

Steven Robert J. Rogg, Ph.D.

Curriculum Vita

<https://steverogg.academia.edu>

	<u>Home</u>	<u>Office</u>
Address:	60 Fairfield Rd. Lindenhurst, IL 60046.8871	Coherent Learning Design https://www.coherentlearning.net/
Phone:	312.282.1578 (cell)	(262) 671-0062
Email:	Cogitate2Learn@gmail.com	SRogg@CoherentLearning.net

PROFESSIONAL EDUCATION

Ph.D. Curriculum and Instruction, Biology Education (12/15/1990). Purdue University, School of Education. West Lafayette, Indiana.
M.S. Math-Science Education (08/07/1988). Purdue University; School of Humanities, Social Sciences, and Education. West Lafayette, Indiana.
Professional Educator License: Secondary Biology and Secondary Mathematics
Indiana Department of Education: [SPN 11737344](#) (05/11/1990-07/25/2024)
Wisconsin Department of Public Instruction: Entity #865464 (07/01/2020-06/30/2023)
B.S. Electrical Engineering: Biomedical Engineering option (05/19/1985). Purdue University, School of Electrical Engineering. West Lafayette, Indiana.
Engineering Intern, Indiana Engineer Board #ET00086222 (active).

BIOGRAPHY

Steven R. Rogg's professional contributions advance coherent STEM education through professional learning, curriculum and program design, collaborative research, and responsive program evaluation. Dr. Rogg has taught advanced high school science and student research, undergraduate and graduate courses in science teacher education, curriculum/program evaluation, and research methods. He has conducted research on formal and informal learning environments, systemic reform, educational excellence, curriculum alignment with national standards, and students' experiences of STEM education. Dr. Rogg has led innovative program design, implementation, and evaluation at exceptional schools: Gwendolyn Brooks College Preparatory Academy (ranked # 8 in Illinois), the Princeton International School of Mathematics and Science (PRISMS), and the nationally ranked Illinois Mathematics and Science Academy (IMSA); and has served on the faculties of the University of Maine, Miami University, DePaul University, Aurora University and Carthage College. Dr. Rogg provided leadership for large scale systemic reform initiatives: The Beacon College Initiative in Maine, and Ohio's NSF State Systemic Initiative. Professionally active, he has presented at local, national, and international events. Dr. Rogg earned the Ph.D. in Curriculum and Instruction-Biology Education from Purdue University, the Master of Science degree in math-science education, teaching certification for biology and mathematics, and the Bachelor of Science in electrical engineering-biomedical engineering option.

POSITIONS SERVED SUMMARY

- ◆ Coherent Learning Design (August 16, 2020-present). STEM Education Design & Evaluation Specialist.
- ◆ Carthage College (August 15, 2018- August 15, 2020): Associate Professor of Education–STEM. Director, STEM Education Minor. Member, Institutional Review Board (IRB).
- ◆ Gwendolyn Brooks College Preparatory Academy (September 5, 2014-August 15, 2018): Director of STEM Education \equiv Established *STEM@Brooks*, KIA PBL AP Environmental Science, AP Capstone Seminar, AP Capstone Research, and Honors Science Research Capstone.
- ◆ Princeton International School of Mathematics and Science \equiv PRISMS (August 5, 2013–June 13, 2014): Founding Biology Teacher and Director of Research. Established *Research@PRISMS*.
- ◆ Illinois Mathematics and Science Academy (December 1, 2010–June 3, 2013): Instructional Program Assistant for Student Inquiry and Research (SIR). Manage/advise student research.
- ◆ Aurora University (Academic Year 2009–2010): Associate Professor of Science Education.
- ◆ DePaul University (Fall, 2003–Summer, 2009): Associate Professor of Science Education & Associate Director-Science, *Asia-Pacific Mathematics and Science Education Collaborative AP \equiv MSEC*.
- ◆ Illinois Mathematics and Science Academy (October 12, 1998–June 30, 2003): Coordinator, *Smithsonian Research and Dissemination Network*; Research and Professional Development Specialist; Coordinator for Professional Development and Research.
- ◆ Miami University (1993-1998): Director of Research and Dissemination, *Ohio's Systemic Initiative: OSI—Discovery*; Co-Principal Investigator, *Bridging the Gap: Equity in Systemic Reform*; Project Director, Miami University host site of *Project Discovery*; Visiting Assistant Professor of Science Education.
- ◆ University of Maine (1990-1993): Assistant Professor of Science Education, College of Education; Cooperating Assistant Professor, College of Forest Resources.
- ◆ Miami University (1989-1990): Visiting Instructor & Research Associate.
- ◆ Purdue University (1985-1989): Research Assistant, Research Technician, & Teaching Assistant.

PROFESSIONAL ACTIVITY SUMMARY

26	Funded Grants and Contracts totaling \$13,639,567 as contributor or director
34	Publications and Reports
31	Consulting and Evaluation Studies
133	Professional Presentations, Teacher/Leadership Seminars and Workshops
82	Professional and Committee Service Commitments
99	Professional Learning Experiences

DISSERTATION

Rogg, S. R. J. (1990). *Toward the evaluation of the small instructional group in the secondary biology classroom*. Thesis Ph.D. Purdue University, West Lafayette, IN.

PROFESSIONAL EXPERIENCE

COHERENT LEARNING DESIGN

AUGUST 16, 2020 – PRESENT

STEM Education Design & Evaluation Specialist

Current and Recent Clients:

- ◆ HHMI BioInteractive | <https://www.biointeractive.org/ambassador-community/ambassador/steven-rