

2. RESIDENT INSTRUCTION

a. Teaching

University of Georgia (courses taught 1990-present):

ESCI 441, Foundations for Science Teaching

ESCI 442/ESCI 4420, Science in Early Childhood

ESCI 442, Science for Early Childhood Education (Pre-K Program)

ESCI 443, Life Science Curriculum in the Middle School (with D. Jackson)

ESCI 620, Science and the Environment

ESCI 642 (now ESCI 6420), Science for Early Childhood

ESCI 703, Teaching Science to Students with Special Needs

ESCI 704, Teaching Strategies for Middle School and Secondary Science Teachers

ESCI 765, Applied Project in Science Education

ESCI 820, Science Supervision

ESCI 899, Science Education Seminar: Critical/Contemporary Issues in Science Education

ESCI 963, Critical Literature in Science Education

EDEC/EDMS 8010, Action Research in Elementary and Middle School Education

ESCI 5470/7470, Reflections on Science Teaching

ESCI 9730, Research in Science Teacher Education

ESCI 8100, International Science Education

ESCI 7650, Applied Project in Science Education

ESCI/EDUC 7648, Contextual Teaching and Learning in the Schools

ECE 700, Early Childhood Education

EDEC 7010, Current Trends in Early Childhood

ECE 705, Problems of Teaching in Early Childhood (Gwinnett Center)

ECE/EMS 807, Research and Perspectives on Teacher Education

ECE/EEL 963, Critique of Educational Literature in Early Childhood and Elementary Education

EDEC 4040, The Social Context of Early Childhood Education

CIE 605, Innovations in Curriculum, Instruction and Evaluation, West Visayas State University

EDUC 109, Community Integration and Immersion, West Visayas State University

EDUC 106, Introduction to Educational Research, West Visayas State University

BIO 209, Ecology and Field Biology, West Visayas State University - Rotary University
Teacher (2006)

EDU 601, Methods of Qualitative Research, West Visayas State University - Rotary University
Teacher (2006).

EDEC/EDMS 8050, Theory and Research on Teaching

ESCI 6000/9600, Special Problems in Science Education: Inquiry into Eco Justice Issues

EDEC 8010, Research on Teaching

ESCI 8210, Multicultural Science Education Research

ESCI 8310, Ecojustice and Environmental Education

ESCI 4100, Laboratory Teaching Instruction

ESCI 7080 Curriculum in Science Education

ESCI 6990 Research Methods in Science Education

ESCI 8310 Eco Justice and Environmental Education

Florida State University -- courtesy appointment (1991):

ESC 6938, Advanced Doctoral Seminar in Science Education

Clemson University (1989-1990):

ED 634, Integration of Higher Order Analytical and Problem Solving Skills into the Science and Mathematics Curriculum

ED 633, Health Education for Middle School Teachers

ED 632, Strategies and Techniques for Science Teachers, Grades 1-6

ED 485, Methods and Materials of Elementary Science and Math

b. Supervision

Student Teachers (The University of Georgia):

ECE 546 Student Teaching in Early Childhood Education

ESC 546 Student Teaching in Science Education

Student Teachers (Florida State University):

EDC 6675, Supervision of Secondary Student Teachers

Students Teachers (Clemson University):

ED 481, Directed Teaching: Supervision of Elementary Teachers

Piedmont College (2011)

EDU 636, Science Methods in Education

c. Advising

Graduate Students:

Served or serve as advisor for students in science education:

BS. Ed. students in science education

M.Ed. Students in science education

Specialist students in science education

Ph.D. students in science education

MAT students in science education.

Served as advisor for students in Elementary and Social Studies Education:
M.Ed. students in Early Childhood Education
MAT students in Early Childhood Education
Ph.D. students in Early Childhood Education
Ph.D. students in Middle School Education

Undergraduate Students:

Mentor for 6 undergraduates in the Honor's Program
BS. Ed. undergraduate students in science education

3. SCHOLARLY ACTIVITIES

a. Publications

An asterisk identifies a publication that has gone through stringent editorial review.

Book series:

Co-editor, Environmental Discourses in Science Education, Springer Book series, 2012- (with M. Mueller).

Books authored or co-authored:

Kincheloe, J., Steinberg, S., & Tippins, D. (1999). *The stigma of genius: Einstein, consciousness, and education* (revised 2nd ed.). New York, NY: Peter Lang Publishing.

*Kincheloe, J., Steinberg, S., & Tippins, D. (1992). *The stigma of genius: Einstein and beyond modern education*. Durango, CO: Hollowbrook Communications, Inc.

*Tippins, D. (1993). *Earth science experiments* (video series and teachers' guide), American Guidance Service Video Series.

Books edited or coedited:

Mueller, M. & Tippins, D. (2014). *Ecojustice, citizen science and youth activism situated tensions for science education*. Dordrecht, the Netherlands: Springer.

Mueller, M. P., Tippins, D. & Stewart, A. (Eds.), (2013). *Assessing schools for generation R(responsibility): A guide to legislation and school policy in science education*. Contemporary Trends and Issues in Science Education Series.

- Tippins, D., Mueller, M., van Eijck, M. & Adams, J. (Eds.), (2010). *Cultural studies and environmentalism: The confluence of ecojustice, place-based (science) education and indigenous knowledge systems*. Dordrecht, The Netherlands: Springer.
- Tippins, D., Thomson, N., Butler, M. & Lawrence, M. (Eds.), (2006). *Environmental dilemmas in Georgia: Considering alternative solutions* (National Science Foundation). Athens, Georgia: Partnership for Reform in Mathematics and Science Education.
- Koballa, T. & Tippins, D. (2004). *Cases in middle and secondary science education: The promises and dilemmas* (revised 2nd edition). Columbus, OH: Prentice-Hall/Merrill Publishing, Inc.
- Barcenal, T. L., Bilbao, P. P., Morano, L. N., Nichols, S. E., & Tippins, D. J. (2002). *Just in case: Encounters in elementary science and mathematics teaching and learning*. Iloilo City: West Visayas State University Press.
- Tippins, D., Koballa, T. & Payne, B. (2002). *Learning from cases: Unraveling the complexities of elementary science teaching*. Needham Heights, MA: Allyn & Bacon Publishing, Inc.
- Koballa, T., & Tippins, D. (2000). *Cases in middle and secondary science education: The promises and dilemmas*. Columbus, OH: Prentice-Hall/Merrill Publishing, Inc.

Chapters in books:

- Tippins, D., Britton, S., Pate, E., & Ammons, J. (accepted for publication). Repositioning sustainability in the education of teachers: An ecojustice perspective. In R. Hajerik & S. Stratton. *Educating Science Teachers for Sustainability*.
- Mueller, M. P., Tippins, D. J., & Bryan, L. A. (2014). The possibilities of today, the promises of tomorrow: New directions in citizen science. In M. Bentley (Ed). *Developing environmental awareness in children: A nature studies guide for parents and educators* (pp. 10-33). Bethany, OK: Wood, Barnes Publishing.
- Lucaj, P., Mueller, M. & Tippins, D. (2014). A life in relation to the broader stroke of education. In M. Mueller & D. Tippins (Eds.). *EcoJustice, citizen science and youth activism: Situated tensions for science education*. Dordrecht, the Netherlands: Springer.
- Tippins, D., Neuhart-Pritchett, S. & Mitchell, D. (2014). Connecting young children with the natural world: Past, present and future landscapes. In. K. C. Trundle & M. Sackes (Eds.). *Research in Early Childhood Science Education*, Springer: The Netherlands.

- Sampungavon, A., Tippins, D. & Bryan, L. (2014). A model-based inquiry framework to explore early childhood students' science learning. In K.C. Trundle and M. Sackes (Eds.). *Research in Early Childhood Science Education*, Springer: The Netherlands.
- Britton, Stacey, A. & Tippins, D. (2014 in press). Preparing science teachers through citizen science: Embodied responsibility. In M. Mueller & D. Tippins (Ed.) *Ecojustice, citizen science and youth activism*. Dordrecht, the Netherlands: Springer.
- Tippins, D, DuBois, S. & Rudolph, H. (2013). Culturally relevant science in the third space. *Encyclopedia of Science Education*, Springer: The Netherlands.
- Tippins, D. & Britton, S. (2013). EcoJustice philosophy in science education. *Encyclopedia of Science Education*, Springer: The Netherlands
- Tippins, D., Mueller, M. & Stewart, A. (2013). Reclaiming community as we rethink assessment. In M. Mueller, D. Tippins & A. Stewart (Eds.), *Assessing schools for generation R (responsibility): A guide to legislation and school policy in science education*, Contemporary Trends and Issues in Science Series.
- Thomson, N. & Tippins, D. (2013). Envisioning science teacher preparation for diversity in 21st century classrooms: Some tensions. In N. Mansour (Ed.), *Science Education for Diversity in a Knowledge Society* (pp. 231-249). Dordrecht, the Netherlands: Springer.
- Jensen, L., Orey, M., Franco, G.M., Tippins, D.J., Grey, M. (2012). Game works camp: Using gaming to foster learning by design. In M. Mueller, D. Tippins & A. Stewart (Eds.) *Assessing schools for generation R (responsibility): A guide to legislation and school policy in science education*.
- Mueller, M. & Tippins, D. (2011). Rethinking an education from nowhere: Citizen science, ecojustice, and science education. In B. Fraser, C. McRobbie, & K. Tobin (Eds.). *Second International Handbook of Research in Science Education*. (pp. 865-882). Dordrecht, the Netherlands: Springer.
- Mueller, M. P. & Tippins, D. J. (2010). Ecodemocracy and school science: How projects of confluence guide the development of the ecosociocultural. In D. Tippins, M. Mueller, M. van Eijck & J. D. Adams (Eds.), *Cultural studies and environmentalism: The confluence of ecojustice, place-based (science) education, and indigenous knowledge systems* (pp. 461-480). New York: Springer.
- Tippins, D. J. & Mueller, M. P. (2010). Questions for Copenhagen: Ecojustice perspectives and summary. In D. Tippins, M. Mueller, M. van Eijck & J. D. Adams (Eds.) *Cultural studies and environmentalism: The confluence of ecojustice, place-based science education, and indigenous knowledge systems* (pp.181-184). New York: Springer.

- Mueller, M. P. & Tippins, D. J. (2010). Nurturing morally defensible environmentalism. In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.), *Cultural Studies and environmentalism: The confluence of ecojustice place-based (science) education and indigenous knowledge systems* (pp. 7-10). New York: Springer.
- Tippins, D.J. & Mueller, M. P. (2010). The need for confluence: Why a “river” runs through it. In D. Tippins, M. Mueller, M. van Eijck & J.D. Adams (Eds.) *Cultural studies and environmentalism: The confluence of ecojustice, place-based (science) education, and indigenous knowledge of systems* (pp. 1-4). New York: Springer.
- Mueller, M. P. & Tippins, D. J. (2010). Prologue. In D. Tippins, M. Mueller, M. van Eijck & J. D. Adams (Eds.) *Cultural studies and environmentalism: The confluence of ecojustice, place-based (science) education and indigenous knowledge systems* (pp. xxiii-xxvii). New York: Springer.
- Tippins, D., Brittan, S. & George, J. (2010). Considering the consequences of hybridity: Protecting traditional ecological knowledge from predation. In D. Tippins, M. Mueller, M. Van Eijck & J. D. Adams (Eds.), *Cultural studies and environmentalism: The confluence of ecojustice, place-based science education, and indigenous knowledge systems* (pp. 349-357). New York: Springer.
- Tippins, D. & Handa, V.C. (2009). Community immersion as a context for relevant science teachers preparation in the Philippines: An ecojustice perspective: In Yu Jin Lee (Ed.), *World of Science Education: Handbook of Research in Asia* (pp. 415-426). Rotterdam: Sense Publishers.
- Roadrangka, V., Yutakom, N. & Tippins, D. (2009). Thai science educators’ visions of reform: Personal journeys. In Yu Jin Lee (Ed.), *World of Science: Handbook of Research in Asia* (pp. 103-119). Rotterdam: Sense Publishers.
- Tippins, D.J., Nichols, S.E. & Aikenhead, G.S. (2008). Cultural relevance in 21st Century science classrooms. In J. Wallace and W. Loudon (Eds.). *Dilemmas of science teaching: Perspectives on problems of practice* (pp. 102-108). (Chinese translation). London: Falmer Press.
- Tippins, D., & Mueller, M. (2009). As if local people and places mattered: A relational ecological pragmatist framework to guide projects of rural science education as if local people and places matter. In K. Tobin & M. Roth (Eds.). *World of Science Education: North America*. (pp. 529-542). Rotterdam: Sense Publishers.
- Giles, N., Leach, P., McGinnis, J. R. & Tippins, D. J. (2008). The crash course: Managing inquiry. In J. Wallace and W. Loudon (Eds.). *Dilemmas of science teaching: Perspectives on problems of practice*. (Chinese translation). London: Falmer Press.

- Nichols, S. & Tippins, D. (2006). Biomythography in teacher education. In W. M. Roth (Ed.), *Auto/biography and Auto/ethnography: Praxis of Research Method* (pp. 261–277). Rotterdam: Sense Publishers.
- Nichols, S., Tippins, D., Morano, L., Bilbao, P. & Barcenal, T. (2006). Creating community-based science education research: Narratives from a Filipino Barangay. In G. Spindler (Ed.), *Innovation in Educational Ethnography: Theory, Methods & Results* (pp. 345-377). New York: Lawrence Erlbaum.
- Tippins, D. & Ritchie, S. (2005). Culturally relevant pedagogy in science education. In K. Tobin (Ed.), *Teaching and learning science: A handbook.* (pp. 277-283) New York: Praeger Publishers, Greenwood Publishing Co.
- Tippins, D. & Bhukhanwala, F. (2005). Theatre of the oppressed pedagogy: A tool for fostering critically reflective science teachers. In K. Tobin (Ed.), *Teaching and learning science: A Handbook.* (pp. 239-243). New York: Praeger Publishers, Greenwood Publishing Company.
- Bryan, L., & Tippins, D. (2005). Employing case-based pedagogy within a reflective orientation to elementary science teacher preparation. In K. Appleton (Ed.), *Elementary science teacher education: International perspectives on contemporary issues and practice* (pp. 299-315). Dordrecht, The Netherlands: Kluwer.
- Bilbao, P., Morano, L., Aranador, L., Nichols, S. & Tippins, D. (2004). Building a community of researchers through collaboration: The WVSU/UGA experience. In a Bernardo M. Munouz and M. Valencia (Eds.), *Research and higher education development: Asia-Pacific perspectives* (pp. 156-167). Manila: Lasallian Institute for Development and Educational Research. Manila, Philippines.
- Silva, T., Tippins, D. & Nichols, S. (2004). Where have all the ipil-ipil trees gone? Science education through the politics of poverty. In Neuhardt-Pritchett, S., Payne, B. D., & Reiff, J. C., (Eds.). *Diverse perspectives on elementary education: A casebook for critically analyzing issues of diversity* (pp. 41-46). Needham Heights, MA: Allyn Bacon.
- Nichols, S. & Tippins, D. (2003). Community-based science education leadership enacted in a Filipino barangay. In J. Wallace & J. Loughgran (Eds.), *Leadership and professional development in science education: New possibilities for enhancing teacher learning* (pp. 81-96). New York and London: Falmer.
- Giles, N. Leach, P., McGinnis, J. R. & Tippins, D. J. (2002). The crash course: Managing inquiry. In J. Wallace and W. Loudon (Eds.). *Dilemmas of science teaching: Perspectives on problems of practice* (pp. 59-71). London: Falmer Press.
- Bilbao, P., Morano, L., Barcenal, T., Castellano, M. A., Nichols, S. & Tippins, D. J. (2002). Changing traditions of science teacher professional development in the Philippines. In P. A.

- Fraser (Ed.), *Professional development of science teachers: Local insights with lessons for the global community* (pp. 70-87). New York: Taylor & Francis, Inc.
- Tippins, D., Nichols, S., Atwater, M. M. & Aikenhead, G. S. (2002). Culture and ethnicity: Igloos and icebergs. In J. Wallace & W. Louden (Eds.) *Dilemmas in science teaching: Perspectives on problems of practice* (pp. 86-97). London: Falmer Press.
- Koballa, T. R., & Tippins, D. J. (2001). Portraits of professional development models in science teacher education: A synthesis of perspectives and issues. In D. Lavoie & W. M. Roth (Eds.). *Models for science teacher preparation: Bridging the gap between research and practice* (pp. 70-87). Dordrecht, The Netherlands: Kluwer.
- Tippins, D., & Nichols, S. (2001). Leadership in a multicultural world: Transforming today's science classrooms. In P. Bowers & J. Rhoton (Eds.), *Professional development and the diverse learner*, (pp. 99-111). Arlington, VA: National Science Education Leadership Association/National Science Teachers Association.
- *Tippins, D., Nichols, S., & Bryan, L. (2000). International science educators' perceptions of scientific literacy: Implications for science teacher education. In S. Abell (Ed.), *Science teacher education: An international perspective, Yearbook of the Association of Educators of Teachers of Science*, (pp. 193-221) Dordrecht, The Netherlands: Kluwer.
- *Dana, T., & Tippins, D. J. (1997). Portfolios, reflection, and educating prospective teachers of science. In K. Tobin & B. Fraser (Eds.) *The International Handbook of Science Education* (pp. 719-732), Dordrecht, The Netherlands: Kluwer.
- Veal, W. & Tippins, D. J. (1996). Action research: Creating a context for science teaching and learning. In J. Rhoton and P. Bowers (Eds.). *Issues in Science Education. NSSA/NSTA fifth source book for science leaders* (pp. 81-87). Arlington, VA: National Science Teachers Association.
- *Nichols, S., Tippins, D., & Crockett, D. (1996). Educational environments for the teaching and learning of science. In D. McIntyre and D. Byrd (Eds.). *Preparing tomorrow's teachers: The field experience*. (pp. 243-270). *Teacher Education Yearbook IV*: New York: Harcourt, Brace & Jovanovich.
- Veal, W. R., Jackson, D. F., Tippins, D. J., Crockett, D., & Finnegan, B. (1995). Alternative And supplemental definitions of "technology": Science educators' answers to "So what?" In F. Finley, (Ed.), *Proceedings of the Third International Conference on the History and Philosophy of Science and Science Teaching* (pp. 1238- 1248). Minneapolis: College of Education, University of Minnesota.
- Roychoudhury, A., Tippins, D. J., & Scantlebury, K. (1995). *Science is all around: A gender-inclusive science teaching*. In D. R. Baker & K. Scantlebury (Eds.), *Science "Coeducation": Viewpoints from gender, race and ethnic perspectives* (pp. 109-122).

- NARST Monograph #7. (Invited).
- *Tobin, K., & Tippins, D., & Hook, K. (1995). Students' beliefs about epistemology, science, and classroom learning: A question of fit. In S. Glynn & R. Duit (Eds.), *Learning science in the schools: Research reforming practice*. (pp. 85-109). Mahwah, NJ: Erlbaum.
- *Gallard, A. J., & Tippins, D. J. (1994). Language diversity and science learning: The need for a critical system of meaning. In B. McLeod (Ed.), *Language and learning: Educating linguistically diverse students* (pp. 269-288). New York: State University of New York Press.
- *Tobin, K., Tippins, D., & Gallard, A. (1994). Research on instructional strategies for science teaching. In D. Gable (Ed.), *Handbook of research on science teaching and learning* (pp. 45-93). New York: Macmillan.
- *Kagan, D., & Tippins, D. J. (1993). Classroom cases as gauges of professional growth. *Teacher Education Yearbook I: Diversity and Teaching* (pp. 98-110). New York: Harcourt, Brace & Jovanovich.
- *Tippins, D., Kagan, D., & Jackson, D. (1993). How teachers translate learning theory into instruction: A study of group problem solving by prospective secondary science teachers. In P. A. Rubba, L. M. Campbell, & T. M. Dana (Eds.) *Excellence in educating teachers of science: The 1993 yearbook of the Association of Educators of Teachers of Science* (pp. 55-68). Columbus: ERIC Clearinghouse for Science, Mathematics, and Environmental Education.
- *Tobin, K. & Tippins, D. (1993). Constructivism as a referent for teaching and learning. In K. Tobin (Ed.), *The practice of constructivism in science and mathematics education* (pp. 3-22). Washington, DC: American Association for the Advancement of Science.
- Tippins, D. J., Tobin, K., & Hook, K. (1992). Ethical decisions at the heart of science teaching: Reframing assessment dilemmas from a constructivist perspective. In S. Hills (Ed.), *Proceedings of the Second International Conference on the History and Philosophy of Science and Science Teaching* (pp. 513-526). Kingston, Ontario, Canada: Queen's University.

Monographs: None

Journal articles:

- Britton, S., & Tippins, D. (2014). Practice to theory: Situating science teachers preparation within a context of ecojustice philosophy. *Research in Science Education*.
- Britton, S., Tippins, D., Kayumove, S., Francis, M., & Ammons, J. (2014). Jazzing up the teaching of sound through science and literacy connections. *Science Activities*.
- Larroder, A.C., Tippins, D., Linaugo, J. D. & Larroder, C. (In press). A study of Panay Bukidnons (of Central Philippines) view of the COSMOS. *Asia-Pacific Education Research Journal*.
- Handa, V. & Tippins, D. (2013). Tensions in the third space: Locating relevancy in preservice science teacher education. *International Journal of Science and Mathematics Education*, Springer: The Netherlands. (DOI 10.1007/S10763-012-9364-X)
- Handa, V., Laroder, A.C., Morano, L.N., Tippins, D. & Harper, S.G. (2013). What can the river tell us?: Investigating River quarrying as a case of a socio-scientific reasoning in the Philippines. In T. Grant (Ed.). *The Green Teacher*, 99(4). Niagara Falls, NY: Ontario Media Development Corporation. (Special issue).
- Luther, R., Tippins, D., Bilbao, P., Gelvezon, R. & Tan, A. (2013). The story of mangrove depletion: Using socio scientific cases to promote ocean literacy. *Science Activities*, 50, 9-20.
- Hodges, G., Tippins, D. & Oliver, S. (2013). A study of highly qualified science teachers' career trajectory in the Rural Black Belt Region of Georgia: Examining a link between deprofessionalization and science teachers. *School Science and Mathematics*, 113(6), 263-274).
- Tippins, D. & Jensen, T.L. (2012). Citizen science in digital worlds: The seduction of a temporary escape or lifelong pursuit? *Cultural Studies in Science Education*, 7(4), 851-857.
- Kittleson, J. M & Tippins, D. (2012). Water can be messy, but that's OK: Reflections on preparing elementary teachers to teach science. *Cultural Studies in Science Education*, 7(1), 41-47.
- Handa, V. & Tippins, D. (2011). Cultural Memory banking in preservice science teacher education. *Research in Science Education*. DOI:10.1007/S11165-011-9241-6.
- Mueller, M., Tippins, D. & Bryan, L. (2011). The future of citizen science. *Democracy and Education*, 20(1), 1-11.
- Cajjgal, A., Chamrit, S., Tippins, D., Thomson, N. & Mueller, M. (2011). Beyond the movie

- screen: An Antarctic adventure, *Science Activities*, 48, 71-80.
- Handa, V. & Tippins, D. (2010). Beyond collaboration: A framework for community-based science teacher education. *Asia-Pacific Education Researcher*, 4(2), 18-31.
- Brittan, S., Cajigal, A., Cox, M., Cole, G., Vazquez, M., Cabrera T., Guzman, A. & Tippins, D. (2010). The adventures of the grey whale: An integrated approach to learning about the long migration, *Science Scope*, 27-33.
- Hodges, G., Tippins, D., & Oliver, S. (2009). Using an ecojustice perspective to inform science teacher recruitment and retention in the rural blackbelt region of Georgia. *Journal of Rural Education*, 30(3), 1-6.
- Wilson, R., Hodges, G., Arrington, A., Haddox, A., & Tippins, D. (2009). Going bananas over fruit: Using habits of mind to foster middle school students' nutritional literacies. *Science Scope*, 28-32.
- Wilson, R., Jarrard, A. & Tippins, D. (2009). The gendering of Albert Einstein and Marie Curie in children's biographies: Some tensions. *Cultural Studies in Science Education*. 4(4), 945-959.
- Mueller, M. & Tippins, D. (2009). Van Eijek and Roth's utilitarian science education: Why the recalibration of science and traditional ecological knowledge invokes multiple perspectives to protect science education from being exclusive. *Cultural Studies in Science Education*, 19m 99301997.
- Mahaya, E., Tippins, D., Mueller, M., & Thomson, N. (2009). Infectious disinfection! Exploring global water quality. *Science Activities*, 46(2), 25-33.
- Governor, D., Cetin-Dindar, A., Harper, J., Jenkins, L., Doney, P., Ortiz-Blanco, C. & Tippins, D. (2009). Solar paths: An international and integrated look at sun and seasons. *Science Scope*, 26-35.
- Johnson, A.S., Rezak, A. T., Hodges, G., Lawrence, M., Tippins, D. & Bongkotphet, T. (2008). Textual encounters of three kinds: Engaging in reading through community science night, *The Reading Teacher*, 62(1), 54-63.
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- Handa, V., Tippins, D., Morano, L., Hallar, B., Miller, K. & Bryan, R. (2008). A dialogue of life: Integrating service learning in a community immersion model of pre-service science teacher preparation. *The Journal of College Science Teaching*, 37(6), 14-20.
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- Bryan, R., Larroder, A., Tippins, D., Emaz, M. & Fox, R. (2007). Integrating science and mathematics: Simple machines in the community. *Science and Children*, 45(7), 38-43.
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- Bongkotpheto, T., Tippins, D., Johnson, A., Rezak, A., & Lawrence, M. (2007). Stargazing on a 'Chili' night: A community science celebration. *The Georgia Science Teacher*, 4-7.
- Larroder, A., Tippins, D., Handa, V. & Morano, L. (2007). Rock showdown: Learning science through service with the community. *Science Scope*, 30(7), 32-37.
- Tippins, D., Hammond, L. & Hutchinson, C. (2006). *International teachers negotiating 21st century Science classrooms: A question of hybridized identities and pedagogical imaginaries* (4), 681-692. Springer: The Netherlands.
- Butler, M., Lee, S. & Tippins, D. (2006). Case-based pedagogy as an instructional strategy for understanding diversity: Preservice teachers' perceptions. *Multicultural Education*, 17-33.
- Gangoso, N.G., Espigar, I.M. Barcenal, T.L., Handa, V.C., Montano, H.C., Morano, L.N., Bilbao, P. P. & Tippins, D. J. (2006). *Elementary Science: Some linguistic considerations*. WVSU Journal of Research (pp. 91-107). Iloilo City, West Visayas State University Press.
- Bryan, L. A., & Tippins, D. J. (2005). The Monets, VanGoughs and Renoirs of science

- education: Writing impressionistic tales as a strategy for facilitating prospective teachers' reflection on science experience. *Journal of Science Teacher Education*, 1-13.
- Bilbao, P. P., Morano, L., Barcenal, T. L., Nichols, S. E. & Tippins, D. J. (2003). "Seeds" as multiple resource for an interdisciplinary curriculum in basic education. *Philippine Research Journal of Teacher Education*, January - December, pp. 16-39.
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Bulletins or reports:

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Abstracts edited:

Appiah, N., Atwater, M., Burgess, S., Gardner, C., Guy, M., Kokoski, T., Oliver, S., Pate, P. E., Reeves, J., Tippins, D., & Wiggins, D. (Eds.). (1991). National Association for Research in Science Teaching: Abstracts of presented papers.

Editorial Consultant:

Mueller, M., Tippins, D. & Stewart, A. (Eds.). (In press). *The green teacher: Education for Planet Earth*. (Editors for special issue). Niagara Falls, NY: Ontario Media Development Corporation.

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Book reviews:

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Newsletter editorials:

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Curriculum guide:

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Software review:

Jackson, D., & Tippins, D. (1991). Dance of the planets. *The Science Teacher*, 59(9), 60-62.

Works submitted but not yet accepted:

Jensen, L., Tippins, D. & Grey, M. (submitted). Designing videogames for science learning: Why play games when you can make your own? *Science and Children*.

Cole, G., Tippins, D.J., & Mueller, M. P. (submitted, December, 2010). Preparing college students for scientific citizenry: Integrating socioscientific issues through videoessays in a science teacher preparation course. Submitted to *Journal of College Science Teaching*.

Works in progress:

Tippins, D. & Mueller, M. (in progress). Cultivating ethical consciousness in a new era of hope for EcoJustice and school policy: A Review of the literature in science education.

Johnson, H. S., Kim, J., Park, S. & Tippins, D. (in progress). Always a bridesmaid, never a bride." A Review of Research on Bakhtin in Early Childhood Education Research.

b. Creative Contributions Other Than Publications

Disney Nature, *Tigers of India*. (in progress). Consultant on the development of teachers guide with Animal Kingdom staff.

Disney Nature, *Grizzly Bears Teachers Guide*. (2014). (Consultant on the development of teachers guide with Animal Kingdom staff).

Disney Interactive Student and Parent IPAD APPS: *Ariel, Cars, Cinderella, Fairies and Toy Story*. (2013). (Consultant on the development of IPAD APPS).

Disney Nature, *Wings of Flight*. (2013). (Consultant on the development of teachers' guide with Animal Kingdom staff).

DVD/Curriculum: Childers, M., Ellis, R., Holt, N., Labbo, L., Olive, J., Orey, M. & Tippins, D. (2012). *Plunder: A pirate curriculum* (Charter school DVD and workbook).

Disney Nature *Chimpanzee Teachers Guide*. (2012). (Consultant on the development of this teachers' guide).

Disney Nature, *Finding Nemo 3-D Teachers' Guide*. (2012). (Consultant on the development of this teachers' guide).

Disney *Frankenweenie Family Science Teachers' Guide: Electricity*. (2012). (Consultant on the development of this teachers' guide).

Instrument development:

Tippins, D. J., Tobin, K., & Fraser, B. (1992). *Classroom learning environment survey, teacher, student, and administrator forms*. Instrument developed to assess science learning environments.

Tippins, D. J. (1989). *The science self-efficacy instrument*. Instrument developed for the purpose of assessing domain-specific self-efficacy beliefs.

Videotape:

Tippins, D., & Wieseman, K. (1996). *Clarke county's science odyssey: A new look at science in our elementary schools*. (Video produced as part of outreach project).

Tippins, D. J., & Hook, K. (1992). *Project-centered learning in middle school science*. Tapes illustrating a project-centered learning environment for middle school science.

Public Radio:

Tippins, D. & Nichols, S. (1995). *International perspectives on the role of culture in science teaching and learning*. Invited radio talk for the Australian Broadcasting Corporation (ABC) Morning Program.

c. Grants Received

External:

Title II, Part A, Improving Teacher Quality Program. Garden Earth Naturalists: Investigating Ecology on your Schoolyard. (Co-principal investigators: C. Hoffman, D. Tippins, & A. Shenk), 2014-2015, \$50,613.

STEM Education, Improving Instruction and Enhancing Success in STEM Disciplines. Pre-service teachers' interdisciplinary understandings of science in the context of design technology. (Co-principal investigators: D. Zhang, Y King, J. Shen, & D. Tippins), 2013-2014, \$5,900.

National Science Foundation, *Integrating Learning by Designing Open-Educational Resources for STEAM learning*. (co-principal investigators: M. Orey, D. Tippins), (pending).

Title II, Part A, Improving Teacher Quality Program, *Garden Earth Naturalists* (co-principal investigators: D. Tippins, M. Williams, C. Hoffman and A. Shenk), 2013-2014, \$51,000.

Alumni Engagement Innovation Fund (AEIF). *Fostering responsible citizenship in science education: A social-ecological justice approach*, U.S. Department of State. (Co-principal investigators: V. Handa & D. Tippins). 2012-2013, \$25,000.

STEM Education, Improving Instruction and Enhancing Success in STEM disciplines. "*An Analysis of Pre-service Teachers Interdisciplinary Understanding of Design Technology in Physics*, (co-principal investigators: D. Tippins, J. Shen) 2012-2013, \$6,682.

STEM Education, Improving Instruction and Enhancing Success in STEM disciplines. *A case study of pre-service teachers' use of argumentation in learning to teach science: Understanding climate's influence on evolution* (co-principal investigator: N. Thomson & D. Tippins) 2011-2012, \$6,800.

Title II, Part A, Improving Teacher Quality Grants Programs. *Growing Up Wild on Garden Earth* (co-principal investigators: D. Tippins, A. Shenk, C. Hoffman), 2011, \$65,000.

STEM Education, Improving Instruction and Enhancing Success in STEM disciplines. *A case study of pre-service teachers' use of argumentation in learning to teach science: Understanding climate's influence on evolution* (co-principal investigators: N. Thomson, D. Tippins, R. Bobe, A. Scott), 2010-2011, \$8,000.

Title II, Part A, Improving Teacher Quality Grants Program, Department of Education, *Growing Up Wild on Garden Earth* (Co-principal investigators: D. Tippins, A. Shenk, C. Hoffman), 2010, \$ 61,400.

STEM Education, Improving Instruction and Enhancing Student Success in Stem Disciplines. Department of Education, Developing reflection through the “silver screen”. *Exploring beginning teachers’ use of videoessays to enhance their understanding of socioscientific issues* (co-principal investigators: M. Mueller, D. Tippins & J. Pickering), 2009-2010, \$8,000.

Title II, Part A, Improving Teacher Quality Grants Program, Department of Education, *Creating meaningful contexts for revitalizing rural science and mathematics teaching and learning (Year 4): Pathways to success:* (co-principal investigators: D. Tippins, A. Parks), 2009-2010, \$56,000.

STEM Education, Improving Instruction and Enhancing Student Success in STEM Disciplines, *Ethical decision-making in the education of future teachers: Exploring the nature of science through popular culture videocases* (co-principal investigators: D. Tippins, M. Mueller & A. Cajigal, 2008-2009, \$8,000).

STEM Education, Improving Instruction and Enhancing Student Success in Stem Disciplines, *Georgia Citizen Science Education Network*, (M. Mueller & D. Tippins), 2008-2009, \$2,000.

Title II, Part A, Improving Teacher Quality Grants Program, Department of Education, *Creating meaningful contexts for revitalizing rural science and mathematics teaching and learning.* (Co-principal investigators: D. Tippins and A. Parks), 2008-2009, \$51,974.

Title II, Part A, Improving Teacher Quality Grants Program, Department of Education, *Advancing essential literacies in environmental education: Dilemmas in Georgia and the Natural Inquirer* (Project D1GN). (Co-principal investigators: D. Tippins, N. Thomson, A. Johnson and B. McDonald), 2007-2008, \$41,069.

Title II, Part A, Improving Teacher Quality Grants Program, Department of Education, *Creating meaningful contexts for science and literacy learning (Year 2): Enhancing curriculum by building bridges to the community.* (Co-principal investigators: A. Johnson & D. Tippins), 2007-2008, \$43,676.

- Title II, Park A, Improving Teacher Quality Grants Program, Department of Education. *Creating meaningful contexts for science and literacy learning*, (Co-principal investigators: D. Tippins & A. Johnson), 2006-2008, \$37,573.
- National Science Foundation, Partnership for Reform in Science and mathematics (PRISM mini grant), *Developing environmental education decision-making skills for secondary science (Project Deeds)*. (Co-principal investigators: D. Tippins & N. Thomson), 2005-2006, \$3,900.
- National Science Foundation, Partnership for Reform in Science and Mathematics (PRISM, mini-grant), *Chemistry for elementary teachers: Course development*. (Co-principal investigators: N. Thomson, C. Kutal), 2005-2006, \$3000.00.
- National Science Foundation Partnership for Reform in Science and Mathematics (PRISM). *The journey from powerful ideas to classroom practice: A PRISM/ASTE collaborative conference*. (Co-principal investigator: D. Tippins & T. Koballa), 2005-2006, \$4,000.
- National Science Foundation, Partnership for Reform in Science and Mathematics (PRISM-minigrant), *Scaffolding science teachers' learning through cases: A study of reciprocal mentoring*, (Co-principal investigators: D. Tippins & N. Thomson), 2004-2005, \$2,600.
- G-Step Professional Preparation of Educators Research Grant, *In the spirit of inquiry: A collaborative study of pre-kindergarten teachers' planning, implementing and assessing inquiry-based science instruction* (Co-principal investigators: S. Neuharth-Pritchett & K. Lee), 2003-2004, \$3,400.
- American Association for the Advancement of Science, *Women's International Science Collaboration Program*, 2003-2004, \$3,980.
- G-Step Professional Preparation of Educators Research Grant, *The role of reflection in creating a dialogical model of teacher preparation: A consideration of National Board Certification* (Co-principal investigators: L. Bryan, J. Diaz, T. Hague, & K Davila), 2003-2004, \$2,500.
- Bureau of Educational and Cultural Affairs, U.S. Department of State, *Toward a transformative vision of science education for the 21st century: The genesis of a cross-cultural science education inquiry community across West Visayas State University, Western Mindanao State University, and the University of Georgia*, (Co-principal investigators: D. Tippins & L. Morano). 2003-2005, \$109,000.
- Improving Teacher Quality Grants Program, Department of Education, *Building our future through science inquiry with pre-kindergarten teachers*. (Co-principal investigators; D. Tippins, S. Neuharth-Pritchett, K. Lee). 2003-2004, \$37,585.

- G-Step Professional Preparation of Educators Research Grant, *Learning to teach contextually: What really happens?* (with C. Knight-Brown & K. Davila), 2002-2003, \$3,150.
- G-Step Professional Preparation of Educators Research Grant, *Preparing elementary science teachers for diversity: A study of student teaching as case-based professional development*, (with M. Butler & Seungyoun Lee), 2002-2003, \$2,400.
- Spencer Foundation Small Research Grants Program, *Generating community situated science education: A study of case-based science teacher professional development and reform*. (Co-principal investigators: S. Nichols, D. Tippins, P. Bilbao, L. Morano, & T. L. Barcenal.), 2001-2002, \$35,000.
- New England Biolab Foundation, *The center for young children and the environment*. (Co-principal investigators: D. Tippins, S. Nichols, P. Bilbao). 2001-2002, \$9,000.
- Department of Education, P-16 Initiative. *Developing a pilot Pre-K - 2nd induction and mentoring program: A portfolio approach to learning in the schools* (PALS). (Co-principal investigators: D. Tippins, J. Attiles, C. Hamilton, S. Neuhardt-Pritchett). 2001, \$4,500.
- Department of Education, P-16 Initiative, *Beyond the classroom: A partnership with the Sandy Creek Environmental Science and Technology Center*, (Co-principal investigators: D. Tippins, L. Bryan). 2001, \$3,250.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction. *Project SMILES: Science with mathematics integration and literacy learning for P-16 elementary school*, (Co-principal investigators: D. Tippins, R. Stanulis, D. White), 2000-2001, \$33,043.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction. *Beyond the classroom (phase II): Expanding the borders: Aquatic ecology and wetlands program development for middle school*. (Co-principal investigators: D. Tippins, L. Bryan). 2000-2001, \$23,176.
- University System of Georgia (USG) Teaching and Learning Grants Program, *Internationalizing the curriculum: A cross-cultural case-based approach*. (Co-principal investigators: D. Tippins, T. Koballa, J. P. Riley, III). 1999-2000, \$4,450.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Beyond the classroom: Community-based environmental education at the ENSAT Center*. (Co-principal investigators: D. Tippins, M. Wharton) 1999-2000, \$28,150.

- United States Department of Education, *Contextual teaching and learning: Pre-service teacher education*, (Participant: evaluation subgroups, seminar instructor, internship facilitator). 1998-1999, \$860,000.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Connecting museums with elementary teachers of science*. (Co-principal investigators: D. Tippins, A. Edwards). 1997, \$13,324.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Supporting "Sci-Lab" teachers as leaders*, (Co-principal investigators: D. Tippins, S. Gibney-Sherman, D. Smith). 1996, \$15,398.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Science teacher learning in the elementary school*, (Co-principal investigators: D. Tippins, S. Gibney-Sherman, K. Wieseman, D. Smith). 1996, \$20,954.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *The Physical world in balance: Using the outdoor laboratory to enhance science learning*, (Co-principal Investigators: D. Tippins, K. Rojek, W. Veal). 1996, \$18,781.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Life in balance--A focus on life science concepts and environmental literacy*, (Co-principal investigators: D. Tippins, W. Veal, K. Rojek). 1995, \$18,500.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *The earth in balance-A focus on earth science concepts and environmental literacy*, (Co-principal investigators: D. Tippins, K. Rojek, D. Crockett). 1994, \$22,744.
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Alternative assessment of science learning*, 1994, \$9,535. (Co-principal investigators: D. Tippins, D. Crockett).
- United States Department of Education, Eisenhower Program for Improving Science and Mathematics Instruction, *Extension to higher and lower technology: A project-centered, technology-rich, environmentally-oriented project for middle grades science*, 1993, \$18,817. (Co-principal investigators: D. Jackson, D. Tippins).
- United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *A project-centered, technology-rich, environmentally-oriented project or middle grades science*, 1992, \$29,980. (Co-principal investigators: D. Tippins, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Microcomputer integration for student teaching in science*, 1991, \$23,024. (Co-principal investigators: P. Simmons, D. Tippins, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Georgia science, technology, and environmental problem solving update project: Curriculum development component*, 1991, \$12,590. (Co-principal investigators: D. Tippins, P. Simmons, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Georgia science, technology, and environmental problem solving update project*, 1991, \$20,385. (Co-principal investigators: P. Simmons, D. Tippins, D. Jackson).

United States Department of Education, Eisenhower Program for Improving Mathematics and Science Instruction, *Georgia science, technology, and environmental problem solving update project: Sustained contact*, 1991, \$18,006. (Co-principal investigators: D. Jackson, D. Tippins, P. Simmons).

South Carolina Department of Education Block Section Grant, EIA Competitive Teacher Grant Program, 1989, \$2,000. (Co-principal investigators: D. Tippins, M. Terry).

Internal:

Office of the Provost, University of Georgia, Venture Travel Fund, 2013, \$998.

Office of Sustainability, *Sustainability across the Curriculum*, Faculty Development Grant, 2013, \$500.

Office of the Provost, University of Georgia, Faculty Research Grant, 2013, \$5,000.

Office of the Provost, University of Georgia, Faculty Research Grant, 2011, \$5,000.

Office of International Education, *A cross cultural dialogue on the environment, food equity and sustainable science education: A case-based approach to internationalizing science education curricula*, Curriculum Internationalization Grants Program, (Co-principal investigators: D. Tippins and M. Mueller), 2010-2011, \$3,500.

Office of Service-Learning Mini-Grants Program, Science in the Spirit of Service: The Traveling “Sci-Pack” Project, 2010-2011, \$496.

Provost’s Travel Fund, 2010, \$694.

President's Venture Fund Travel Fund, 2009, \$1,227.18.

President's Venture Travel Fund, 2008, \$1,778.

Scholarship of Engagement Grant (SEGUE), *A heart full of science: Building community health nutrition practices*, (Co-principal investigators: D. Tippins & A. Johnson) 2007, \$4,600.

The University of Georgia, International Scholarship of engagement (SEGUE) Grant, *Preparing the Next Generation of Science Leaders for Thailand*, 2007-2008, \$5000 (Co-principal investigators: D. Tippins and J. Kittleson).

The University of Georgia, *African Studies Faculty Development Award*, Integrating African Studies into the secondary science education curriculum; A case study of water quality and recent advances in solar pasteurization in Kenya, 2006, \$3,000 (co-principal investigators: N. Thomson, M. Butler, & J. Inyega).

The University of Georgia, Foreign Travel Assistance Award, 2005, \$1,180.

The University of Georgia, *Faculty Grant Development Program*, Beyond culturally relevant pedagogy: Memory banking as an anthropological "tool" for creating a community-based science education, 2005, \$5,000.

The University of Georgia, *Foreign Travel Assistance Award*, 2004, \$750.

The University of Georgia, *Foreign Travel Assistance Award*, 2001, \$1,250.

The University of Georgia, *International Development Education Awards Program (IDEAS)*, 2001, \$2,500 (with T. Koballa).

The University of Georgia, *International Academic Program Development Grant*, 2000, \$450.

The University of Georgia, Office of Instructional Support and Development, Instructional Improvement grant, *Science beyond the classroom walls: A partnership with the Sandy Creek ENSAT Center*, 2000-2001, \$2,000 (with L. Bryan).

The University of Georgia, College of Education, *Academic Community Learning Facilitator Grant*, 2000, \$6,390.

The University of Georgia, College of Education, *Technology mini-grant*, 1999, \$1,500.

- The University of Georgia, Foreign Travel Assistance Award, *Internationalizing the science curriculum*, 1999, \$1,680.
- The University of Georgia, College of Education, *Academic Community Learning Grant*, 1999, \$6,315 (11.1).
- Challenges and reforms in Philippine and U.S. science education for the 21st century*, International Academic Development Grant, 1998, \$1,640. (with J. Riley & M. Padilla).
- The University of Georgia College of Education Program Development Grant, *Elementary science reform in CCSD schools: New challenges*, 1998, \$8,400.
- The University of Georgia, College of Education Outreach Program, *The COMETS Project*, 1998, \$5,000.
- The University of Georgia, Boyd Graduate Studies Research Center, *Foreign Travel Assistance award*, 1997, \$810.
- The University of Georgia, College of Education P-16/Co-Reform Grant, *Science-lab leaders: Sustaining the vision*, 1997-1998, \$1,815 (with L. Bryan & S. Gibney-Sherman).
- The University of Georgia, College of Education Faculty Collaboration Grant, *Creating community connections: The development of an elementary science website*, 1997-1998, \$2,000 (with L. Bryan)
- The University of Georgia, College of Education Program Development Grant, *Supporting Sci-Lab leaders in Clarke County*, 1997, \$8,400.
- The University of Georgia, Office of Instructional Development grant, *Connecting teachers with technology: A catalyst for change in elementary science*, 1997, \$2,820.
- The University of Georgia, College of Education Outreach Program, *Supporting "Sci-Lab" teacher leaders in Clarke County*, 1997, \$5,000.
- The University of Georgia, College of Education, Outreach Program, *Project 2001: A school/community odyssey*, 1996. \$4,700.
- The University of Georgia, College of Education, Program Development Grant, *Science inquiry through outdoor learning environments*, 1996, \$6,600.
- The University of Georgia, Boyd Graduate Studies Research Center, *Foreign Travel Assistance award*, 1995, \$2,935.
- The University of Georgia, College of Education, Program Development Grant, *Science*

- curriculum renewal outreach project*, 1995. \$8,263 (with J. Riley and T. Koballa).
- The University of Georgia, College of Education, Multicultural Education Initiative Grant, *Reflections in the mirror: Critical examinations of diversity within the department of science education*, 1995, \$1,000. (with M. Atwater, T. Koballa, K. Wieseman and C. Lane).
- The University of Georgia, College of Education, Doctoral Program Development Grant, 1994-1995, \$8,263. (with T. Koballa, S. Oliver, D. Butts, and J. Riley).
- The University of Georgia, College of Education, Doctoral Program Development Grant, 1993-1994, \$7,868. (with T. Koballa and S. Oliver)
- The University of Georgia, Humanities Center Travel/Scholarship Award, *Ethical conflicts in science teaching and learning: The dilemmas of practice*, 1992, \$1,027. (Principal investigator).
- The University of Georgia Office of Instructional Development grant, *Culturally relevant science*, 1991, \$1,000. (Principal investigator).
- Texas A & M University Center for Teaching Excellence Grant, *Concept mapping in teaching planning*, 1988, \$300. (Co-principal investigator with P. E. Pate).
- Texas A & M University Office of Graduate Studies, Graduate Studies dissertation mini-grant, 1988, \$500.

College of Education Summer Research Support:

- The University of Georgia, College of Education, Summer Faculty Research Grant, *Enhancing the capacity of science education programs to address diversity issues*, 1995, \$5,000.
- The University of Georgia, College of Education, Summer Faculty Research Grant, *Ethical dilemmas in science and mathematics teaching*, 1993, \$1,800 (with B. D'Ambrosio).
- The University of Georgia, College of Education, Summer Faculty Research Grant, *Science, technology, and society for secondary teachers*, 1991, \$1,630 (Co-principal investigator with D. Jackson and P. Simmons).

Other:

- Region VII Educational Service Center, *Teaching science with art*, 1986, \$700. (with M. Vivian)

d. **Recognitions and Outstanding Achievements**

Lilly Senior Teaching Fellow, University of Georgia, 2013-2014.

Writing Intensive Alumni Program, University of Georgia, 2013.

Distinguished Research Mentor Award, College of Education, University of Georgia, 2012-2013.

The Deborah J. Tippins Outstanding Mentor in Science Education Award, established by the Executive Board of the Southeastern Association of Science Teacher Educators (to be awarded annually). Established October, 2011.

Outstanding Mentor in Science Education Award, Southeastern Association of Science Teacher Educators, 2011.

Innovation in Teaching and Technology, Faculty Academy, University of Georgia, 2011.

Outstanding Science Teacher Educator of the Year Award, International Association of Science Teacher Education, 2009.

Appointed to the Board of Directors, **Director of International Education**, Association of Science Teacher Educators, 2008-2011, (for a second 3-year term).

University of Georgia, Inaugural Cohort, *Writing Fellows Program*, 2007-2008.

Rotary University Teaching Fellowship Award, 2006-2007.

The John Shrum Award for Excellence in the Education of Science Teachers, 2005-2006.

University of Georgia, *Institute for Behavioral Research (IBR) Mentor Program*, 2004-2006.

University of Georgia, *Faculty mentor, Undergraduate Honors Mentoring Program*, 2003-2004.

University of Georgia, *Teaching Academy*, Athens, Georgia, 2002/2003.

University of Georgia, *Phi Beta Delta Honor Society for International Scholars*, Athens, Georgia, 2001.

West Visayas State University, *Fulbright Scholar Award*, Iloilo, Philippines, 2001-2002.

University of Georgia, College of Education, *Faculty Fellow Award*, Athens, Georgia, 1999-2000.

University of Georgia, College of Education, *D. Keith Osborn Sr. Faculty Senate Award for Teaching Excellence*, Athens, Georgia, 1999.

President, Southeastern Association of Educators of Teachers of Science, 1999-2000.

National Science Teachers Association, Gustav Ohaus Award. *Innovations in Science Teaching: Outstanding College Science Teacher*, Washington, D.C., 1998.

Selected as *International Fellow*, International Fellows Program, Office of International Education and Office of Instructional Support and Development, University of Georgia, Athens, Georgia, 1997-1998.

Elected to the **Board of Directors**, Association of Science Teacher Educators, 1997-2000, for a three-year term.

Faculty Judge, The George Foster Peabody Awards, The University of Georgia, Athens, Georgia 1996-1997.

Visiting Research Fellow, Curtin University of Science and Technology, Science and Mathematics Education Center, Perth, Western Australia, 1995.

National Association for Research in Science Teaching, *Early Career Research Award*, (for the examination of a set of issues ranging from theoretical perspectives on teachers' beliefs to the applications of constructivist and multicultural perspectives to classroom practice), Anaheim, CA, 1994.

Elected to the Board of Directors, *Director of Research*, National Science Teachers Association, 1993, for a three year term.

The Association for the Education of Teachers of Science Award, *Innovations in Teaching Science Teachers. Reconstructing science teacher education within communities of learners* (with K. Tobin and S. Nichols), 1993.

Selected as *Research Affiliate* of the National Center for Research on Cultural Diversity and Second Language Learning, University of California, Santa Cruz, 1993.

Florida State University *Faculty Appreciation Award*, 1991.

Southeastern Association for the Education of Teachers of Science *Outstanding Position Paper Award. Becoming critical constructivist teacher researchers: The need for a critical system of meaning* (with A. Gallard), 1992.

American Association of Colleges and Schools for Teacher Education *Outstanding Scholarship on Teacher Education Award*. *How student teachers attend to student cues* (with D. Kagan), 1991.

Honorable Mention, Fourth Annual *Science Activities Creative Ideas in Science Education Award* (with P. E. Pate), 1991.

Texas A & M University Graduate Studies Office *Cary B. Smith Graduate Scholarship*, 1988-1989.

e. Areas in Which Research Is Done

Community-centered science teaching and learning; citizen science; ethical dimensions of teaching; constructivist perspectives of teaching and learning, sociocultural dimensions of science teaching and learning, case-based pedagogy, reflective practice, international science education, environmental education, social and environmental justice.

f. Supervision of Student Research

Doctoral committees:

Francis, Marsha, Ph.D., Early Childhood Education, Committee Member, in progress.

Rudolph, Heather, Ph.D., Science Education, Committee Chair, in progress.

Woodard, Urleaka, Ph.D., Science Education, Committee Member, in progress.

Mendicino, Matt, Ph.D., Science Education, Chair, in progress.

Leslie, Logan, Ph.D., Science Education, Chair, in progress.

Mitchell, Debbie, Ph.D., Science Education, Chair, 2013.

Holt, Kiyra, Ph.D., Science Education, Chair, 2013..

Clarke, Leroy, Ph.D. Science Education, External Committee Member, Ontario Institute of Science Education, September, 2010.

Pagan, Tina, Ph.D., Science Education, Chair, in progress

Jenkins, Lynda, Ph.D., Science Education, Chair, in progress.

Luther, Rachel, Ph.D., Science Education, Chair, December, 2012.

Cole, Gerri, Ph.D., Science Education, Chair, December, 2011.

Britton, Stacey, Ph.D., Science Education, Chair, July, 2011.

Cajigal, Aris, Ph.D., Science Education, Chair, July, 2010.

Hodges, Georgia, Ph.D., Science Education, Co-Chair, July, 2010

Hallar, Brittain, Ph.D., Science Education, Co-chair, May, 2009.

Stratton, Pamela, Ph.D., Middle School Education, Chair, December, 2007.

Park, Su Kyong, Early Childhood Education, Chair, May, 2009.

Davis, Carl, Ph.D., Elementary Education, Co-Chair, in progress.

Handa, Vicente, Ph.D., Science Education, Co-Chair, May, 2008.

McGuiness, Bevan, Ph.D., Science Education, University of Toronto, external committee member, October, 2009.

Vernon, Tanya Marie, Ph.D., University of Toronto, external committee member, November, 2009.

Streethunyo, Akarat, Ph.D., Science Education, Committee Member, May, 2008.

Soparat, Sassitorn, Ph.D., Science Education, Committee Member, May, 2008.

Whitting, Donna, Ph.D., Elementary and Social Studies Education, Co-chair, May, 2009.

Mullen, Tim, Ph.D., Elementary Education, Chair, December, 2006.

Calkins, Jamie, Ph.D., Science Education, Chair, May, 2005.

Lee, Seounyoung, Ph.D., Elementary Education, Chair, December, 2003.

Veal, William, Ph.D., Science Education, Chair, August 1998.

Williamson, Rachel, Ph.D., Science Education, Chair, May, 2003.

Stevenson, Jennifer, committee Member, August, 2007.

Willis, Bob, Ph.D., Science Education, Committee member, July, 2010.

Rackely, Rhonda, Committee Member, in progress.

Watkins, Mario, Ph.D., Science Committee member, in progress.

Bongkophet, Thitiya, Ph.D., Science Education, Committee member, August, 2009.

Juntarapresert, Apisita, Ph.D., Science Education, Committee Member, April, 2009.

Zahradnik, Ray, Ph.D., Elementary Education, Committee Member, 2010.

Lawrence, Molly, Ph.D., Science Education Committee Member, August, 2007.

Bray, IV, Ph.D., Science Education, Committee Member, in progress.

Draper, Jessie, Ph.D., Science Education, Committee Member, in progress.

Scott, Anna, Ph.D., Science Education, Committee Member, May, 2007.

Song, YoungJin, Ph.D., Science Education, Committee Member, July, 2008.

Howard, Stacy, Science Education, Committee Member, in progress.

Nye, William, Ph.D., Science Education, Committee Member, 2013.

Rogan, Bob, Ph.D., Middle School Education, Committee Member, May, 2006.

McArthur, Jarvis, Ph.D., Science Education, Committee Member, in progress.

Clark, Sharon, Ph.D., Language Education, Committee Member, in progress.

Lane, Lena, Ph.D., Science Education, Committee Member, in progress.

Torrance, Nicole, Ph.D., Middle School Education, Committee Member, May, 2004.

Morgan, Sharon, Ph.D., Elementary Education, Committee member, August, 2004.

Drake, Vicki, Ph.D., Science Education, Committee Member, August, 2003.

Lyon, Grace, Ph.D., Science Education, Committee Member, August, 2003.

Wylie, Clyde, Ph.D., Science Education, Committee Member, May, 2003.

Satterfield, Dawn, Human Health & Performance, Committee member, December, 2001.

Kemp, Andy, Ph.D., Science Education, Committee Member, May 2002.

Sampson, Alice, Ph.D., Middle School Education, Committee Member, May 2001.

Chun, Sajin, Ph.D., Science Education, Committee Member, 2000.

Li, Hua, Ph.D., Science Education, Committee Member, August, 1999.

Paris, Nita, Educational Psychology, Committee Member, November, 1999.

Wieseman, Katherine, Ph.D., Science Education, Committee Member, August 1998.

Brindley, Roger, Ed.D., Elementary Education, Committee Member, August 1996.

Deru, David, Ed.D., Science Education Committee Member, August 1996.

Doster, Elizabeth, Ph.D., Science Education, Committee Member, August 1996.
 Pyle, Eric, Ph.D., Science Education, Committee Member, August 1995.
 Richardson, Lon, Ph.D., Science Education, Committee Member, August 1994.
 Guy, Mark, Ph.D., Science Education, Committee Member, June 1993.
 Phillips, Pat, Ed.D., Science Education, Committee Member, June 1992.

Educational Specialist Committees:

Brumbach, Larry, Ed.S., Science Education, Committee Chair, December 2013.
 Steele, David, Ed.S., Science Education Committee Member, December, 2013.
 Cooper, Mary, Ed.S., Science Education, Committee Member, April, 2008.
 Keller, Suzanne, Ed.S., Early Childhood Education.
 Cunningham, Lydia, Ed.S., Science Education, April, 2007.
 York, Kelly, Ed.S., Science Education.
 Kincine, Anne, Ed.S., Reading Education, Committee Member, May 2005.
 Tokarska, Elizabeth, Ed.S., Science Education, Committee Member, May 2004.
 Cannon, Stephanie, Ed.S., Science Education, Committee Member, August 1999.
 Cooper, Clark, Ed.S., Science Education, Committee Member, August 1999.
 Kitchens, Pamela, Ed.S., Science Education, Committee Member, May 1999.

Undergraduate and Master's Thesis Committees:

Mitchell, Debbie, M.S., Science Education, Committee Member, May, 2009.
 Mahaya, Evans, May, 2009.
 Bondi, Matt, B.S., Forestry, Committee Member, August, 2002.
 Robin, Kris, B.S., Forestry, Committee Member, August, 2002.
 Heei, Tzu, MA, Special Education, Committee Member.
 Mahaya, Evans, M.S., Science Education, Committee Member, June, 2009.

g. Editorship or Editorial Board Member of Journals

Editorial board, *Education Section Editor, Journal of Humanities and Social Sciences*, 2012
 Editorial board, *Cultural Studies in Science Education*, 2008-
 Editorial board member, *Journal of Research in Science Teaching*, 1996-2003.
 Editorial board member, *Journal of Science Teacher Education*, 1996-2000.
 Editorial board member, Teacher Education section of *Science Education*, 1994-1998.
 Advisory board member, *International Encyclopedia of Educational Reform*, 1994-1996.
 Manuscript Review Panel member, Special Publications, National Science Teachers Association, 1999-2001.

Other

Faculty Mentor, Ecology 8710, Environmental law Practicum: Upper Altamaha Initiative through the River Basin Center: Sofia Arce-Flores, Caroline McFalin, Sarah Pilzer, Stacey Vigil.

h. Convention Papers

An asterisk identifies a paper that has a published counterpart.

International conventions:

Jenkins, L., Tippins, D., Pate E. & Britton, S. (2014). *Repositioning citizen science in the education of teachers: Developing a sense of place, agency and mindfulness*. Paper presented at the annual meeting of the Association of Science Teacher Educators, San Antonio, TX.

Zhang, D., Crawford, B., & Tippins, D. (2014). *An exploratory study of prospective elementary teachers' knowledge and beliefs about engineering design*. Paper presented at the annual meeting of the Association of Science Teacher Education, San Antonio, TX.

Zhang, D., Kim, Y., Tippins, D., & Ntemngwa, C. (2014). *Exploring pre-service teachers interdisciplinary understandings of science through design technology*. Paper presented at the annual meeting of the Association for Science Teacher Education, San Antonio, TX.

Tippins, D., Jenkins, L., Britton, S., & Pate, E.. (2014, April). *Citizen Science in the education of teachers: developing a sense of place, agency and mindfulness*. Paper presented at the National Association for Research in Science Teaching conference. Pittsburgh, P.A.

Tippins, D., Leslie, L., Chin, P., & Reis, G. (2014, April). *Awakening a dialogue between science education and ecojustice*. Symposium presented at the National Association for research in Science Teaching conference. Pittsburgh, P.A.

Platt, E., Tippins, D., Olivera, S., Rudolph, H., & Britton, S. (2014, April). *Sociocultural research in environmental education: Approaches, Methods and Contexts*. Symposium presented at the National Association for Research in Science Teaching conference, Pittsburgh, P.A.

Tippins, D. (2013, September). *Digging deeper into soils*. Presentation at the National Organization of Science Teacher Educators of the Philippines, Bacolod City Philippines.

Tippins, D., (2013, September). *Generation R: Science Education in the Anthropogenic*. Paper presented at the National Organization of Science Teachers and Educators, Bacolod City Philippines.

Tippins, D. (2013, September). *Science education policies and practices: Local or global?* Plenary address, National Organization of Science Teachers and Educators (NOSTE), Bacolod City, Philippines.

Tippins, D. (2013, September). *Science education for sustainable development*. Paper presented at the annual meeting of the National Association of Science Teachers and Educators (NOSTE), Bacolod City, Philippines.

- Tippins, D. (2013, August). *Repositioning climate change in the education of teachers: An ecojustice perspective*. Keynote address at the annual meeting of the Korean Federation of Science Education Societies and Korea Society for Energy and Climate Change Education, Chooncheon, Korea.
- Tippins, D. (2013, August). *Recent trends in science education for young children*. Plenary speaker for the Seoul National University of Education International Symposium on Science Education, Seoul, Korea.
- Tippins, D. & Pate, E. (2013, March). *La Academia de Sistemas para Cientificos Jovenes*. Paper presented at the International Consortium for Research in Science and Mathematics Education Conference, Granada, Nicaragua.
- Thomson, N. Tippins, D. Bloch, L. & Dubois, S. (2013, January). *Advancing pre-science teachers knowledgeable of climate change and evolution: What do science educators need to know and do?* Paper presented at the Association of Science Teacher Educators Conference, Charleston, S.C.
- Jenkins, L & Tippins, D. (2013, January). *Making connections by breaking down boundaries: citizen science's role in connecting people and nature in Great Smoky Mountains National Park*. Paper presented at the Association of Science Teachers Educators Conference, Charleston, S.C.
- Mitchell, D. B. & Tippins, D. (2013, January). *Action gardening: Linking science education And engaged citizenry through prophetic pragmatism*. Paper presented at the Association of Science Teacher Educators Conference, Charleston, S.C.
- Tippins, D. & Thomson, N. (2012, August). *Ecojustice for 21st. Century Education*. Keynote address for the International Conference on Globalization and Sustainability, Iloilo City, Philippines.
- Tippins, D. (2012, August). *Envisioning culturally relevant pedagogy for 21st century classrooms*. Paper presented at the International Conference on Globalization and Sustainability, Iloilo City, Philippines.
- Tippins, D. (2012, March). *A cultural media analysis: Behavior and genetic imprinting*. Presented at the annual meeting of the Cultural Studies Forum, Indianapolis, IN.

- Thomson, N., Tippins, D., Namdar, B. & Bloch, L. (2012, March), *Are we failing to prepare 21st century teachers for diversity lost? Climate's influence on evolution*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Indianapolis, IN.
- Britton, S., Jenkins, L., Mueller, M. Tippins, D. & Bryan, L. (2012, January). *Beginning teachers' tensions in citizen science ,ethics in citizen science at Tremont Institute, and the future of citizen science*. Paper presented at the annual meeting of the Association of Science Teacher Education, Clearwater Beach, Florida.
- Mueller, M., Luther, R., Tippins, D., Stewart, A., Fazio, X., Karrow, D., Roehrig, G. (et al.) (2012, January). *A guide to school policy and legislation: Assessing schools for generation R*. Papers presented at the annual meeting of the Association of Science Teacher Educators, Clearwater Beach, Florida.
- Mitchell, D., Luther, R., Tippins, D., Mueller, M., Zeider, D., & Sadler, T. (2012, January). *The confluence of ecojustice, socioscientific issues and socioscientific reasoning*. Paper presented at the annual meeting of the Association of Science Teachers Educators, Clearwater Beach, Florida.
- Britton, S. & Tippins, D. (2011, April). *Using citizen science as a framework for preparing secondary science teachers: A hermeneutic study*. Paper presented at the annual conference of the National Association for Research in Science Teaching, Orlando, Florida.
- Juntaraprasert, A., Roadrangka, V. & Tippins, D. (2011, April). *Using lesson study to understand how elementary science teachers-translate social constructivist learning theory into practice*. Paper presented at the National Association for Research in Science Teaching, Orlando, FL.
- Hodges, G., Oliver, S. & Tippins, D. (2011, April). *Science teacher retention: Examining a link between deprofessionalization and dissatisfaction of teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.
- Britton, S., Tippins, D. & Freeman, M. (2011, April). *Using citizen science as a framework for teaching pre-service secondary science teachers: How does understanding emerge?* Paper presented at the annual conference of the National Association for Research in Science Teaching, Orlando, FL.
- Tippins, D. (2011, March). *Ecojustice education in the Philippines: The case of food security*. Keynote presenter for the Mathematics and Science Education Center for Excellence, West Visayas State University, Iloilo City, Philippines.

- Tippins, D., Meyer, D., Gibert, A., Mueller, M. & Thomson, N. (2011, January). *The power of our narratives: Thirteen questions for graduate student and early career science teacher educators*. Presented at the annual conference of the Association of Science Teacher Education, Minneapolis, MN.
- Tippins, D., Mueller, M., & Cole, G. (2011, January). *Prospective science teachers' explorations of socioscientific issues through videoessays*. Paper presented at the annual conference of the Association of Science Teacher Education, Minneapolis, MN.
- Tippins, D. & Cajigal, A. (2011, January). *Global climate change: Exploring the epistemological, pedagogical and curricular beliefs of prospective science teachers*. Paper presented at the annual conference of the Association of Science Teacher Education, Minneapolis, MN.
- Thomson, N. & Tippins, D. (2011, January). *The first decade of the 21st century: International perspectives on what we have learned and where we need to go*. Paper presented at the annual conference of the Association of Science Teacher Education, Minneapolis, MN.
- Harnish, D., Hix, S., Tippins, D., et al. (2010, May). *Majares Al Ghad Evaluation Study Results: What we've Learned*. Ministry of Education, United Arab Emirates.
- Bilbao, P., Arellano, E. & Tippins, D. (2010, February). *Contextualizing teacher education through community immersion*. Paper presented at the International Conference on Trends and Challenges in Teacher Education, University of Guam, Mangilao, Guam.
- Hodges, G., & Tippins, D. (2010, January). *School and Community tensions related to the retention of secondary science teachers in rural school districts of Middle Georgia*. Paper presented at the annual conference of the Association of Science Teachers Education, Sacramento, California.
- Bowen, M. & Tippins, D. (2010, January). *The purposes and roles of science education in international contexts*. Annual Conference of the Association of Science Teacher Education, Sacramento, California.
- Tippins, D., Thomson, N., Pagan, T., Cajigal, A. & Britton, S. (2010, January). *The development of an international science teacher education course: Some strategies, issues and experiences*. Paper presented at the annual conference of the Association of Science Teacher Education, Sacramento, CA.
- Pagan, T. W. & Tippins, D. (2010, January). *Turning local knowledge into legitimized knowledge: Metanarratives as a progressive tool for the environmental educator's integration of cultural experiences into community water education*. Paper presented at the annual conference of the Association of Science Teachers Education, Sacramento, CA.

- Cajigal, A., Tippins, D. & Mueller, M. (2010, January). *Exploring ethical decision making of preservice science teachers through citizen science methods*. Paper presented at the annual conference of the Association of Science Teacher Education, Sacramento, CA.
- Tippins, D., Brown, S., Koehler, C., Eick, C. (2010, January). *Scholarship and publication in science teacher education: A forum for graduate students and early career professors*. Paper presented at the annual conference of the Association of Science Teacher Education, Sacramento, CA.
- Tippins, D. (2009, May). *Ecojustice theory informing science education research*. Paper presented at Kasetsart University, Bangkok, Thailand.
- Tippins, D. (2009, April). Embedding ecojustice perceptives in science teacher preparation: Cases from the Philippines and Blackbelt region of rural Georgia. Paper presented as part of the invited symposium: *Ecojustice in and through science education: A community discussion*. Presented at the National Association for Research in Science Teaching conference, Garden Grove, CA.
- Hodges, G. & Tippins, D. (2009, April). *Leaving science behind: A case study of teaching science in a rural school amid high stakes testing*. Presented at the National Association for Research in Science Teaching conference, Garden Grove, CA.
- Bowen, M., Tippins, D., Narayan, R., Cajigal, A., (2009, January). *International perspectives on issues in science teacher education: An interactive panel presentation*. Paper presented at the annual conference of the Association of Science Teacher Education, Hartford, CT.
- Smolleck, L., Eick, C., & Tippins, D. (2009, January). *The role of writing in the mentoring process*. Paper presented at the annual meeting of the Association of Science Teacher Education as part of the forum on Nurturing Scholarship in Early Career Professors, Hartford, CT.
- Tippins, D. & Brittan, S. (2008, October). *Exploring discourses of relevance in science education for the 21st century: A movement towards citizen science*. Paper and keynote address presented at the International Academic Conference of Indigenous Science and Mathematics Education, National Taitung University, Taitung, Taiwan.
- Tippins, D. & Handa, V. (2008, October). *Creating relevant education within a community immersion model of science teacher preparation*. Paper and keynote address presented at the International Academic Conference on Indigenous Science and Mathematics Education, National Taitung University, Taitung, Taiwan.

- Tippins, D. (2008, August). *Researching the environmental messages of the rice terraces: An elementary science curriculum project*. Paper presented at Infugao State College of Agricultural and Forestry, Infugao, Philippines.
- Juntaraprasert, A., Roadrangka, V. & Tippins, D. (2008, July). *Social Constructivist learning theory integration in science teaching: Understanding Teachers' Conceptual Development and Practice*. Paper to be presented at the Australasia Science Education Research Association conference, Perth, Western Australia.
- Tippins, D. (2008, May). *Memory banking as a tool for creating relevant science education*. Paper to be presented at the International Consortium for Research in Science and Mathematics Education, University of Technolgia Equinoccial, Quito, Ecuador.
- Brickhouse, N., Varelas, M., Tippins, D., Rodriguez, A., Tobin, K. & Roth, W. M. (2008, March). *Responding to the call of science for "All American:" Issues of Equity and Diversity*. Invited panel organized by the Research Committee of the National Association for Research in Science Teaching, Baltimore, MD.
- Handa, V. & Tippins, D. (2008, March). *Crafting a community-centered and culturally relevant pedagogy in pre-service science teacher education: A collaborative action ethnography*. Paper presented at the National Association for Research in Science Teaching Conference, Baltimore, MD.
- Streethunyoo, A., Yutakon, N. Viravaidhaya, Y., Prasitpan, N. & Tippins, D. (2008, February) *Factors that influence an elementary teacher's use of students' funds of knowledge in developing inquiry-based science curricula*. Paper presented at the International Conference of Asian Science Education, Kaehsiung, Taiwan.
- Handa, V., Tippins, D., Thomson, N., Bilbao, P., Colocar, K., Montano, H. & Morano, L. (2008, February). *Negotiation of meanings through community immersion: Responding to the call of relevancy in science teacher preparation*. Paper presented at the Secretariat International Research Conference, West Visayas State University, Philippines.
- Handa, V., Tippins, D. Thomson, N., Morano, L., Colocar, K. Juanites, S. & LaCorte, R. (2008, February). *The community immersion model in science teacher preparation: Towards a framework for community-centered science education*. Paper presented at the Secretariat International Research conference, West Visayas State University, Iloilo City, Philippines.
- Soparat, S., Tippins, D. & Tunhikor, B. (2008, February). *Lesson Study: A model of professional development for Thai elementary science teachers*. Paper presented at the International ICASE conference, Kaehsiung, Taiwan.

- Tippins, D. & Handa, V. (2008, January). *Answering the call for relevance in science teacher education*. Paper presented at the Annual Conference of the Association of Science Teacher Educators, St. Louis, MO.
- Tippins, D., Hodges, G. & Johnson, A. (2008, January). *Pathways to science education in rural Georgia*. Paper presented at the Annual Conference of the Association of Science Teacher Educators, St. Louis, MO.
- Tippins, D. (2007, October). *Teaching and learning science in the reform era*. Invited keynote address at the 33rd Congress on Science and Technology of Thailand, Nakhon Si Thammarat, Thailand.
- Soporat, S., Tippins, D. & Tunkikorn, B. (2007, October). *Organizing the learning experience for earth and environmental science using the inquiry cycle*. Paper presented at the 33rd Congress on Science and Technology of Thailand, Nakhon Si Thammarat, Thailand.
- Bongkotphet, T. & Tippins, D. (2007, October). *The status of teaching and learning science of grade six in schools under the Bangkok Metropolitan Administration*. Presentation at the 33rd Congress on Science and Technology of Thailand, Nakhon Si Thammarat, Thailand.
- Juntaraprasert, A. & Tippins, D. (2007, October). *The beliefs of elementary teachers regarding the teaching and learning of properties of matter*. Presentation at the 33rd Congress on Science and Technology of Thailand, Nakhon Si Thammarat, Thailand.
- Soporat, S. & Tippins, D. (2007, October). *Understanding elementary science teachers' narrative knowledge of classroom practice*. Paper presented at the 33rd Congress on Science and Technology, Nakhon Si, Thammarat, Thailand.
- Handa, V., Tippins, D. & Montano, H. (2007, November). *Integrating social justice service learning in a community-based science teacher preparation: A dialogue of life*. Paper presented at the National Association for Multicultural Education conference, Baltimore, MD.
- Tippins, D. (2007, June). *Promoting student questioning in science inquiry*. Annual conference of the Association of Elementary Science Teachers of the Philippines, Iloilo City, Philippines.
- Tippins, D. (2007, June). *Conducting science investigatory projects in the secondary school*. Paper presented at St. Paul's Diocese of the Philippines symposium, Manila, Philippines.
- Johnson, A., Tippins, D., Stratton, P., Hodges, G. & Rezak, A. (2007, November). *Community-centered approaches to science and literacy curriculum and instruction: Identifying and exploring local practices*. Paper presented at the National Research Council, Austin, TX.

- Handa, V.C., Tippins, D. & Thomson, N. (2007, April). *A case study of community immersion as a context for creating a community-based science teacher preparation*. Paper presented at the National Association for Research in Science Teaching Conference, New Orleans, LA.
- Tippins, D., Handa, V., Bilbao, P., & Morano, L. (2007, January). *Conceptualizing service learning within a community immersion model of science teacher preparation*. Paper presented at the Association of Science Teacher Educators Conference, Tampa, Florida.
- Butler, M., Lawrence, M., Tippins, D. & Thomson, N. (2007, January). *University students as curriculum developers: An alternative worth pursuing*. Paper presented at the Association of Science Teacher Educators conference, Tampa, Florida.
- Handa, V., Tippins, D. & Thomson, N. (2007, April). *A case study of community immersion as a context for creating a community based science teacher preparation*. Paper presented at the annual conference of the National Association for Research in Science Education, New Orleans, LA.
- Tippins, D. & Handa, V. (2006, April). *Creating a community-centered science teacher preparation in the Philippines: A dialogues of life*. Paper presented at the NSTA/ICASE International Conference, "Developing a world view for science education, San Francisco, CA.
- Tippins, D., Handa, V., Morano, L. & Bilbao, P. (2007, January). *Conceptualizing service learning within a community immersion model of service teacher preparation*. Paper presented at the annual conference of the Association of Science Teacher Education, Tampa, FL.
- Tippins, D., Morano, L. & Montano, H. (2006, June). *Developing a culture of excellence through qualitative research*. Papers presented at Ifugao State College of Agricultural and Forestry, Ifugao, Philippines.
- Tippins, D. (2006, July). *Understanding diverse learners in our 21st century global world*. Paper presented at the WVSU undergraduate research symposium, Iloilo City, Philippines.
- Tippins, D. (2006, July). *Action research in educational leadership*: Paper presented at the University of San Augustin, Iloilo City, Philippines.
- Tippins, D. (2006, August). *Internationalizing science education: The WVSU/UGA experience*. Paper presented at Bilgol University, Legaspi City, Philippines.

- Koballa, T. & Tippins, D. (2006, April). *Preparing science education teacher-leaders: A Thailand - U.S. partnership*. Paper presented at the NSTA/ICASE International Conference, "Developing a world view for science education, San Francisco, CA.
- Hammond, L., Tippins, D., Chinn, P. & Branch, C. (2006, April). *Exploring discourses of 'relevance' in science education for the 21st century: Cases from the field*. National Association for Research in Science Teaching, San Francisco, CA.
- Tippins, D. (2006, March). *Case-based pedagogy: A tool for scaffolding science learning*. Presented at the International Consortium for Research in Science and Mathematics Education, Nassau, Bahamas.
- Tippins, D., Butler, M., Thomson, N. & Ritchie, S. (2006, January). *Exploring the challenge of culturally relevant science education through metaphor and discourse*. Association of Science Teacher educators, Portland, Oregon.
- Tippins, D., Thomson, N. & Handa, V. (2006, January). *Inventing a practice of community in science teacher preparation*. Association of Science Teacher Educators, Portland, Oregon.
- Morano, L., Tippins, D. & Bilbao, P. (2005, December). *School and community collaboration in the preparation of elementary science teachers*. Paper presented at the Inter-Zonal Research Congress, Cebu, Philippines.
- Morano, L., Tippins, D., & Bilbao, P. (2005, December). *Doing ethnographic action research: Some challenges*. Paper presented at the Inter-Zonal Research Congress, Cebu, Philippines.
- Morano, L., Tippins, D. & Bilbao, P. (2005, December). *A narrative study of science teacher transformation through case-based pedagogy and community building*. Paper presented at the SUCTEA 8th National Congress, Kalibo, Aklan, Philippines.
- Tippins, D. & Morano, L. (2005, May). *A biodiversity conceptual framework for tertiary education*. Paper presented at the annual conference of the Philippines Network of Environmental Education, Western Philippines University, Puerto Princessa, Palawan, Philippines.
- Tippins, D. (2005, March). *Promoting reflection in science teacher education and research: Stepping back and looking forward*. Paper presented at the Teacher Education Research conference, West Visayas State University, Iloilo city, Philippines.
- Tippins, D., Handa, V., Barcenal, T., Bilbao, P., Espigar, I. Gangosa, N. Montano, H., Morano, I. & Prizas, M. (2005, January). *Towards a community-based model of service learning in science teacher preparation: A dialogue of life*. Paper presented at the annual meeting of the Association for Science Teacher Education, Colorado Springs, Co.

- Tippins, D., Thomson, N. & Butler, M. (2005, January). *Moving beyond culturally relevant pedagogy in science education*. Paper presented at the annual meeting of the Association for Science Teacher Education, Colorado Springs, Co.
- Aranador, L., Bilbao, P., Morano, L., & Tippins, D. (2004, August). *Building a community of researchers through collaboration: The WVSU/UGA experience*. Paper presented at the Asia-Pacific Conference on Higher Education Research. Manilla, Philippines.
- Morano, L., Bilbao, P., Barcenal, T., Nichols, S. & Tippins, D. (February, 2004). *The Casay environmental education and indigenous studies center: Learning science through the community*. Paper presented at the International Conference on Best Practices in Teaching and Learning of Science, University of the Philippines, Quezon City, Philippines.
- Tippins, D. (2004, February). *Evolving questions in qualitative research*. Paper presented at the WVSU Teacher Education conference. West Visayas State University, Iloilo City, Philippines.
- Nichols, S. & Tippins, D. (2004, February). *Exploring relationships in co-participatory action research: Changing from outsider to insider roles*. Paper presented at the WVSU Teacher Education conference, West Visayas State University, Iloilo City, Philippines.
- Kamen, M., Luft, J., Nichols, S., Norman, K., Patterson, B. P., Settlage, J. Tippins, D., Weinburgh, M. & Yeotis, C. (2004, January). *The learning cycle in science teacher education: Embrace or move on?* Panel presentation at the annual international meeting of the Association of Educators of Teachers of Science, Nashville, TN.
- Tippins, D., & Nichols, S. (2004, January). *Re-connecting teachers, learners and science education through community-based environmental education*. Paper presented at the annual international meeting of the Association of Educators of Teachers of Science, Nashville, TN.
- Tippins, D. & Nichols, S. (2004, April). *Memory banking: A narrative tool for envisioning community-based science education*. Paper presented as part of the symposium "Through insider eyes: Physical and conceptual mapping of science in non-mainstream lifeworlds," National Association for Research in Science Teaching, Vancouver, Canada.
- Brandt, C., Chinn, P., Frazier, R., Nichols, S., Tippins, D., & Hammond, L. (2003, October). *Cultivating community-based science education through use of "memory banking."* Paper presented as part of the symposium *The pedagogy of place: Towards a cultural and ecological sustainability in science education*. Paper presented at the American Educational Studies Association conference, Mexico City, Mexico.
- Nichols, S. & Tippins, D. (2003, April). *Drawing on community memory and agency to envision community-based science education: Insights from a Filipino barangay*. Paper presented at

the American Educational Research Association conference, Chicago IL.

- Morano, L., Bilbao, P., Barcenal, T., Nichols, S., Tippins, D. (2003, April). "*Seeds*" as multiple resource for an interdisciplinary curriculum in basic education. Paper presented at the Association of Elementary Science Teachers and Educators of the Philippines conference, Iloilo City, Philippines.
- Bilbao, P. P., Morano, L., Barcenal, T. L., Nichols, S., Tippins, D. (2003, April). *Memory banking: Generating seeds for an interdisciplinary curriculum*. Paper presented at the Second National Research Congress, University of Santo Tomas, Thomas Aquinas Research Complex, Manila, Philippines.
- Tippins, D., & Nichols, S. (2003, March). *Valuing "community" in the construction of international research collaborations: A paradox of globalization?* Paper presented at the ICASE/NARST symposium, How to weave a science education research agenda with international collaborations, Philadelphia, PA.
- Brandt, C., Chinn, P., Hammond, L., Frazier, R., Tippins, D. & Nichols, S. (2003, March). *Developing a place-based pedagogy for science education*. Paper presented at the National Association for Research in Science Teaching conference, Philadelphia, PA.
- Nichols, S. & Tippins, D. (2003, March). *Using narrative inquiry tools to explore community-based science education: Insights and concerns*. Paper presented at the National Association for Research in Science Teaching conference, Philadelphia, PA.
- Bilbao, P. P., Morano, L., Barcenal, T. L., Nichols, S., Tippins, D. (2003, February). *Drawing on "seeds" from memory banking: A curricular experience in science education*. Paper presented at the "International Research Conference on Responding to the Challenges of Collaboration in Research in Academe," Iloilo City, Philippines.
- Morano, L., Tippins, D., Bilbao, P., Barcenal, T., Nichols, S. and Aranador, L. (2002, May). *Constructing school/university partnerships: An exploration of community - based science education through case-based pedagogy*. Paper presented at the Academic Excellence and Quality Assurance AUAP Learning and Sharing Conference VIII, Denpasar, Bali.
- Tippins, D. (2002, April). *Conceptual and practical perspectives on action research*. Paper presented at Pasig Catholic College, Manila, Philippines.

- Tippins, D., Nichols, S., Morano, L., Barcenal, T. and Bilbao, P. (2002, March). *Exploring community change and science education through tools of narrative inquiry*. Paper presented at the Third National Conference on Research in Teacher Education, University of Philippines, Quezon City, Philippines.
- Tippins, D. (2002, February). *Preparing teachers for the next century: Critical issues in teacher education pedagogy*. Paper presented and three-day seminar at Nueva Visayas Polytechnic University, Nueva Visayas, Philippines.
- Tippins, D. (2002, February). *Science education for diverse learners*. Paper presented at De LaSalle University, Lipa City, Batangas, Philippines.
- Tippins, D. (2002, February). *Teaching strategies in tertiary education*. Paper presented at Colegio de San Jose, Iloilo City, Philippines.
- Barcenal, T., Bilbao, P. Nichols, S. & Tippins, D. (2001, July). *Building a collaborative multicultural research and learning community: A lived experience*. Paper presented at the International Conference on Teacher Education (ICT Ed), University of the Philippines, Quezon City, Philippines.
- Tippins, D. & Nichols, S. (2001, July). *Exploring the teaching and learning process through case-based pedagogy and research*. Paper presented at the International Conference on Teacher Education (ICT Ed) Post-conference workshop, University of the Philippines, Quezon City, Philippines.
- Tippins, D., Morano, L., Barcenal, T. & Bilbao, P. (2001, August). *Fulbright lecture series on trends in teacher education: Constructivism and action research*. West Visayas State University, Iloilo City, Philippines.
- Tippins, D., Morano, L., Barcenal, T. & Bilbao, P. (2001, September). *Fulbright lecture series on trends in teacher education: Multicultural education and contextual teaching and learning*. West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (2001, December). *Envisioning teacher education research for the 21st century: Action research, multicultural education and teaching strategies*. A 75th anniversary celebration. Invited speaker, 75th anniversary two-day research forum, University of San Augustin, Iloilo City, Philippines.
- Arellano, E., Barcenal, T., Bilbao, P., Castellano, E., Tippins, D. & Nichols, S. (2000, July). *Development of a science teacher education case-based collaborative research project*. Paper presented at the Research In-House Review, West Visayas State University, Iloilo City, Philippines.
- Tippins, D., Nichols, S., Bilbao, P., Castellano, E., Barcenal, T., & Morano, L. (2000, July).

Student teaching at the edge of yesterday, today and tomorrow: Towards a narrative understanding of science teaching and learning as a culturally constituted practice. Paper presented at the Research In-House Review, West Visayas State University, Iloilo, Philippines.

Tippins, D., & Nichols, S. (2000, February). *Using cases to transform science teacher education in diverse contexts.* Paper presented at the International Consortium for Research in Science and Mathematics Education, San Jose, Costa Rica.

Nichols, S., & Tippins, D. (2000, February). *A thematic approach to emancipatory learning in elementary science.* Paper presented at the International Consortium for Research in Science and Mathematics Education, San Jose, Costa Rica.

Nichols, S., & Tippins, D. (1999, August). *Action research: A discourse for learning and teaching of science.* Paper presented at Ateneo de Zamboanga University, Science Teaching Institute, Zamboanga, Philippines.

Tippins, D., & Nichols, S. (1999, July). *Creating a science learning culture through action research.* Paper presented at the Philippine Association of Teacher Educators conference, San Augustin University, Iloilo City, Philippines.

Tippins, D., & Nichols, S. (1999, July). *An overview of case-based narrative research.* Paper presented at the Institute for Science and Mathematics Education Development, University of the Philippines, Quezon City, Philippines.

Nichols, S., & Tippins, D. (1999, July). *Action research: The use of portfolio and group case methods.* Paper presented at the West Visayas State University, Hometel Conference site, Iloilo City, Philippines.

Riley, J., Tippins, D. & Reiff, J. (1998, October). *Dolores F. Hernandez Lecture Series. The case approach in science teacher education.* University of the Philippines, Institute for Science and Mathematics Education Development, Quezon City, Philippines.

Tippins, D., & Nichols, S. (1998, February). *Defining scientific literacy: The year 2,000 and beyond.* Paper presented at the International Consortium for Research in Science and Mathematics Education, St. Clair, Trinidad.

Tippins, D., & Pate, E. (1998, February). *The portfolio as a tool for science learning.* Paper presented at the International Consortium for Research in Science and Mathematics Education, St. Clair, Trinidad.

- *Wieseman, K., Nichols, S., & Tippins, D. (1996, February). *Criteria for science education reform: A tapestry of voices*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Belize City, Belize.
- *Tippins, D. Nichols, S. & Wieseman, K. (1996, February). *Supporting science teachers as learners: The role of critical reflection in science teacher education*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Belize City, Belize.
- *Veal, W. R., Jackson, D. F., Finnegan, B., Tippins, D. J. & Crockett, D. (1995, November). *Alternative and supplemental definitions of "technology": Science educators' answers to "so what?"* Paper presented at the Third International Conference on the History and Philosophy of Science and Science Teaching Conference, Minneapolis, Minnesota.
- *Tippins, D. (1995, July). *Portfolios as a vehicle for reflection in the professional development of science teachers*. Paper presented at the Australian Science Education Research Conference, Bendigo, Victoria, Australia.
- *Nichols, S. & Tippins, D. (1995, July). *Creating a culture for reflection in science teacher education*. Paper presented at the Australian Science Education Research Conference, Bendigo, Victoria, Australia.
- *Kamen, M., & Tippins, D. (1994, January). *Portfolios in science teacher education*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Concepcion, Chile.
- *Tippins, D., Nichols, S., Tobin, K., & Crockett, D. (1994, January). *Epistemological fit in science learning environments*. Paper presented at the International Consortium for Research in Science and Mathematics Education, Concepcion, Chile.
- *Tippins, D., Tobin, K., & Hook, K. (1993, November). *Ethics in the context of science teaching: The dilemmas of practice*. Paper presented at the international meeting of the Association for Moral Education, Tallahassee, FL.
- *Tippins, D. J., & Tobin, K. (1992, May). *Ethical decisions at the heart of science teaching: Reframing assessment dilemmas from a constructivist perspective*. Paper presented at the Second International History and Philosophy of Science and Science Teaching Conference, Kingston, Ontario, Canada.
- *Tobin, K., Tippins, D. J., & Hook, K. (1992, May). *The long, hard road from objectivism to constructivism*. Paper presented at the Second International History and Philosophy of Science and Science Teaching Conference, Kingston, Ontario, Canada.
- Tippins, D. J., & Simmons, P. (1991, August). *Empowering students through environmental*

problem solving. Paper presented at the Soviet-American Science Education Conference, Moscow, USSR.

Gess-Newsome, J., Tippins, D., & Baird, B. (1999, January). *Using matrices for understanding, designing and assessing science curricula*. Paper presented at the Association of educators of Teachers of Science Conference, Austin, TX.

Nichols, S., & Tippins, D. (1999, January). *Theoretical frameworks: What are they, where do they come from?* Paper presented at the Association of Educators of Teachers of Science Conference, Austin, TX.

National conventions:

Tippins, D. (2013, November). Panel participant, Educating for global competency: Preparing youth to engage the world. Chicago, IL.

Pate, E. & Tippins, D. (2013, April). *Citizen Science: Systems Academy for Young Scientists*. Paper presented at the National Science Teachers Association Conference, San Antonio, Texas.

Jenkins, L. & Tippins, D. (2012, August). *Connecting people with nature: Citizen Science's influence on science education in the Great Smokey Mountains*. Paper presented at the Conference on Public Participation in Scientific Research, Portland, Oregon.

Mueller, M. & Tippins, D. (2008, October). *A citizen-science movement for community-life in the twenty-first century*. Paper presented at the American Educational Studies Association Conference, Savannah, Georgia.

Mueller, M., Tippins, D., Pagan, T., Cajagal, A., Hodges, G., Britton, S., & Wilson, R. (2008, October). *Rethinking an education from nowhere: Advocacy, ecojustice and uncertainty*. American Educational Studies Association Conference, Savannah, Georgia.

Handa, V., Tippins, D., & Montano, H. (2008, March). *Using multiple data sources in understanding students learning in a community immersion model of preservice science teacher preparation*. Presentation at the National Science Teacher association conference, Boston, MA.

Handa, V., Tippins, D. & Montano, H. (2007, November). *Integrating social justice service learning into a community-based science teacher preparation: A dialogue of life*. Paper presented at the National Association for Multicultural Education Conference, Baltimore, MD.

- Bongkotphet, Thitiya and Tippins, D. (2007, March). *Using cases to study elementary Teachers knowledge of inquiry-based astronomy teaching*. Presentation at the NSTA/ICASE International Conference on Science Education, St. Louis, MO.
- Jantaraprasert, A. & Tippins, D. (2007, March). *Using lesson study to understand how elementary science teachers translate learning theories into practice*. Presentation at the NSTA/ICASE International Conference on Science Education, St. Louis, MO.
- Pagan, T., Fowler, L., Freeman, M., Risse, M., Roulston, K., Tippins, D. (2006, October). *Insights into multiple interpretations of watershed stewardship: A research framework for developing effective watershed management*. Presentation at the North American Environmental Education Annual Conference, St. Paul, Minneapolis.
- Koballa, T., Tippins, D., Pojchana, M. Sreehunyo, A., & Soparat, S. (2006, April). *Preparing science education leaders for Thailand: A Thai-, U.S. partnership*. Paper presented at the National Science Teachers Association conference, Anaheim, CA.
- Tippins, D. & Handa, V. (2006, April). *Creating a community-centered science teacher preparation in the Philippines: A dialogue of life*. Paper presented at the National Science Teachers Association conference, Anaheim, CA.
- Nichols, S., Branch, L., & Tippins, D. (2003, March). *Creating grade 2 science books for cross-literacy learning: A collaborative teacher-research story*. Paper presented at the National Science Teachers Association conference, Philadelphia, PA.
- Nichols, S. & Tippins, D. (2003, January). *Cultivating community-based science education through use of "memory-banking."* Paper presented at the Association of Educators of Teachers of Science conference, St. Louis, MO.
- Bryan, L. & Tippins, D. (2002, January). *Employing case-based pedagogy in elementary science teacher preparation*. Paper presented at the Association of Educators of Teachers of Science conference, Charlotte, NC.
- Tippins, D., Nichols, S. Bilbao, P., Barcenal, T., & Morano, L. (2001, April). *A narrative study of community, change, and science education through case-based pedagogy and research*. Paper presented at the American Educational Research Association conference, Seattle, WA.
- Nichols, S., Tippins, D., Bilbao, P., Barcenal, T., Morano, L. (2001, March). *Using narrative inquiry to explore relationships of community, science teacher education and research*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, MO.
- Tippins, D., Nichols, S., Bilbao, P., Barcenal, T., Morano, L., Hammond, L. A. & Kyle, W. C.

- (2001, March). *Alternative approaches to crosscultural science education and research: Building communities of inquiry*. Paper presented at the annual meeting at the National Association for Research in Science Teaching, St. Louis, MO.
- Fraser-Abder, P., Nichols, S., Tippins, D. & Thomson, N. (2001, January). *A comparative analysis of science teacher education in fifteen countries*. Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Costa Mesa, CA.
- Fraser-Abder, P., Zoller, V., Fishchler, H., Thomson, N., Nichols, S., Tippins, D., George, J., George, P., & Adey, P. (2001, March). *Professional development in science teacher education: Local insights with lessons for the global community*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, Missouri.
- Tippins, D., Nichols, S., Bilbao, P., Arellano, E., Barcenal, T., Castellano, M. & Morano, L. (2001, January). *A new song, a new dance for science teaching and learning: Making sense of "community" through narrative forms of inquiry*. Paper presented at the annual meeting of the Association of Education of Teachers of Science, Costa Mesa, CA.
- Abder-Fraser, P., Faraquar, P., Thomson, N., George, J., Nichols, S., & Tippins, D. (2000 March). *Professional development in science teacher education: Local insights with lessons for the global community*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, Mo.
- Rodriguez, A., Gilbert, A., Hammond, L., Tippins, D., Nichols, S., Bilbao, P., Arellano, E., Barcenal, T., Castellano, M., & Roth, W. M. (2000, May). *From good intentions to transformative action: A new song, a new dance--a narrative study of transformation through case-based pedagogy and community building*. Paper presented at the annual meeting of the National Association for Research in Science Teaching New Orleans, LA.
- Tippins, D., Nichols, S., Bilbao, P., Arellano, E., Castellano, M., & Barcenal, T. (2000, May). *Case-based pedagogy as a context for collaborative inquiry: The genesis of a science teacher education learning community*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, New Orleans, LA.
- Tippins, D., Koballa, T., Thomson, N., Glynn, S., Bilbao, P., Arellano, E., Barcenal, T., & Castellano, M. (2000, April). *Internationalizing the science teacher education curriculum: Cultural and educational contexts*. Presentation at the annual meeting of the National Science Teachers Association, Orlando, FL.
- Tippins, D. (2000, April). *Transforming science education through academic community learning*. Paper presented at the annual meeting of the National Science Teachers Association, Orlando, FL.
- Nichols, S., Tippins, D., & Riley, J. (2000, January). *Autobiographical genres in educational*

research: Considering the legacies of science teacher education in the Philippines. Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Akron, OH.

- Tippins, D., Koballa, T., Leonard, R., Kang, N., Jackson, D., & Lyons, G. (2000, January). *Science classroom cases as a context for research: Investigating teachers' responses to a classroom controversy.* Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Akron, OH.
- Li, H., Oliver, S., Jackson, D., & Tippins, D. (1999, March). *A technique for the identification of an operational definition for science instruction.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Rascoe, B., Chun, S., Kemp, A., Jackson, D., Li, H., Oliver, S., Tippins, D., Nichols, S., & Radcliffe, L. (1999, March). *Scientific literacy: Interpretations of a cross-section of our society.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Tippins, D., Kemp, A., Ogura, Y., Bryan, L., Ikeda, H., Keys, C., Padilla, M., Riley, J., & Thompson, N. (1999, March). *Learning to teach science: The curriculum of student teaching in Hiroshima "attached" schools.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Tippins, D., Nichols, S., & Kemp, A. (1999, March). *Cultural myths in the making: The ambiguities of science for all.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Tippins, D., Nichols, S., & Dana, T. (1999, March). *Tools for science reflection: Elicit, elaborate and evaluate teacher learning.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Nichols, S., & Tippins, D. (1999, March). *Women in science education: An alternative sociohistorical account of science education reform.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Rascoe, B., Chun, S., Kemp, A., Jackson, D., Li, H., Oliver, S., Tippins, D., Nichols, S., & Radcliffe, L. (1999, March). *Scientific literacy: Interpretations of a cross-section of our society.* Paper presented at annual meeting of the National Association for Research in Science Teaching, Boston, MA.

- Graham P., McWhorter, P., Hudson-Ross, S., Desmet, C., Payne, B., Stanulis, R., Alexsaht-Snider, M., Mewborn, D., Bryan, L., Tippins, D., Hayes, R. L., Paisley, P. & Pajak, E. (1999, February). *Co-reform partnerships of the University of Georgia*. Paper presented at the annual meeting of the American Association of Colleges of Teacher Education, Washington, D.C.
- Bryan, L., Koballa, T., Riley, J., Thomson, N., & Tippins, D. (1999, January). *Constructing international research relationships*. Paper presented at the conference on Qualitative Research in Education, Athens, GA.
- Tippins, D., Nichols, S., & Dana, T. (1998, April). *Learning to teach science: Tools for reflection*. Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV. (NARST at NSTA).
- Pate, P.E., Tippins, D., & Parks, C. (1998, April). *Analogies: A teaching strategy for linking science and language*. Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV.
- Veal, W., & Tippins, D. (1998, April). *The evolution of pedagogical content knowledge in prospective secondary chemistry teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Diego, CA.
- *Tippins, D., Nichols, S., & Dana T. (1998, April). *Exploring novice and experienced elementary teachers' science teaching and learning referents through videocases*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Diego, CA.
- Tippins, D., Oliver, S, Nichols, S., Kemp, A., Rascoe, B., Chun, S. & Li, H. (1998, January). *Scientific literacy: Exploring the metaphor*. Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Minneapolis, MN.
- Nichols, S. & Tippins, D. (1998, January) *Contemplating literacy as "textual politics" in science education reform: Terms of change in an elementary school community*. Paper presented at the annual meeting of the Association of Educators of Teachers of Science, Minneapolis, MN.
- Osborne, M., Barton, A., Tippins, D., & Nichols, S. (1997, March). *Liberatory science education: Rethinking pedagogical practice from feminist perspectives*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.
- Nichols, S., & Tippins, D. (1997, March). *Generating prospective elementary teachers' personal understanding about the phenomena of science teaching and learning*. Paper presented at the annual meeting of the National Association for Research in Science

Teaching, Chicago, IL.

- Nichols, S., Tippins, D., Zembylas, M., & McDonald, J. (1997, January). *Contemplating the systemic nature of science education reform: Teaching practices as cultural productions*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Cincinnati, OH.
- Madrazo, G., Hounshell, P., Bryant, N., & Tippins, D. (1996, December). *Looking toward the next century: Strategies for addressing diversity*. Paper presented at the Global Summit on Science and Science Education, San Francisco, CA.
- Nichols, S., Tippins, D., Milne, C., Parker, L., Stocklmayer, S., Parker, L., & Roychoudhury, A. (1996, April). *Revisioning science teaching and learning through multicultural science and feminist frameworks*. Paper presented at annual meeting of the National Association for Research in Science Teaching, St. Louis, MO.
- Wieseman, K., Tippins, D., Padilla, M., Roseman, J., & Nichols, S., (1996, April). *Surfing science curriculum reform: On the crest of a wave or caught in a wave break?* Paper presented at the annual meeting of the National Association for Research in Science Teaching, St. Louis, MO.
- Padilla, M., Wieseman, K., & Tippins, D. (1996, April). *Evaluating industry produced materials: The Energy Cube*. Paper presented at the annual meeting at The National Association for Research in Science Teaching, St. Louis, MO.
- Veal, W. R., Tippins, D. J., & Wieseman, K. (1996, January). *The role of technology in an alternative teacher education program*. Paper presented at the annual meeting of the Association for the Education of Teachers in Science, Seattle, WA.
- Tippins, D., Veal, W., & Wieseman, K. (1995, April). *An exploratory study of the role of proverbs in the construction of knowledge about teaching and learning of science*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Francisco, CA.
- Roychoudhury, A. & Tippins, D. (1995, April). *Development of content knowledge and pedagogical content knowledge of prospective elementary teachers*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Francisco, CA.
- Nichols, S., Tippins, D., Dana, T., & Dana, N. (1995, March). *Doing more than kissing Snow White: Issues of gender equity in science teacher preparation*. Paper presented at the annual meeting of the National Science Teachers Association, Philadelphia, PA.
- Nichols, S., Tippins, D., Dana, N., & Crockett, D. (1995, January). *Images of teaching and*

- learning: Reflective tools for reconstruction.* Paper presented at the annual meeting of the Qualitative Research in Education conference, Athens, GA.
- Tippins, D. (1994, October). *Strategies for developing reflection in science and mathematics teacher education.* Paper presented at the annual meeting of the School Science and Mathematics Association, Fresno, CA.
- Tippins, D., Pate, E., Crockett, D., & Doster, E. (1994, December). *Alternative assessment of science learning: The promise of meaningful learning.* Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV.
- Dana, T. M., Tippins, D., & Kamen, M. (1994, March). *Critical constructivism and stance as referents for understanding portfolios in the education of prospective teachers of science: A multi-site case study.* Paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Tippins, D., Nichols, S. & Crockett, D. (1994, March). *Mapping the epistemic terrain: Power and privilege in the education of Native American science teachers.* Paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Ebert-May, D., Tippins, D., Adkins, C., Tashiro, J., Rowland, P., & Cantoni, G.(1994, March). *Exploring the role of teacher beliefs in the professional development of Native American elementary science teachers.* Paper presented at the annual meeting of the National Association of Research in Science Teaching, Anaheim, CA.
- Freeman, M. L., Tippins, D., Bryant, N., & Madrazo, G. (1994, March). *Science for all cultures.* National Science Teachers Association, Anaheim, CA.
- Tippins, D., & Dana, T. (1994, March). *Criteria for reform: Implications for science teacher education.* Paper presented at the annual convention of the National Science Teachers Association, Anaheim, CA.
- Tippins, D., Nichols, S., Tobin, K., & Crockett, D. (1994, February). *Exploring classroom learning environments for science: Questions of fit.* Paper presented at the annual convention of the Association of Teacher Educators, Atlanta, GA.
- Dana, T., Tippins, D., & Kamen, M. (1994, January). *Portfolio assessment in science teacher education: A vehicle for growth in pedagogical content knowledge?* Paper presented at the annual convention of the Association of Educators of Teachers of Science, El Paso, TX.
- Moscovici, H., Nichols, S., & Tippins, D. (1994, January). *Reflective tools for college teaching and learning.* Paper presented at the annual convention of the Association of Educators of Teachers of Science, El Paso, TX.

- Tippins, D., Dana, T., & Dana, N. (1993, October). *Exploring connections through theory and practice: Science and literature*. Paper presented at the annual meeting of the School Science and Mathematics Association, Alexandria, LA.
- Tippins, D., Dana, T., Oliver, S., & Dana, N. (1993, October). *Interdisciplinary curriculum in science and mathematics education: Making sense of different models and approaches*. Paper presented at the annual meeting of the School Science and Mathematics Association, Alexandria, LA.
- Doster, E., Rutledge, M., Jackson, D., & Tippins, D. (1993, April). *Teacher and student learning in a project-centered, technology-rich environment*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- Jackson, D., Tippins, D., Doster, E., & Rutledge, M. (1993, April). *Teacher learning in a project-centered, technology-rich environment*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- Koballa, T., Meadows, L., Roth, M., Jackson, D., Tippins, D., & Hook, K. (1993, April). *Teachers as researchers: Critical issues in action research*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- Nichols, S., Sullivan, B., & Tippins, D. (1993, April). *The evolution of a professional practice school: Supporting teachers as learners*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- Simmons, P., Jackson, D., McGinnis, R., & Tippins, D. (1993, April). *Science/technology/society: Multiple research perspectives*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- Tippins, D., Dana, T., Tobin, K., Munby, H., Roth, W. M., Jakubowski, E., Jones, D., Barrow, D., Hook, K., Lorsbach, A., & Briscoe, C. (1993, April). *Thinking about teaching and learning: The mediational role of the teacher*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.
- Tippins, D., Tobin, K., & Hook, K. (1993, April). *Assisting collaborative processes of knowledge construction: Ethical dilemmas of a middle school teacher*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, GA.

- Tobin, K., Russell, T., Tippins, D., & Roychoudory, A. (1993, April). *Teachers as researchers: Reflection in action*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Atlanta, GA.
- Floyd, D., Dana, N., Thomas, D., & Tippins, D. (1993, February). *Meeting diverse needs: Implementation of the case study approach in teacher education*. Professional clinic presented at the Association of Teacher Educators, Los Angeles, CA.
- Habib, G., Tobin, K., Tippins, D., Nichols, S., & Barrow, D. (1993, January). *Science education reform: The evolution of a professional practice community*. Paper presented at the annual convention of the Association of Educators of Teachers of Science, Charleston, SC.
- Tippins, D. J. (1992, November). *Bringing science-technology-society into the middle school curriculum: A project-centered approach*. Paper presented at the annual meeting of the National Middle School Association, San Antonio, TX.
- Tippins, D. J. (1992, October). *Meaningful learning in the middle school: Becoming a constructivist science teacher*. Paper presented at the annual meeting of School Science and Mathematics Association, Marquette, MI.
- Hook, K., Tobin, K., & Tippins, D. J. (1992, April). *The teacher's role in maintaining favorable learning environments*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Tippins, D. J., & Kagan, D. (1992, April). *How preservice teachers translate learning theory into instruction: A study of group problem solving*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Tippins, D. J., Tobin, K., & Hook, K. (1992, April). *Ethical decisions at the heart of science teaching: Making sense from a constructivist perspective*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Tobin, K., Tippins, D. J., & Hook, K. (1992, April). *The construction and reconstruction of teacher knowledge*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Tippins, D. J., & Simmons, P. (1992, March). *The Soviet-American science education convention: Global perspectives on environmental problem solving*. National Science Teachers Association, Boston, MA.
- Tippins, D. J., Tobin, K., & Hook, K. (1992, March). *Dealing with dilemmas of laboratory science: Making sense of safety from a constructivist perspective*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Boston,

MA.

- Tobin, K., Tippins, D. J., & Hook, K. (1992, March). *The critical reform of science education: A journey from objectivism to constructivism*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Boston, MA.
- Tippins, D. J., & Kagan, D. (1992, February). *Negotiating a curriculum for student teaching*. Paper presented at the annual meeting of the Association of Teacher Educators, Orlando, FL.
- McGinnis, R., Simmons, P., & Tippins, D. J. (1992, January). *Taboos, metaphors, and beliefs held by teachers of environmental science/technology and society*. Paper presented at the Qualitative Research in Education conference, Athens, GA.
- Tippins, D. J. (1991, November). *Holistic constructivism: Implications for teaching science*. Paper presented at the annual meeting of the National Middle School Association, Louisville, KY.
- Tippins, D. J. (1991, April). *Case studies as reflections of science and mathematics teachers' beliefs: The utility of a narrative system of analysis*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Lake Geneva, WI.
- Tippins, D. J. (1991, April). *Einstein's bimodal thinking style*. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Lake Geneva, WI.
- Tippins, D. J. (1991, April). *The relationship of science self-efficacy and gender to ninth grade students' intentions to enroll in elective science courses*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Tippins, D. J. (1991, April). *How preservice teachers "read" classroom performances*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Pate, P. E., Tippins, D. J., & Parks, C. (1991, March). *Using extended analogies to facilitate student comprehension of human body systems*. Paper presented at the annual meeting of the National Science Teachers Association, Houston, TX.
- Tippins, D. J., Pate, P. E., & Parks, C. (1991, March). *Strategies for making abstract science concepts concrete*. Paper presented at the annual meeting of the National Science Teachers Association, Houston, TX.
- Tippins, D., Thomson, N., et al. (2008, October). *Towards the development of an international science teacher education course: Some strategies, issues and experiences*. Presentation at the Southeastern Association of Science Teacher Educators, Columbus, South Carolina.

Local, regional and state conventions:

- Hannafin, M., Stephe, L., & Tippins, D. (2013, April). *Lessons learned from a career in academia*. (Panel discussion). Graduate Student Research Conference, Athens, Georgia.
- Tippins, D., Kim, Y., Zhang, D. and Ntemngwa, C. (2013, April). *Pre-service teachers' understanding of design technology process and content*. Paper presented at the Promoting STEM Education: Innovation, Infrastructure and Funding Opportunities Conference, Athens, Georgia.
- Thomson, N. & Tippins, D. (2013, February). *Advancing pre-service teachers' knowledge of climate change and evolution: What do science educators need to know and do?* Poster presentation at the College of Education Faculty Research Conference: Research for Improving the Lives and Futures of Georgia's Youth and Adults, Athens, GA.
- Tippins, D., Thomson, N., Bloch, L. & DuBois, S. (2012, April). *Linking climate change and evolution in pre-service science teacher education: What is its current status and where do we need to go?* Paper presented at the Regional 2012 STEM Institute of Teaching and Learning, Athens, GA.
- Jenkins, L. & Tippins, D. (2011, October). *An interpretive case study of citizen science at the Great Smoky Mountain's Tremont Center*. Paper presented at the annual meeting of the Southeastern Association of Science Teacher Educators, Athens, Georgia.
- Mueller, M., Tippins, D., & Luther, R. (2010, February). *Developing reflection through the "Silver Screen:" Exploring beginning teachers use of videoessays to enhance their understanding of socioscientific issues and ecojustice*. Eastern Educational Research Association, Savannah, Georgia.
- Cajigal, A., Tippins, D., & Mueller, M.. (2009, October). *The ethical decision making in videos-Beginning Science teachers' experiences with videocase simulations in citizen science*. Paper presented at the annual meeting of the Southeastern Association of Science Teacher Educators, Kennesaw, GA.
- Brittan, S., Tippins, D, & Governor, D., (2009, October). *Considering alternative formats for community science night. What can be learned?* Paper presented at the annual meeting of the Southeastern Association of Science Teacher Educators, Kennesaw, GA.
- Tippins, D., Thomson, N., et al. (2008, October). *Toward the development of an international science education course: some strategies, issues and challenges*. Presentation at the Southeastern Association of Science Teacher Educators Conference, Columbus, South Carolina.

- Handa, V. & Tippins, D. (2008, April). *Bridging Communities and preservice science teacher preparation through community immersion: Narratives from Filipino barangay*. Presentation at the Educational Forum for Globalization on Culture, Research, and Teaching, Athens, GA.
- Tippins, D., Dubois, S. & Gresham, K. (2008, February). *Getting to the heart of elementary science*. Presentation at the Georgia Science Teachers Association Conference, Athens, Georgia.
- Tippins, D., et al. (2008, February). *Connecting science and language in the elementary classroom*. Presentation at the Georgia Science Teachers Association Conference, Athens, Georgia.
- Tippins, D., Thomson, N., & Brittan, S. (2008, February). *Considering inquiry into environmental alternatives*. Presentation at the Georgia Science Teachers Association Conference, Athens, Georgia.
- Tippins, D. & Stratton, P. (2007, October). *Constructing nutritional literacies in a rural southeastern community: An action ethnography*. Presentation at the Southeastern Association of Science Teacher Educators, Valdosta, Georgia.
- Tippins, D. Handa, V., Thomson, N., Cajigal, A., Bilbao, P., Morano, L. & Montano, H. (2007, October). *The community immersion model of science teacher preparation*. Presentation at the Southeastern Association of Science Teacher Educators, Valdosta, Georgia.
- Handa, V. & Tippins, D. (2007, October). *Negotiating relevancy in preservice science teacher preparation through cultural memory banking*. Paper presented at the Southeastern Association of Science Teacher Educators, Valdosta, Georgia.
- Tippins, D. & Parks, A. (2007, August). *Creating meaningful contexts for science and literacy learning using the Georgia Performance Standards*. Presentation at the regional RESA Collaborative meeting, Athens, Georgia.
- Tippins, D., Juntanaprasert, A., & Bongkotphete, T. (2007, February). *Making elementary science relevant for all learners*. Presentation at the Georgia Science Teachers Association conference, Athens, GA.
- Tippins, D., Lawrence, M. & Thomson, N. (2007, February). *Developing environmental education decision making skills for secondary science (Project DEEDS)*. Presentation at the Georgia Science Teachers Association conferences, Athens, GA.

- Tippins, D., O'Dell, S. & Hodges, G. (2007, February). *Integrating science across the curricula: Engaging activities for active learners*. Presentation at the Georgia Science Teachers Association Conference, Athens, GA.
- Handa, V., Tippins, D., Thomson, N. & Morano, L. (2006, October). *Supervising the community immersion of prospective elementary teachers: The tale of two educators*. Paper presented at the Southeastern Association of Science Teacher Educators, Macon, Georgia.
- Tippins, D., Vigil, S., Pilzer, S., McFarlin, C. And Arce-Flores, S. (2006, February). *Project DEEDS and the environmental law practicum*. Presentation at the Northeast Georgia Regional Prism organizing meeting, Athens, Georgia.
- Tippins, D. & Thomson, N. & Butler, M. (2006, April). *Developing environmental decision-making skills in Georgia's secondary science classrooms*. Paper presented at the Regional PRISM Symposium, Atlanta, GA.
- Thomson, N., Tippins, D. & Kutal, C. (2006, April). *Developing a chemistry course for elementary teachers: Preliminary considerations*. Paper presented at the Regional PRISM Symposium, Atlanta, GA.
- Tippins, D., & Handa, V. (2005, October). *Inventing our own practice of community in science education*. Paper presented at the Southeastern Association for the Education of Teachers, Athens, Ga.
- Soparat, Sreethonyoo, Magrood-In, Khumwong, Rochanas Mita, Chomchid & Tippins, D. (discussant), (2005, October). *A survey of international research in science education*. Paper presented at the Southeastern Association of Educators of Teachers of Science, Athens, GA.
- Tippins, D. & Thomson, N. (2005, October). *Using cases with prospective and practicing science teachers: Reciprocal mentoring*. Paper presented at the Southeastern Association for the Education of Teachers, Athens, Georgia.
- Calkin, J., & Tippins, D. (2005, October). *An arts-based narrative inquiry of collaborating to teach elementary science*. Presented at the Southeastern Association for the Education of Teachers, Athens, Georgia.
- Tippins, D., & Thomson, N. (2005, April). *Scaffolding science teachers, learning through cases: A study of reciprocal mentoring*. Paper presented at the Northeast Georgia PRISM network retreat, Brasstown Valley, Georgia.

- Tippins, D., Aranador, L., Gangosa, N. & Handa, V. (2004, October). *Community immersion in elementary science: A dialogue of life*. Paper presented at the Southeastern Association for the Education of Teachers in Science conference, Gainesville, Florida.
- Tippins, D. & Nichols, S. (2004, October). *Creating community-based science education research: Narratives from a Filipino barangay*. Paper presented at the Southeastern Association for the Education of Teachers in Science conference, Gainesville, Florida.
- Gangoso, N., Espigar, I., Barcenal, T., Handa, V., Montano, H. Morano, L., Priza., M., and Tippins, D. (2004, October). *Elementary science learning: Some linguistic considerations*. Paper presented at the Southeastern Association for the Education of Teachers in Science Conference, Gainesville, Florida: The University of Florida.
- Neuhart-Pritchett, S., Tippins, D. & Lee, K. (2004, April). *A collaborative study of pre-kindergarten teachers planning, implementing and assessing of inquiry-based science*. Presentation at the Georgia Systemic Teacher Education Program Research Symposium on the Preparation of Educators, Athens, GA.
- Tippins, D. & Bryan, L. (2004, April). *The role of reflection in secondary teacher preparation: A consideration of national board certification*. Presentation at the Georgia Systemic Teacher Education Program Research Symposium on the Preparation of Education, Athens, GA.
- Tippins, D. Knight, C. & Davila, K. (2003, May). *Learning to teach contextually in middle school science/spanish classrooms*. Presentation of the Georgia Systemic Teacher Education Program Research Symposium on the Preparation of Educators, Athens, Georgia.
- Butler, M. & Tippins, D. (2003, February). *Contextual teaching and learning: Cases in the education of science teachers*. Paper presented at the Georgia Science Teachers Association conference, Jekyll Island, Georgia.
- Nichols, S. & Tippins, D. (2002, October). *Where's the "community" in science teaching and learning?* Paper presented at the Southeastern Association of Educators of Teachers of Science Conference, Atlanta, GA.
- Tippins, D. & Nichols, S. (2002, October). *Envisioning community-centered science education pedagogy for a sustainable future: Lessons from the Philippines*. Paper presented at the Southeastern Association of Educators of Teachers of Science Conference, Atlanta, GA.
- Koballa, T., & Tippins, D. (2000, October). *Initiating a portfolio culture in the education of master science teachers*. Presented at the Southeastern Association of Education of Teachers of Science conference, Auburn, AL.
- Riley, J., Tippins, D., & Weldon, J. (1999, October). "Ask not what this course can do for you."

- Service learning and science education.* Presented at the Southeastern Association of Educators at Teachers of Science Conference, Athens, GA.
- Tippins, D., Koballa, T., Leonard, R., Kang, N., Jackson, D., & Lyons, G. (1999, October). *Researching case-based instruction: How do teachers respond to controversial issues?* Presented at the Southeastern Association of Educators at Teachers of Science Conference, Athens, GA.
- Nichols, S., Welt-Guerro, D., White, J., Sampson, A., & Tippins, D. (1999, October). *Alternative research approaches towards exploring cultural diversity.* Presented at the Southeastern Association of Educators at Teachers of Science Conference, Athens, GA.
- Tippins, D. (1998, October). *Videocases as tools for examining the teaching and learning referents of elementary teachers of science.* Presented at the Southeastern Association of Educators of Teachers of Science, Atlanta, GA.
- Koballa, T., & Tippins, D. (1998, October). *Developing a middle and secondary science case handbook: The issues and promises.* Presented at the Southeastern Association of Educators of Teachers of Science, Atlanta, GA.
- Tippins, D., & Nichols, S., (1998, December). *Problem solving in science teacher education: The use of classroom cases.* Presented at the National Science Teachers Association regional convention, Albuquerque, NM.
- Tippins, D., & Nichols, S. (1998, December) *Mind jogging. Creative approaches to dilemmas in science teaching and learning.* Presented at the National Science Teachers Association regional convention, Albuquerque, NM.
- Tippins, D. (1998, May). *Native American teacher belief: What constitutes culturally relevant science?* Presented at the College of Education Multicultural Education Conference, Athens, GA.
- Bryan, L., Keys, C., Koballa, T., Oliver, S., Padilla, M., Riley, J., & Tippins, D. (1998, January). *Science education at the University of Georgia: Teaching and learning for the 21st Century.* Presented at the Georgia Science Teachers Association Convention, Atlanta, GA.
- Tippins, D., Veal, W., & Crockett, D. (1996, October). *Environmental encounters for the elementary classroom.* Presented at the National Science Teachers Association regional convention, Atlanta, GA.
- Tippins, C., Wieseman, I., & Deru, D., & Stewart, D. (1996, October). *Rethinking multicultural science teaching and learning.* Presented at the National Science Teachers Association regional convention, Atlanta, GA.
- Tippins, D., Nichols, S., Pate, E. & Koballa, T. (1995, December). *Research on science*

teaching and learning: Practical applications. Paper presented at the National Science Teachers Association, San Antonio regional convention, San Antonio, TX.

Tippins, D. (1995, May). *Portfolios in bilingual programs: Matching assessment to instruction*. Paper presented at the Georgia TESOL spring conference, Athens, GA.

Wieseman, K. & Tippins, D. (1995, February). *Integrating the earth science curriculum: Simulating geologic history*. Paper presented at the annual meeting of the Georgia Science Teachers Association, Savannah, GA.

Crockett, D., Tippins, D., Pate, E., & Doster, E. (1994, December). *Research on science teaching and learning: Practical applications for the classroom*. Paper presented at the annual meeting of the National Science Teachers Association, Las Vegas, NV.

Dana, T., Tippins, D., Dana, N., & Nichols, S. (1993, December). *Examining the dilemmas of teaching elementary science: The case study approach*. Paper presented at the National Science Teachers Association Orlando regional convention, Orlando, FL.

Tippins, D., Dana, T., & Dana, N. (1993, December). *Understanding the multicultural science classroom*. Paper presented at the National Science Teachers Association, Orlando regional convention, Orlando, FL.

Madrazo, G., & Tippins, D. (1993, November). *Multicultural science education: Implications for teachers*. Invited presentation at the National Science Teachers Association, Denver regional convention, Denver, CO.

Dana, T., Dana, N., Tippins, D., Nichols, S., & Campbell, L. (1993, January). *Theory in qualitative research*. Paper presented at the annual Qualitative Research in Education Conference, Athens, GA.

Dana, N., Tippins, D., Meadows, L., Koballa, T., & Nichols, K. (1993, January). *Ethical conflict in teaching and learning: The dilemmas of research and practice*. Paper presented at the annual Qualitative Research in Education conference, Athens, GA.

Tippins, D. (1992, December). *Coming to the mirror: Critical reflection in science teaching*. Paper presented at the regional meeting of the National Science Teachers Association, Charlotte, NC.

Tippins, D., & Gallard, A. (1992, December). *Multicultural ways of knowing in science classrooms*. Paper presented at the regional meeting of the Association of Educators of Teachers of Science, Charlotte, NC.

Tippins, D. (1992, October). *Ethical decisions at the heart of science teaching: Reframing assessment dilemmas from a constructivist perspective*. Paper presented at the annual

meeting of the Georgia Educational Research Association, Decatur, GA.

Tippins, D. (1992, October). *How teachers translate theory into instruction: A study of group problem solving by prospective science teachers*. Paper presented at the annual meeting of the Georgia Educational Research Association, Decatur, GA.

Tippins, D. (1992, October). *Constructivism as a referent for project-centered learning in middle school science*. Paper presented at the annual meeting of the Georgia Association for Childhood Education International, Athens, GA.

Dana, T., Nichols, S., & Tippins, D. (1992, February). *Developmentally appropriate science activities to complement children's books*. Invited paper presentation and workshop for the Sixth Annual Capital City Developmental Education Symposium, Tallahassee, FL.

Jackson, P., Tippins, D. J., & Simmons, P. (1992, February). *Microcomputer infusion for student teachers in science: Dealing with the realities of constraints on technology in the classroom*. Paper presented at the annual meeting of the Southeastern Association of Educators of Teachers of Science, Wakulla Springs, FL.

Dana, N., Thomas, D., Tippins, D. J., Dana, T., & Kelsey, K. (1992, January). *Qualitative interviewing and the art of questioning: Promises, possibilities, problems, and pitfalls*. Paper presented at the annual Qualitative Research in Education Conference, Athens, GA.

Tobin, K., Tippins, D., Hook, K., & Dana, J. (1991, December). *Ethical dimensions of science teaching*. Paper presented at the regional meeting of the National Science Teachers Association, New Orleans, LA.

Kagan, D., & Tippins, D. J. (1991, October). *The evolution of functional lesson plans among twelve elementary and secondary student teachers*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, GA.

Tippins, D. J. (1991, October). *Helping novice teachers attend to student cues*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, GA.

Tippins, D. J., & Kagan, D. (1991, October). *Classroom cases as indirect gauges of professional growth*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, GA.

Tippins, D. J. (1991, January). *How teachers' classroom cases express their pedagogical beliefs*. Paper presented at the annual Qualitative Research in Education conference, Athens, GA.

I. Special Lectures (invited)

Tippins, D. (2012, April). *Sustainable science education: Creating a culture of mindfulness*. Invited presentation, CUNY Graduate School.

Tippins, D. (2012, March). *Teaching and learning through metaphor*. Invited presentation, Innovation 20/20 seminar, College of Education, University of Georgia, Athens, Georgia.

Tippins, D. (2009, March). *Where we live: Ecojustice and Schools everywhere*. Invited presentation, CUNY Graduate Center, Urban Science Education Research Seminar Series, New York: N.Y.

Tippins, D. (2008, April). *Legacies of Science Education Reform in the Philippines: Past, Present and Future*. Invited presentation at the Education Forum for Globalization on culture, Research and Teaching, Athens, Georgia.

Evans, M., Thomson, N. & Tippins, D. (2006, September). *A case study of water quality and recent advances in solar pasteurization in Kenya*. Presentation at the CLASP Faculty Development workshop, Georgia Center for Continuing Education, Athens, GA.

Tippins, D. (2006, May). *Trends and issues in education: Paradigms for service learning*. Invited address, Rotary Club of Antipdo City, Philippines.

Tippins, D. (2006, June). *A social justice model of service learning in science education*. Invited address, Rotary Club of Javo, Iloilo City, Philippines.

Tippins, D. (2006, July). *A distributed model of leadership in Filipino barangas: Some implications*. Invited address, Rotary Club of Iloilo City, Iloilo City, Philippines.

Tippins, D. (2006, August). *Keynote speaker; Rotary induction, A distributed model of leadership for the 21st Century*, keynote speaker, Rotary Club of West Iloilo, Induction ceremony, Iloilo City, Philippines.

Tippins, D. & Morano, L. (2006, June). *Developing a culture of excellence through qualitative research*. Ifugao State College of Agricultural and Forestry, Ifugao, Philippines.

Tippins, D. (2006, April). *Scholars from under represented groups and the academy: Necessities for success*. Invited keynote address, NARST Equity and Ethics committee pre-conference workshop, San Francisco, CA.

- Tippins, D. (2004, November). *Promotion and tenure: Strategies for documenting impact*. Presentation for the University of Texas, San Antonio, Fall Faculty Forum.
- Nichols, S. & Tippins, D. (2003, October). *The call of the budyong: Rethinking relationships of science education and local communities*. Presentation for the Georgia Science and Mathematics Professional Development Opportunities Conference.
- Tippins, D. (2002, September). *The Fulbright experience: A view from the Philippines*. Presentation for the COE International Seminar Series, University of Georgia, Athens, GA.
- Tippins, D. (2002, September). *The self-determination act and Indian education today*. Invited speaker, Health and Human Performance.
- Tippins, D. (2002, May). *Drawing on inspiration: Teacher education research for the 21st century*. Keynote address, Leyte Normal University, Tacloban, Philippines.
- Tippins, D. (2002, May). *Rising to the challenge in science education*. Keynote address, Project Rise Closing Ceremony, West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (2002, April). *Case-based pedagogy as professional development of elementary teachers*. Keynote address, Association of Elementary Teachers of the Philippines Biennial Conference, West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (2002, April). *Are we doing anything different? Transforming teacher education for the 21st century*. Keynote address, Northern Iloilo Polytechnic State College, Estancia, Philippines.
- Tippins, D. (2002, March). *Rethinking the engineering metaphor: Implications for teacher education research*. Keynote address, Third National Conference on Research in Teacher Education, University of the Philippines, Quezon City, Philippines.
- Tippins, D. (February 2002). *Reflections from a Fulbright Visiting Professor*. Key note address, PAEF Overview, A Glimpse into the Fulbright - PAEF Program, West Visayas State University Iloilo City Philippines.
- Tippins, D. (February 2002). *The theory of multiple intelligences*. Keynote address, Conference on Multiple Intelligences, West Visayas State University, Iloilo City, Philippine.
- Tippins, D. (February 2002). *Criteria for educational reform in the 21st century*. Plenary talk, Conference on Multiple Intelligences, West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (January 2002). *Bringing action to research*. Invited talk, Assumption Iloilo College, Iloilo City, Philippines.

- Tippins, D. (2002, January). *Giving action to research in response to the challenges of the 21st century*. Invited speaker, John B. Lacson Maritime College, Iloilo City, Philippines.
- Tippins, D. (2001, August). *Science enthusiast: Preserving environment through science and technology*. Inspirational keynote address for WVSU Science Days Celebration. West Visayas State University, Iloilo, Philippines.
- Tippins, D. (2001, October). *Creating a community-based science education*. Invited lecture, United Nations Year of Dialogue Among Civilizations, West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (2001, August). *Possibilities in qualitative research*. Invited lecture, Western Visayas School of Science and Technology, Iloilo, Philippines.
- Tippins, D., Morano, L. & Barcenal, T. (2001, October). *Science education for a sustainable future: Professional development workshop*. Casay Environmental Education and Indigenous Studies Center, Anini-y, Antique, Philippines.
- Tippins, D. (2001, September). *A celebration of family science*. Invited workshop, Science for Parents and Children Experiences (SPACE). West Visayas State University Integrated Laboratory School, Iloilo City, Philippines.
- Tippins, D. & Morano, L. (2001, December). *Creating meaningful science teaching and learning experiences for young children*. Invited three-day workshop, San Jose, Antique, Philippines.
- Tippins, D. (2001, August). *Envisioning the future through science and technology: A celebration*. Invited lecture, Western Visayas School of Science and Technology, Iloilo City, Philippines.
- Tippins, D. (2001, August). *Action research as methodology*. Invited lecture, College of Education, West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (2001, September). *Ina Ang Istorya Song Siyensiya: Post-production lecture*. West Visayas State University, Iloilo City, Philippines.
- Tippins, D. (2001, August). *Transforming education through action research*. Invited lecture, Assumption College, Iloilo City, Philippines.
- Tippins, D. (2001, October). *Celebrating the "first" Americans*. Invited lecture, United Nations Celebration day, Graciano Lopez Jaena Elementary School, La Paz, Philippines.
- Tippins, D. & Morano, L. (2001, November). *A celebration of international week: Hands-on science as practical work*. Invited workshop, Philippine American Education Foundation,

Makati City, Philippines.

- Tippins, D. (2001, November). *Portfolio making for community immersion*. Invited presentation, College of Education lecture-forum, West Visayas State University, Iloilo City, Philippines.
- Tippins, D. & Morano, L. (2001, October). *Excellence in the education of teachers: Practical inquiry on science teaching*. Invited presentation, Miriam College, Manila, Philippines.
- Tippins, D. & Bilbao, P. (2001). *Reflective practice through case-based pedagogy*. Invite workshop, WVSU Integrated Laboratory School, Iloilo City, Philippines.
- Tippins, D., Morano, L. & Fernando, T. (2001, September). *Practical work in elementary science*. Invited workshop, Roxas School District, Roxas City, Philippines.
- Tippins, D. (2001, March). *Science and math for the non-science major: The ambiguity of science for all*. Academic Affairs Faculty symposium, Unicoi, GA.
- Tippins, D., & Rasch, K. (2000, September). *Creating a standards-based portfolio culture for science teacher education*. NCATE/AACTE Professional Development Conference, Washington, D.C.
- Tippins, D., & Koballa, T. (1999, November). *Using case narratives to contextualize the teaching and learning process*. College of Education, The University of Georgia, Athens, GA.
- Tippins, D. (1999, September). *Themes and tensions in multicultural science education research: Part II*. College of Education, The University of Georgia, Athens, GA.
- Tippins, D. (1999, March). *Themes and tensions in multicultural science education research*. College of Education, The University of Georgia, Athens, GA.
- Riley, J., Tippins, D., & Reiff, J. (1998, October). *The case method*. West Visayas State University, Iloilo City, Philippines.
- Riley, J., Padilla, M., & Tippins, D. (1998, January). *Exploring alternatives in science teaching: The role of inquiry*. West Visayas State University, Iloilo City, the Philippines.
- Tippins, D., Riley, P. & Padilla, M. (1998, January). *Trends in science education research: A graduate symposium*. West Visayas State University, Iloilo City, the Philippines.
- Padilla, M., Riley, J. and Tippins, D. (1998, February). *Trends of National Science Education Standards in the United States*. Tsukuba University, Tsukuba, Japan.

- Tippins, D. (1997, September). *Dealing with student diversity: A workshop for graduate teaching /laboratory assistants*. Office of Instructional Development, University of Georgia, Athens, Georgia.
- Tippins, D., Sweeney, J. & Randolph, C. (1997, April). *Multicultural science education for all students: Exploring the possibilities of new strategies and techniques*. Invited speaker, National Science Teachers Association, New Orleans, LA.
- Tippins, D. (1996, November). *Addressing diversity in college science teaching and learning*. Invited speaker. Institute of Ecology, GSC 777 course.
- Madrazo, G., Tippins, D. Sweeney, J., Randolph, C., Lopez-Freeman, M., Haynie, C. & Lang, H. (1996, March). *Looking towards the year 2000: Strategies for addressing diversity*. Invited speaker. National Science Teachers Association, St. Louis, Mo.
- Tippins, D., & Nichols, S. (1996, February). *The science learning environment in perspective: Field experience*. Invited presentation at the Association of Teacher Educators convention, St. Louis, MO.
- Tippins, D. (1995, May). *Critical reflection in research on science teaching and learning*. Invited keynote speaker. Teacher Education Research Institute, Raleigh, NC. (with D. Ball and M. Simon).
- Lunetta, V., Dana, T., Atwater, M., MacKinnon, A., Rennie, L. & Tippins, D. (1995, April). *Science teacher education: Issues for a contemporary research agenda*. Invited speaker. National Association for Research in Science Teaching, San Francisco, CA.
- Barton, A., Hazelwood, C., Roth, K., Cavazos, L., Kurth, L., Smith, D., Tippins, D., & Nichols, S. (1995, April). *Exploring the role of self in science and science education: Feminist perspectives and women's stories*. Invited symposium participant, National Association for Research in Science Teaching, San Francisco, CA.
- Tippins, D. (1995, March). *Native Americans: Fostering cultural awareness*. Invited speaker. University of Georgia Residence Hall Association.
- Tippins, D. (1994, September). *Multicultural ways of knowing: Implications for the teaching and learning of science*. Invited keynote speaker, North Dakota Bilingual Education Conference, North Dakota Department of Public Instruction and the North Dakota Association of Bilingual Education, Bismarck, ND.
- Tippins, D. (1994, March). *New directions for science teacher education*. Invited panel participant, National Science Foundation/Florida Department of Education Spring Symposium, Orlando, FL.

- Tippins, D., & Gilmore, P. (1994, March). *Nurturing diversity in today's science classrooms*. Invited series of presentations at the National Science Foundation/Florida Department of Education Spring Symposium, Orlando, FL.
- Tippins, D. J. (1993, June). *Ways of knowing: Multicultural science education*. Invited presentation, Western Regional Program for Precollege Biological Science Education, Northern Arizona University, Flagstaff, AZ.
- Tippins, D. J. (1993, March). *Epistemological perspectives on science education for the learning disabled*. Invited presentation at the working Conference on Science for Persons with Disabilities, Kansas City, MO.
- Manera, E., Huling-Austin, L., Houston, R. W., Tippins, D. J., Reiman, A. J., Parramore, B. M., Rowley, J. B., Hart, P. M., & Johnson, L. N. (1993, February). *Teacher education yearbook I: Diversity and teaching*. Invited presentation at the annual meeting of the Association of Teacher Educators, Los Angeles, CA.
- Tippins, D. J. (1992, October). *The balance and integration of theory, practice, and research: Issues for new researchers*. Invited presentation, teaching associates program, The Program for Instructional Excellence, Florida State University, Tallahassee, FL.
- Tippins, D. J. (1992, February). *Pedagogy and science content knowledge: The twin dilemmas of elementary science*. Invited symposium presentation, College of Arts and Sciences, Florida State University, Tallahassee, FL.
- Tippins, D. J. (1992, February). *Alternative epistemologies in mathematics and science teacher education*. Invited presentation, State-of-the-Art Conference on Alternative Epistemologies in Education, Athens, GA.
- Tippins, D., & Gallard, a. (1992, February). *Becoming critical constructivist teacher researchers: the need for a critical system of meaning*. Invited presentation, Southeastern Association of Educators of Teachers of Science, Wakulla Springs, FL.
- Tippins, D. J. (1992, February). *Pedagogy and science content knowledge: The twin dilemmas of elementary science*. Invited symposium presentation, College of Arts and Sciences, Florida State University, Tallahassee, FL.

Tippins, D. J. (1992, February). *Alternative epistemologies in mathematics and science teacher education*. Invited presentation, State-of-the-Art Conference on Alternative Epistemologies in Education, Athens, GA.

Tippins, D., & Gallard, A. (1992, February). *Becoming critical constructivist teacher researchers: The need for a critical system of meaning*. Invited presentation, Southeastern Association of Educators of Teachers of Science, Wakulla Springs, FL.

j. Workshops and Training Sessions for Teachers and Teacher Educators

Tippins, D. (2013, October). Using theatre arts to explore sustainability. West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2013, June). *Engineering for children in the context of biology and ecology*. Workshop presented for Fulton, Hancock, Madison, and Clarke County Teachers, State Botanical Garden of Georgia.

Tippins, D. (2012, February). *Engineering and science in K-8 classrooms: Learning by design*. Workshop presented at De La Salle University, Lipa City, Philippines.

Tippins, D. (2012, April). *Recent trends in early childhood science education research*. Workshop for Thai Doctoral Scholars from Rajabhet Maha Sarakham University.

Tippins, D. (2012, May). *Exploring a research agenda for elementary science education*. Workshop presented for visiting Thai Scholar program, Athens, Georgia.

Tippins, D. (2012, June). *Inquiring into Georgia's water resources*. Workshop presented for Fulton and Cobb County Elementary Teachers, State Botanical Garden of Georgia.

Tippins, D. & Thomson, N. (2012, August). *Learning science through inquiry in local communities*. Workshop presented at the Philippines Association for Elementary and Secondary Science Education, West Visayas State University, Iloilo City, Philippines.

Tippins, D. (2012, September). *Nature principles for early childhood: Creating purposeful spaces and places*. Invited workshop, San Antonio, TX.

Tippins, D. (2011, June). *Local literacies: Explorations with plants*. Presentation at the Ethnobotany Program, State Botanical Garden of Georgia.

Tippins, D., Hoffman, C. & Shenk, A. (2011, June). *Growing up wild on Garden Earth*. Week long workshop for Fulton and Cobb County Elementary Teachers, Atlanta, Georgia.

- Tippins, D., Hoffman, C. & Shenk, A. (2010, June). *Growing up wild on garden Earth*. Week long workshop at Oconee RESA, Tennille, Georgia.
- Tippins, D. & Alexsaht-Snider, M. (2010, February). *Indigenizing science for pre-school and elementary classrooms in Mexico*. Workshop at Universidad Pedagogica Veracruzana, Mexico.
- Tippins, D. & Alexsaht-Snider, M. (2010, February). *Engaging teacher educators in rethinking culturally relevant science practice*. Workshop at Universidad Pedagogica Veracruzana, Orizabor, Mexico.
- Tippins, D. & Alexsaht-Snider, M. (2010, February). *Supporting PreK science specialists in science instruction for indigenous communities*. Workshop at Tequila Bilingual Indigenous School, Tequila, Mexico.
- Tippins, D. & Alexsaht-Snider, M. (February, 2010). *Teaching science in rural Mexican schools: Preparing future teachers*. Workshop at Benemerita Escuela Normal Veracruzana, Mexico.
- Tippins, D. & Alexsaht-Snider, M. (February 2010). *A community-based approach to science teaching and learning in multigrade classrooms*. Workshop at Mundo Nueva Multi grade Elementary School, Mexico.
- Tippins, D. & Alexsaht-Snider, M. (February 2010). *Innovations in Mexican science teaching and learning integrating and contextualizing across the curriculum*. Workshop at Nablincó Elementary School.
- Tippins, D. (2008, October). *Reclaiming a conversation for indigenous youth and communities*. Workshop at National Taitung University, Taitung, Taiwan.
- Tippins, D. (2008, October). *Using cases to localize science education*. Workshop at National Taitung University, Taitung, Taiwan.
- Tippins, D. (2008, October). *Culturally relevant pedagogy: the Catch-22 of science education*. Workshop at national Taitung University, Taitung, Taiwan.
- Tippins, D. (2006, August). *Inquiry based science teaching*. Intensive three-day workshop at Bikol University, Legaspi City, Philippines.
- Tippins, D. & Gelvezon, R. (2006, August). *Stepping outside our comfort zone: Inquiry-based science teaching*. Intensive three-day workshop at Santa Barbara Lepersarium.

- Tippins, D. (2006, July). *Insights into qualitative research*. Intensive five-day workshop series at Kasetsart University, Bangkok, Thailand.
- Tippins, D. (2006, May). *Inquiry in elementary science classrooms*. Presentation at the Thai Scholar Workshop in Science Education, Athens, Ga.
- Tippins, D. (2006, May). *Current trends and issues in science education*. Presentation at the Thai Scholar workshop in Science Education, Athens, Ga.
- Tippins, D., Butler, M. & Alexsaht-Snider, M. (2006, January). *Culturally responsive teaching*. Intensive workshop conducted for Georgia Southern University, Screven County School district and the Savannah River Challenge Program of the Georgia Department of Juvenile Justice, Statesboro, Georgia.
- Tippins, D. & Morano, L. (2005, December). *Addressing social justice through community-based science*. Intensive three-day workshop. Dao School System, District of Ahini-y, Antique, Philippines.
- Tippins, D., (2005, January). *Qualitative inquiry in science education*. Intensive five-day workshop series presented at Kasestart University, Bangkok, Thailand.
- Tippins, Morano, L. & Lopez, C., (2004, June). *Integrating the science curriculum through inquiry*. Workshop presented at Pavia Pilot School, Pavia, Philippines.
- Tippins, D., Morano, L., & Templora, V. (2004, June). *Creating a culturally relevant science curriculum*. Workshop presented at District of Carles Regional Training Center, Carles, Philippines.
- Tippins, D., Morano, L., Abaygar, I., Aranador, L., Pennecilla, G. (2004, June). *Taking action through research*. Workshop presented at District of Carles Regional Training Center, Carles, Philippines.
- Tippins, D., Morano, L. & Chan, M. (2004, June). *Inquiry in the elementary grades through design technology*. Workshop presented at Passi I District, Passi City, Philippines.
- Tippins, D., Morano, L., & Chan, M. (2004, June). *Community-based science teaching and learning*. Workshop presented at Julian Pueyo Primary, Cabatuan, Philippines.
- Tippins, D., Morano, L. & Chan, M. (2004, June). *Science inquiry in the Philippines context*. Workshop presented at Nabitasan District Office, Nabitasan, Philippines.

- Tippins, D., Butler, M., Lee, S., & Calkins, J. (2003, April). *Science inquiry through children's literature*. Workshop presented at the 34th annual conference on Children's Literature, Athens, Georgia.
- Tippins, D. (2001, November). *Developing naturalist intelligence through science in the schoolyard*. Workshop presented at the Conference on Multiple Intelligences, Iloilo City, Philippines.
- Nichols, S. & Tippins, D. (2000, July). *Making science fun: A workshop for practicing elementary teachers*. Workshop presented at the West Visayas State University Regional Science Teaching Center, Iloilo, Philippines.
- Nichols, S. & Tippins, D. (2000, July). *Learning within and about the environment: Going wild with nature*. Workshop presented at the West Visayas State University Regional Science Teaching Center, Iloilo, Philippines.
- Tippins, D. & Nichols, S. (2000, July). *Elementary science jamboree: A practical activity workshop*. Presented at the Region VII District Office, Bacolod, Negros Occidental, Philippines.
- Tippins, D., Page, H., Bergen, S., Quinn, N., & Lowery, B. (2000, April). *Making connections: Science across the curriculum*. Workshop presented at the National Science Teachers Association conference, Orlando, FL.
- Tippins, D., & Nichols, S. (1999, August). *Science teaching and learning as practical activity*. Workshop presented at Ateneo de Zamboanga University, Zamboanga, Mindanao, Philippines.
- Nichols, S., & Tippins, D. (1999, July). *The role of inquiry in science teaching and learning*. Workshop presented at the Institute for Science and Mathematics Education Development, University of Philippines, Quezon City, Philippines.
- Tippins, D., & Nichols, S. (1999, July). *Elementary science teaching and learning: Pedagogical innovations*. Workshop presented at West Visayas State University Regional Science Teaching Center, Iloilo City, Philippines.
- Nichols, S., & Tippins, D. (1999, July). *Elementary science for rural teachers*. Workshop presented at the Jordan Central School, Jordan, Guimaras, Philippines.
- Riley, J. Padilla, M., Bryan, L., Keys, C., Manabu, S., Tippins, D., Thomson, N., Mattheis, F. & Ikeda, I. (1999, March). *Does Japan's high science performance result from better prepared teachers?* Presented at the National Science Teachers Association, Boston, MA.
- Tippins, D., Nichols, S., & Dana, T. (1999, March). *Tools for science reflection: Elicit,*

- elaborate and evaluate student learning.* Presented at the National Science Teachers Association, Boston, MA.
- Veal, W. Tippins, & Nichols, S. (1998, April). *Moss dry, sunny sky: Weather folklore activities.* Presented at the National Science Teachers association, Las Vegas, NV.
- Veal, W., Tippins, D., & Nichols, S. (1997, November). *Moss dry, sunny sky: Weather folklore activities.* National Science Teachers Association, Denver, CO.
- Tippins, D., Nichols, S., & Wieseman, K. (1997, April). *Integrating science and social studies: After all, it's not such a small world.* National Science Teachers Association, New Orleans, LA.
- Doster, E., Tippins, D., Nichols, S., & Emory, A. (1997, April). *Gender equitable teaching defined: Encouraging teacher awareness and providing practical suggestions for implementing specific instructional strategies in science classrooms.* National Science Teachers Association, New Orleans, LA.
- French, D., Nichols, S., Dana, T. & Tippins, D. (1996, March). *A kaleidoscope of activities on color and light.* National Science Teachers Association, St. Louis, MO.
- Tippins, D., Koballa, T., Wieseman, K., Veal, W. (1995, December). *Considering students' naive conceptions of weather.* National Science Teachers Association, San Antonio, TX.
- Tippins, D. (1995, May). *Culturally relevant science in the elementary classroom.* Georgia TESOL spring conference, Athens, GA (sponsored session).
- Tippins, D., Nichols, S., Dana, T. & French, D. (1995, March). *Science attractions: Hands-on, minds-on activities using magnets.* National Science Teachers Association, Philadelphia, PA.
- Tippins, D., Crockett, D. & Rojeck, K. (1995, February). *The earth in balance: An environmental share-a-thon.* Georgia Science Teachers Association, Savannah, GA.
- Sweeney, J. K., & Tippins, D. (1994, December). *Passports to the world of science.* National Science Teachers Association, Las Vegas, NV.
- Tippins, D. (1994, December). *Exploring planet earth through hands-on, minds-on science.* North Dakota Bilingual Education Conference, Bismarck, ND.
- Lane, L., French, D., & Tippins, D. (1994, March). *Film canisters to the rescue!* National Science Teachers Association, Anaheim, CA.
- Tippins, D. J., & Pate, P. E. (1992, October). *Science across the curriculum: Integrating science and literature.* Georgia Association of Childhood Education International, Athens,

GA.

- Tippins, D. J., Rakow, S., & Gallard, A. (1992, March). *Strategies for teaching science to culturally diverse populations*. National Science Teachers Association, Boston, MA.
- Simmons, P., Tippins, D., McGinnis, R., & Thornton, R. (1992, February). *GA STEPS UP: Environmental problem solving for 6th-12th grade students*. Georgia Science Teachers Association, Atlanta, GA.
- Tippins, D. J., & McGinnis, R. (1992, February). *An oceanographic science cruise*. Georgia Science Teachers Association, Atlanta, GA.
- Tippins, D. J., Simmons, P., Jackson, D., & Parsons, S. (1991, November). *Environmental problem solving in secondary science*. National Science Teachers Association, Vancouver, BC.
- Guy, M., & Tippins, D. J. (1991, February). *Unlocking secrets of the earth*. Georgia Science Teachers Association, Columbus, OH.
- Pate, P. E., & Tippins, D. J. (1990, December). *Down to earth*. National Science Teachers Association, Washington, DC.
- Pate, P. E., & Tippins, D. J. (1990, November). *Integrating children's literature with science concepts using contracts*. National Science Teachers Association, San Juan.
- Pate, P. E., & Tippins, D. J. (1990, November). *Astronomy for the daylight hours*. National Science Teachers Association, San Juan.
- Tippins, D. J., & Pate, P. E. (1990, October). *Strategies for taking the darkness out of astronomy*. School Science and Mathematics Association, Cincinnati, OH.
- Tippins, D. J., & Pate, P. E. (1990, April). *A come as you are body party*. National Science Teachers Association, Atlanta, GA.
- Tippins, D. J. (1989, December). *Ocean notions*. National Science Teachers Association, Phoenix, AZ.
- Tippins, D. J. (1989, October). *Cooperative learning: A springboard to early science learning*. National Science Teachers Association, Tulsa, OK.

- Tippins, D. J. (1989, April). *Ocean notions*. National Science Teachers Association, Atlanta, GA.
- Tippins, D. J., & Pate, P. E. (1989, April). *This is my body???* Region VI Conference for the Advancement of Science Teaching, College Station, TX.
- Tippins, D. J. (1989, February). *Effective game strategies for science*. Metropolitan Area Teachers of Science, Houston, TX.
- Tippins, D. J., & Wilson, J. (1988, December). *Minibeasts: Children's literature, a springboard to science*. School Science and Mathematics Association, Austin, TX.
- Tippins, D. J. (1988, November). *Bring the ocean into your classroom*. National Science Teachers Association, Little Rock, AK.
- Tippins, D. J. (1988, October). *Games and simulations in science*. Science Teachers Association of Texas, Galveston, TX.
- Tippins, D. J., & Pate, P. E. (1988, October). *The art of science*. Science Teachers Association of Texas, Galveston, TX.
- Tippins, D. J. (1988, April). *Something's fishy!* National Science Teachers Association, St. Louis, MO.

4. PUBLIC SERVICE

a. Service to Regional Education Service Centers

(Note: Service to Regional Education Service Centers involved the presentation of all-day workshops.)

(1989, June). *Summer science institute for elementary teachers*. Region VI Summer Institute, Bryan, TX.

(1989, June). *Elementary science with fun*. Region XII Summer Institute, Waco, TX.

(1988, August). *Motivating the secondary science student*. Region VI Cluster Inservice, Navasota, TX.

(1988, August). *Science is a verb!* Region VI Cluster Inservice, Navasota, TX.

b. Service to School Districts

- Tippins, D. (2013). *Family Science and Literacy Night*. Malcolm Bridge Elementary School, Athens, Georgia
- Tippins, D. (2013,). *Georgia's Native American Connections to nature*. Oconee Primary School, Oconee, Georgia.
- Tippins, D. (2013). *Designing school gardents to foster science literacy*. High Shoals Elementary School, Athens, Georgia.
- Tippins, D. (2012). *Family Science and Literacy Night*, Malcolm Bridge Elementary School, Athens, Georgia.
- Tippins, D. (2011). *Family Science Night*, Malcolm Bridge Elementary School, Athens, Georgia.
- Tippins, D. (2010). *Native Americans in today's world*. Chase Street Elementary School, Athens, Georgia
- Tippins, D. & Pagan, T. (2009). *Energy and the Environment: Community Science Night*, Taliaferro County School, Crawfordville, Georgia.
- Tippins, D. (2009). *Living with Native American's yesterday and today*. Heritage Day, Oglethorpe Primary School.
- Tippins, D. & Parks, A. (2008, November). *Habitat Safari: Community Science Night*, Taliaferro County School Crawfordville, Georgia.
- Tippins, D. (2007, October) *Native science: Living relationships*, Fowler Drive Elementary School, Athens, Georgia.
- Tippins, D., Parks, A., Johnson, A. & Hodges, G. (2007, November). *The ABC's of science: Community science night*. Taliaferro County School, Crawfordville, Georgia
- Tippins, D. & Johnson, A. (2007, February). *A heart full of science: Community science night*. Taliaferro County School, Crawfordville, Georgia.
- Tippins, D. & Johnson, A. (2006, November). *'Stargazing on a 'Chili' night: Community science night*, Taliaferro County School, Crawfordville, Georgia.
- Tippins, D. (2006, August). *Engaging middle school students in authentic experience through inquiry*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, GA.

- Tippins, D. (2006, August). *Teaching geology and oceanography for K-8 classrooms: An inquiry approach*. Torrance Center for Gifted and Talented Visiting Korean Educators program, Athens, GA.
- Tippins, D., et al. (2006, March). *The Broad River estuary: Where the river meets the sea*. Workshop presented at the Athens Regional Children's Water Festival, Athens, GA.
- Tippins, D., et al. (2006, March). *Animal friends of the Broad River*. Workshop presented at the Athens Regional Children's Water Festival, Athens, GA.
- Tippins, D. (2005, October). *Inquiry approaches in K-8 science education*, Teachers Training Teachers, Visiting Siberian Teachers Program, Athens, GA.
- Tippins, D. (2005, August). *Teaching science as inquiry in the middle school*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, Georgia.
- Tippins, D. (2005, August). *Teaching science as inquiry: Hands-on oceanography for Pre-K-8 educators*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, Georgia.
- Tippins, D. (2005, August). *Teaching science as inquiry: Hands-on geology for Pre-K-8 educators*. Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, Georgia.
- Tippins, D. (2004). *Science for parents and educators of young children*, Clarke County School District Even-Start Program, two-day workshop.
- Tippins, D. (2004, October). *Science in the living world*, Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, Georgia.
- Tippins, D. (2003, August). Biology Workshop Facilitator, Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, Georgia.
- (2003, August). Geology Workshop Facilitator, Torrance Center for Gifted and Talented, Visiting Korean Educators Program, Athens, Georgia.
- (2003) Facilitator, *Family Science Nights*, Program for Young Children, Clarke County School District, Athens, Georgia.
- (2003) Instructor, *Ecology Science Camp*, Casay Environmental Center, Anini-y, Philippines.
- (2002) *Air, water, and land: Exploring the environment through practical activity*.

Professional development workshop, Casay Elementary School, Anini-y, Antique, Philippines.

(2002) *Making science meaningful: A curriculum integration approach*. Student teacher workshop, West Visayas Integrated Laboratory School, Iloilo City, Philippines.

(2002) *National trainer*, Rescue Initiative in Science Education (Project RISE). West Visayas State University, Iloilo City, Philippines.

(2002) *The practical work approach in elementary science. Professional development workshop*, Rojas City Schools, Rojas City, Philippines.

(2000) *Bottle biology: Exploring ecosystems*. Whitehead Elementary School, Athens, Georgia.

(2000) *Learn and service recycling project: Reduce, reuse, recycle*: A professional development workshop. South Jackson Elementary School, Jacksonville, Georgia.

(1999) *Inquiry for elementary science*. Gaines Elementary School, Athens, Georgia.

(1998) *Lessons from the Earth: What the Native Americans gave us*. Kennedy Elementary School, Winder, Georgia; Fowler Drive Elementary School, Athens, Georgia.

(1998) *Soaring in Science Day*, Holsenbeck Elementary School, Winder, Georgia.

(1998) Science fair judge, Winterville Elementary School, Athens, Georgia.

(1997) *Lessons from the Earth: What the Native Americans gave us*. Fowler Drive Elementary School, Athens, Georgia.

(1997) *Operation Physics: Integrating science across the curriculum*, Glenn Hills School, Augusta, Georgia.

(1997) *Earth's caretakers: Native American environmental lessons*. County Line Elementary School, Winder, Georgia.

(1997) Review panel, College of Education/Clarke County School District Academic Achievement mini-grant competition, CCSD District Office.

(1997-1999) *Martin Luther King Jr., Community Service Project*, Barnett Shoals Elementary School, Athens, GA.

(1996) *Science in the school butterfly garden*. Statham Elementary School, Statham, GA.

(1996) *Crossing borders between language and science: A science workshop for ESOL teachers*, Gwinnett County School District, Gwinnett, GA.

(1995) *Spooktacular physical science*. Statham Elementary School, Statham, GA.

(1994-1996). Member, Science Dream Team, Athens-Clarke County School District, Athens, GA.

(1991-1993). Consultant for Karl Hook's NSTA Tapestry Grant Program, Florida High School, Tallahassee, FL.

(1990, December). *Hands-on science*, K-2 After-School Science Program, St. Joseph Catholic School, Anderson, SC.

(1990, August). *Science across the curriculum*. Calhoun Elementary School, Arlington, GA.

(1990, August). *Celebrating science Georgia style: Seeing and doing science*. Calhoun Elementary School, Arlington, GA.

(1990, February). *Science and social studies, a natural pair*. Toccoa High School, Toccoa, GA.

(1990, January). *Investigating careers in oceanography through manipulative science*. Lakeside Middle School, Anderson, SC.

(1989, November). *Cultural relevancy in elementary science*. Northside Elementary School, Seneca, SC.

(1989, November). *Native American perceptions of Anglo misconceptions*. Oakway Elementary School, Oakway, SC.

(1987, June). *Hurricane tracking*. Cypress Fairbanks School District, Cypress Fair, TX.

c. Service to Other Universities

(2014, May). External Reviewer, promotion, New York University, Steinhardt School of Education, Culture and Human Development.

(2012-2014). Member, Research Advisory Board, STEM Communities of Alaska's Professionals and Educators.

(2013, September). External reviewer, promotion, State Botanical Garden of Georgia.

- (2013, August). External reviewer, promotion and tenure, Temple University.
- (2013, August). External Dissertation Examiner, National Institute of Education, Singapore.
- (2013, July). External reviewer, promotion, University of Kentucky.
- (2013, June). External reviewer, tenure and promotion, Arizona State University.
- (2013, March). External reviewer, promotion, University of the West Indies.
- (2013, May). External reviewer, promotion, Virginia Technological Univeristy.
- (2012, September). External reviewer, tenure and promotion, Indiana State University.
- (2012, September). External reviewer, promotion, University of Massachusetts.
- (2012, June). External reviewer, tenure and promotion, Ohio State University.
- (2012, May). External reviewer, tenure and promotion, Brooklyn College.
- (2012, May). External reviewer, tenure and promotion, Indiana University.
- (2012-May). External reviewer, tenure and promotion, New York University.
- (2011-current). Member, League of Extraordinary Educators Advisory Board, Level Up Learning.
- (2011, September). External reviewer, tenure and promotion, University of Arizona.
- (2011, July). External reviewer, tenure and promotion, National Institute of Education, Singapore.
- (2011, August). External reviewer, promotion, Wayne State University.
- (2011, May). External Evaluator, Tier 1 Appointment of Dawn Sutherland as Canadian chair of Indigenous Science Education, University of Winnipeg and University of Manitoba.

(2011, June). External Reviewer, tenure and promotion, Virginia Technological University.

(2010, November). External dissertation examiner, National Institute of Education, Singapore.

(2010-current). Member, Research Advisory Board, *A cross-generational analysis of the public understanding of science: Exploring the enactment of science in the social life of New York City*. (City University of New York, NSF, pending).

(2010-current). Member, Research Advisory Board, *Charting the Landscape and Transforming the Emotional Climate of Urban Science and Mathematics Education*, (City University of New York/NSF, pending).

(2010, September). External reviewer, promotion and tenure, National Institute of Education, Singapore.

(2010, September). External reviewer, promotion, Michigan State University.

(2010, June). External reviewer, Staten Island College, CUNY, New York.

(2010, April). External reviewer, promotion, City University of New York.

(2010, January). External reviewer, promotion and tenure, University of California, Santa Cruz, Santa Cruz, California.

(2010, January). External reviewer, tenure and promotion, Stanford University.

(2009, July). External reviewer, tenure and promotion, University of Texas at San Antonio.

(2009, September). External Reviewer, dissertation examiner, University of Toronto.

(2009, September). External reviewer, tenure, Illinois Institute of Science and Technology.

(2009, October). External reviewer dissertation examiner, Curtin University of Science and Technology.

(2009, September). External reviewer, promotion, Pennsylvania State University.

(2009, July). External reviewer, tenure and promotion, Curtin University of Science and Technology, Perth, Western Australia.

(2009, September). External reviewer, tenure and promotion, University of Minnesota.

(2009, August). External reviewer, tenure and promotion, University of Cincinnati.

(2009, August). External reviewer, tenure and promotion, Brooklyn College, The City University of New York.

(2009, August). External reviewer, promotion, Illinois Institute of Technology.

(2009, September). External Reviewer, tenure and promotion, Georgia State University.

(2009, March). External Reviewer, tenure and promotion, Brooklyn College, City University of New York (CUNY).

(2008, June). External Reviewer, tenure and promotion. Auburn University.

(2008, August). External Reviewer, tenure and promotion. Ohio State University.

(2008, August). External Reviewer, tenure and promotion, University of South Florida.

(2008, September). External Reviewer, tenure and promotion, New York University.

(2008, September). External Reviewer, tenure and promotion, Queen's University, Canada.

(2008, May). External Reviewer, tenure and promotion, University of North Carolina, Chapel Hill.

(2008, May). External Reviewer, tenure and promotion, Australian Catholic University.

(2007, October). External Reviewer, tenure and promotion, New York University.

(2007, September). External Reviewer, tenure and promotion, University of Pittsburgh.

(2007, September). External Reviewer, promotion, University of Illinois at Urbana-Champaign.

(2007, September). External Reviewer, tenure and promotion, University of Connecticut.

(2007, May). Head judge, Science Investigatory Project Congress, Commission on Higher Education of the Philippines.

(2007-2008). Faculty facilitator, Ties Teacher Training Project: A Mexico-USA Higher Education Partnership to Improve Science, English and Mathematics Pedagogy. U.S.

Agency for International Development Training, Internship, Exchanges and Scholarship (TIES) Program.

(2006, May). External reviewer, tenure and promotion, University of North Carolina, Chapel Hill.

(2006, August). External reviewer, tenure and promotion, University of North Carolina, Greensboro.

(2006, September). External reviewer, promotion, University of Delaware.

(2005, November). External reviewer, tenure and promotion, University of Florida.

(2005, November). External reviewer, tenure and promotion, George Mason University.

(2005, October). External dissertation examiner, Curtin University of Science and Technology.

(2005, September). External reviewer, tenure and promotion, University of Alabama.

(2003, February). External reviewer, Practice Professor of Education, Graduate School, The University of Pennsylvania.

(2002, October). External reviewer, tenure and promotion, University of Massachusetts, Amhurst, MA.

(2002, September). External reviewer, tenure and promotion, University of Minnesota, Minneapolis, MN.

(2002, July). External reviewer, tenure and promotion, University of Central Florida, Orlando, Florida.

(2002, June). External reviewer, endowed chair promotion, Curtin University of Science and Technology, Perth, Western Australia.

(2001, November). External reviewer, tenure and promotion. Cornell University, Ithaca, New York.

(2001, August). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.

(2001, August). External reviewer, tenure and promotion. New Mexico State University, Las Cruces, New Mexico.

- (2001, July). External dissertation thesis examine. Curtin University of Science and Technology, Perth, Western Australia.
- (2001, July). External reviewer, tenure and promotion, Oakland University, Rochester, Michigan.
- (2001, June). External reviewer, tenure and promotion. Australian Catholic University, Dickson, ACT, Signadou Campus, Australia.
- (2001, June). External reviewer, tenure and promotion. Australian Catholic University, Perth, Western Australia.
- (2000, June). External reviewer, tenure and promotion. University of Texas, Austin, Texas.
- (1999, September). External reviewer, tenure and promotion. Queens University, Kingston, Ontario.
- (1999, September). External reviewer, tenure and promotion. New Mexico State University, Las Cruces, New Mexico.
- (1999, September). External reviewer, tenure and promotion, East Carolina University, Greenville, North Carolina.
- (1999, July). External dissertation examiner, Curtin University of Science and Technology, Perth, Western Australia.
- (1998, October). External evaluator, *In-house research and review of the College of Arts and Sciences*. West Visayas State University, Iloilo City, the Philippines.
- (1998, January/February). External consultant, *Collaborative research on the education of science teachers*. West Visayas State University, Iloilo City, the Philippines.
- (1998, February). External consultant. *Exploring science education research collaboratives*. The University of the Philippines, Science Teacher Training Center, Quezon City, the Philippines.
- (1998, January). External reviewer, tenure and promotion, University of New Mexico, Albuquerque, NM
- (1997, December), External reviewer, tenure and promotion, University of West Florida, Pensacola, FL.
- (1995, July). Institute director, *Teaching meaningful primary science: Diverse*

approaches. Curtin University of Science and Technology, Perth, Western Australia.

(1991-1993). External evaluator, NSF funded project, Florida State University, Tallahassee, FL.

(1989, June). Science Exceleation-Earth Science component, University of Houston at Victoria, Victoria, TX.

(1988, August). *Super ocean seminar for middle school students*. Sea Grant Program, Texas A&M University, College Station, TX.

d. Service to State, National and International Organizations

(2010, December). External grant evaluator. National Institute of Education, Division of Natural Science, Singapore.

(2010). Madares Al Ghad International Evaluation Project, Ministry of Education, United Arab Emirates

(2010). Technical consultant, Walt Disney World, Educational Game Design.

(2009 - present). Advisory Board, State Botanical Garden of Georgia, Children's Garden.

(2005). Professional network reviewer. Partnership for Reform in Science and Mathematics.

(2004). Professional network reviewer, Partnership for Reform in Science and Mathematics.

(2004). Faculty judge, graduate student research symposium, Athens, Ga.

(2003 - present). Member, organizing committee for Northeast Georgia PRISM grant, Athens, GA.

(1996-1997). External evaluator, Science Education Standards Commission, Florida Department of Education, Tallahassee, FL.

(1995-1996). Technical consultant for Kids Play, An Inside Peek, Circulation and Respiration.

(1995, March/June). Consultant for Exxon in the evaluation of the Exxon Energy Cube. (with M. Padilla and K. Wieseman).

(1994, September). Technical consultant for curriculum development, Bismarck Public

School, Title VII Bilingual Education Program.

(1993-1996). Consultant to the state-wide task force on environmental literacy, Atlanta, GA.

(1992-1993). Consultant for the American Institutes for Research, NSF funded project. Coordinated pilot testing of curriculum materials for K-12 science teachers (with P. E. Pate).

(1990, August). National Wildlife Federation Conversation Summit Faculty, Bellingham, WA.

5. OTHER SERVICE

a. Service to the Profession

Referee for professional journals:

International Journal of Mathematics and Science Education, 2012-.

Journal of Higher Education Outreach and Engagement, 2009-2010.

Journal of Elementary Science Education, 2008-2011, 2011-2014.

Journal of Science Teacher Education, 2009-

Journal of Research in Childhood Education, 2007-2008.

Teaching Education, 2006-2007

Asia Pacific Journal of Education, 2005-2006, 2009-2012.

Science Education, 2005-2006.

Journal of Research in Science Teaching, 2001-2004, special issues.

Journal of Research in Science Teaching, 1996-1999.

Research in Science Education, 1995-1998.

Action in Teacher Education, 1994-1997.

Georgia Science Teacher, 1993-1996.

The Journal of Teacher Education, 1993-1996.

International Journal of Science Education, 1992-1995.

Journal of College Science Teaching, book review section, 1992-present.

Reading Research Quarterly, 1992-1994.

The Science Teacher, 1988-present.

Referee or member of advisory panel for federal, state, or private agencies awarding research, development, training, or service grants:

Reviewer, College of Reviewers, Canada Research Chairs Program, 2011, 2012.

Evaluator, Canadian Office of Education Research, Innovation Research Program, 2008.

Proposal Review Panel, Title II, Park A, Teacher Quality Program, Department of Education, 2008.

Comparative Monitor of Tertiary Education, *Commission on Higher Education*, Manila, Philippines, 2006.

Paper Review Panel, EISTA Program, Manila, Philippines, 2006.

Proposal review panel, *National Science Foundation*, Teacher Professional Continuum, 2005.

Proposal reviewer, Department of Education, *Teacher Quality Program*, 2004.

National review panel, *Philippine American Education Foundation*, 2002, Cebu City and Manila, Philippines.

Proposal ad hoc review, *National Science Foundation*, Urban Systemic Initiative, 1999.

Proposal review panel, *National Institute of Health*, Microbiological and immunocological sciences special emphasis panel on aids and related research, Chevy Chase, MD, December 1997.

Proposal review panel, *National Institute of Health*, Microbiological and immunological sciences special emphasis panel on aids and related research, Chevy Chase, MD, 1997.

Reviewer, *National Board for Professional Teaching Standards*, Middle Childhood Science, 1997.

Proposal review panel, *National Institute of Health*, Special Emphasis Panel on Science Education and Developmental Disabilities, Washington, D.C., 1996.

External evaluator, Research Grants Program, *Social Science and Humanities Council of Canada*, 1996.

Proposal review panel, *National Science Foundation*, Teacher Preparation and Enhancement, Washington, DC, 1994.

Proposal review panel, *Eisenhower Act for the Improvement of Mathematics and Science Education*, Athens, GA, 1994, 1996.

Proposal review panel, *National Science Foundation*, Teacher Preparation and Enhancement, Washington, DC, 1992.

Proposal review panel, *National Institute of Health*, ADAMHA Science Education

Partnership Award, Washington, DC, 1991.

Proposal review panel, *National Science Foundation*, Teacher Enhancement Program, Washington, DC, 1990.

Editorial service for publishing companies:

Book reviewer for Sage Publications, *Conducting a Systematic and Comprehensive Literature Review: The Mixed Methods Approach*, 2013.

Book reviewer for Houghton Mifflin, *Science Stories: Science methods for elementary and middle school teachers* (4th edition), 2008.

Book reviewer, ASTE, *Women's Experience in Leadership in K-16 Science Education Communities: Becoming and Being*, 2008.

Book review for Corwin Press, *Performance-based curriculum for science: From knowing to showing*, 2007.

Book reviewer, University of Georgia Press, *And the Tide Comes In*, 2007.

Book series reviewer for Kluwer Publishing Company, *Bold visions: Innovations in Educational Research*, 2004.

Book reviewer for Pearson Merrill Prentice Hall, *The National Science Education Standards*, 2004.

Book reviewer for Houghton Mifflin Company, *Science Stories: Teachers and children as science learners*, 1997.

Book reviewer for Longman Publishing Group, *Methods of teaching secondary science*, 1994.

Book reviewer for Addison-Wesley Publishing Co., *Destinations*, 1993.

Book reviewer for Teachers College Press, *Constructivism: Foundations, perspectives, and practice*, 1993.

Book reviewer for State University of New York Press (SUNY), *Activity-based science for children: An international study*, 1993.

Book reviewer for Wadsworth Publishing Company, *Science teaching and the development of thinking*, 1992.

Sessions organized or chaired at professional meetings:

Thinking like a teacher...a conversation on considering the professional development of science teacher educators within a climate of reform. Symposium organizer for the annual meeting of the Association of Educators of Teachers of Science (with J. Staver, S. Abell, D. Jackson, S. Nichols, W. Veal, K. Wieseman), January 1997.

Alternative assessment in the preparation of teachers. Professional clinic organizer for the annual meeting of the Association of Teacher Educators, Los Angeles (with T. Dana & N. Dana), February 1993.

Meeting diverse needs: Implementation of the case study approach in teacher education. Professional clinic organizer for the annual meeting of the Association of Teacher Educators, Los Angeles (with D. Floyd, N. Dana, & D. Thomas), February 1993.

Teacher learning and teacher change: Epistemological dimensions for reconceptualizing teacher education. Professional clinic organizer for the annual meeting of the Association of Teacher Educators, Orlando (with T. Dana), February 1992.

Referee of proposals for national organizations:

Proposal reviewer, Association of Science Teacher Education, Innovations in Science Teacher Education committee, 2007-2008, 2009-2010.

Proposal reviewer, National Association for Research in Science Teaching, Pre-conference Workshops, 2003-2004.

Proposal reviewer, National Association for Research in Science Teaching, Curriculum and Evaluation Strand, 1996.

Proposal reviewer, Qualitative Research in Education Conference, 1996.

Proposal reviewer, AERA Division C, Section 3: Science learning and instruction, 1994-1995.

Proposal reviewer, National Association for Research in Science Teaching, Teacher Education Strand, 1993, 1994.

Proposal reviewer, AERA Division K, Section 7: Research issues in teaching and teacher education, 1992.

Proposal reviewer, AERA Constructivist Theory, Research, and Practice SIG, 1992.

Professional associations and activities:

American Educational Research Association

Member, Committee on the Freedom on Inquiry and Human Rights, 1993-1996.

Association of Science Teacher Education

Member, Financial Oversight Committee, 2012-2014.

Chair, Membership Committee, 2007-2011.

Regional Director, International Education, 2007-2011.

Chair, Committee on Regional Affiliations, 2010-2011.

Member, Adhoc Committee on International Education, 2005-2007.

Co-Chair, Annual Conference, Southeastern Regional AETS Association, 1999, 2005.

Chairperson, Awards Committee, 1998-2001.

Elected Member and Director at Large, Board of Directors, 1998-2001; 2008-2011

Chairperson, Middle School Science Committee, 1997-1999.

Member, Elections Committee, 1992-1994.

Member, Committee on Professional Development for Science Teacher Educators, 1995-1997.

National Association for Research in Science Teaching

Co-chair, Environmental Education Strand, 2013-2014.

Mentor, NARST Professional Development Position Paper Writing Team, 2013-2014
(with J. Gess-Newsome & E. Banilower).

Mentor, Mentor/Mentee Program, 2012

Member, External Policy and Relations Committee, 2011-2014.

Member, Doctoral Dissertation Awards Committee, 1993-1995, 1999-2001, co-chair; 2007-2009.

Member, Policy Committee, 2001-2002.

Program Co-chair, 1996, Annual Convention, 1995-1996.

Member, Committee on Research, 1994-1997, 2002-2005.

Member, Early Career Research Award Committee, 1994-1997.

Member, Program at NSTA Meetings Committee, 1993-1994.

Member, Program Committee, 1992-1994.

Member, Outstanding Paper Awards Committee, 1991-1993.

Co-chair, NARST Teacher Education Strand, 1994-1995.

Cultural Studies in Science Education
Chair, Best Paper Award, 2014-2015

National Marine Educators Association
Member, Research Committee, 1989-1991.

National Middle Level Science Teachers Association
Member, Committee on Preservice Teacher Education, 1992-present.

National Science Teachers Association
Member Science Teaching Materials and Resources
Review Committee, 1994-1995, 1996-1997.
Member, Planning Committee, 1995 Philadelphia National convention, 1993-1995.
Chairperson, Research Committee, 1993-1996.
Member, Committee on Multicultural Science Education, National Science Teachers Association, 1992-1995.
Member, Special Education Advisory Board, National Science Teachers Association, 1991-1994, 1996-1997.

Southeastern Association of Science Teacher Educators
Member, Constitutional Review Committee, 2011-2012.
Member, By-laws Review Committee; 2011-2013
Program Committee, 2011
President, 1989-2000

Qualitative Research in Education
Chairperson, Special Speakers Committee, 1991-1992.
Member, Steering Committee, Qualitative Interest Group, 2005-2006.

School Science and Mathematics Association
Member, Publications Committee, 1992-1995.

Science Teachers Association of Texas
Member, Archives Committee, 1987-1988.

Southeastern Consortium for Minorities in Engineering and Science
Member, Planning Committee, 1991.

Other service to the profession:

Chair, Best Journal Paper Award Committee, CCSE, 2013.

Curriculum Review Committee, Clarke County School District, 2003-2004.

Course Development Consultant, Keystone Project: Ecology 8990–Exploring Ecological Concepts in K-8 Classrooms, 2001.

Faculty Judge, College of Education/Clarke County Mini-grant Program, 1997.

National Judging Team, NSTA-Toshiba Exploravision, 1994, 1996.

Invited Participant, AETS Mission Conference, Denver, CO, 1993.

Reader, Georgia Junior Academy of Sciences Bowl, Athens, GA, 1991-1992, 1994, 1995.

Proposal Evaluator, Georgia Science and Humanities Symposium, 1991-1993, 1995.

b. Service to The University of Georgia

University:

Reviewer, Curriculum Integration Grants Program, 2011-2012

Review Panel, Foreign Travel Assistance Program, 2009-2012; 2012-2015.

Minority Faculty Mentoring Program, 2005

Literacy Faculty (Co-chair with Michelle Simpson and Ron Keiffer), 1990-1991.

Mentor in the TIPS Program, Office of Instructional Development, 1991-1992,
1997-1998

University Council (alternate), 1997-1998.

College of Education:

College of Education, Dean's Council on Diversity, 2014-2015

College of Education Curriculum Committee, 2010-2012

Promotion and Tenure Committee, 2004-2006, 2009-2011

Interdisciplinary Qualitative Studies Advisory Program, 2008, 2009, 2010, 2011, 2012

Torrance Endowed Professorship Search Committee, 2007-2008

Career Track Promotion Ad Hoc Committee, 2007-2008

International Education Task Force, 2007-2008

Senior Faculty Focus Group, 2004-

PRISM Planning Committee, 2003-2004

G-Step Early Experiences Committee, 2002-2003

Dean's Forum, 2000-2001, 2002-2003, 2003-2004

Faculty Advisor, Student Professional Association of Georgia Educators, (SPAGE),
1999-2001.

Multicultural Task Force, 1995-2001

Beta Group on Co-reform, 1998-

Service Learning Taskforce, 1998 -

Faculty Senate, 1996-1998, 2002-2003

Council, Alternate, 1997-1998

PSI Think Tank, 1997

Research Office Advisory Committee, 1995-1996, 1999-2001

Graduate Faculty Appointments and Reappointments Committee, 1994-1996; Chair, 1996

Graduate Courses and Programs Committee, Chair, 1991-1993

School of Teacher Education:

Coca-Cola Alternative Teacher Education Program, 1992-1995.

Early Childhood Advisory Council, 1991-1993.

Department of Mathematics and Science Education:

Post-tenure Review Committee, Dr. Norman Thomson, 2012.

Science Education Awards Committee, 2012.

Chair, Graduate Admissions Committee, 2012.

Personnel and Professional Development Committee, 2012.

Science Education Graduate Program Committee, 2012, 2013-2014.

Science Education Search Committee, 2011.

Graduate Admissions Committee, Science Education, 2010-2012, 2013-2014.

Faculty Mentoring Committee, Dr. Michael Mueller, 2008-2011

Chair, Third Year Review Committee for Dr. Mike Mueller, 2009-2010.

Post-tenure Review Committee for Dr. Thomas Koballa, 2009.

Post-tenure Review Committee for Dr. Mary Atwater, 2009.

Mathematics and Science Education, Resources and Technology Committee, 2009-2010.

Mathematics and Science Education, Graduate Program Committee, 2008-2010.

Mathematics and Science Education Executive Committee, 2008-2009.

Science Education Search Committee, 2007-2009.

Post-Tenure Review Committee for Dr. Norman Thomson, 2007.

Science Education Search Committee, 2007-2008.

Secondary Program Committee, 2007, 2008.

Doctoral Program Committee, 2006-2007.

Elementary Program Committee, 2006-2007.

Mathematics and Science Education Professional Development Committee, 2006-2007.

Post-tenure Review Committee for Dr. Mary Atwater, 2004.

Secondary Science Education Search Committee, 2003, 2004, 2005.

Elementary Program Head, 1997-1998, 1998-1999, 1999-2001, 2002-2003, 2003-2004.

Master's Program Committee, 1998-1999.

Recruitment Committee, 1998-1999.

Post-tenure Review Committee for Dr. Diane Brooks-Napier, 2002.

Post-tenure Review Committee for Dr. Steve Oliver, 2001.

Post-tenure review committee for Dr. Elizabeth Pate, 2001.

Post-tenure Review Committee for Dr. John Hoge, 2000.

Post-tenure Review Committee for Dr. Mary Atwater, 1999.

Post-tenure Review Committee for Dr. Michael Padilla, 1998.
 Post-tenure Review Committee for Dr. Russell Yeany, 1997.
 Hospitality Committee, Chair, 1997-1998, 2003-2004.
 Ed.S. Committee, 1997-1998.
 Technology Committee, 1995-1997, 1998.
 Doctoral Planning Committee, 1994-1995; Chair, 1995, 1996-1997.
 Multicultural Committee, 1994-1995; Chair, 1996, Chair, 2002-2003.
 Middle School Program Committee, 1994-1995.
 Graduate Screening Committee, 1992-1993, 1996-1997.
 Awards Committee, 1991-1993, 2002-2003, 2005-2006.
 Colloquium/Seminar Committee, 1991-1992.
 Master's Comprehensive Examination Committee, 1990-present.
 Master's and Specialist Screening Committee, 1990-1991.
 Graduate Courses and Programs Committee, 1990-1991.

Department of Elementary Education:

Faculty Mentoring Committee, Dr. Ajay Sharma, 2008-2011.
 Elementary and Social Studies Education Department Head Search Committee, 2009.
 Promotion and Tenure Bylaws Committee, 2008-2009.
 Early Childhood Education Doctoral Committee, 2008-2009.
 Elementary and Social Studies Education Scholarship and Student Awards Committee, 2008-2009-2010.
 Elementary and Social Studies Education Diversity committee, 2006-2008.
 Elementary and Social Studies Education Infrastructure Committee, 2006-2007.
 Third Year Review Committee for Dr. Cheryl Fields-Smith, 2007.
 Elementary and Social Studies Education Department Head Search Committee, 2004-2005.
 Chair, Post-tenure review committee for Dr. John Napier, 2004-2005.
 Elementary and Social Studies Education Diversity Committee, 2006-2008.
 Elementary Education Graduate Admissions and Appeals Committee, 2003-2004.
 Sue Cromartie Fund Committee, 2004-2006.
 Early Childhood PreK-Grade 2 Emphasis Admissions Committee, 2004-2006.
 Elementary Education Search Committee, 2001.
 Faculty Senate, 2003.
 Awards Committee, 1999-2000.
 Graduate Assistant Selection Committee, 1998-1999.
 Convocation Reader, 1998.
 Early Childhood Graduate Program Committee, 1998-1999.
 Exit Exam Substance Committee, 1997-1998.
 Exit Examination Reading Committee, 1996-1997, 2002-2003.
 Graduate Student Recruitment and Retention Committee, 1996-1997, 1997-1998.
 Early Childhood Search Committee, 1996, 1997.
 Awards Committee, 1994-1995.
 Scholarship Committee, 1993-1994, 1996.

Middle School Search Committee, 1991-1992.

Master's Comprehensive Examination Committee, 1996

Department of Mathematics and Science Education Professional Development Committee,
2006-2007.

c. Service to Texas A&M University

Program Director, Rural Elementary Science Improvement Project, 1988-1989.

Principal Supervisor, Alternative Certification Program for Science and Math, 1987-1988.

Moderator, Women in Science Symposium, 1987.

Facilitator, Science, Technology, and Youth Symposium, 1987.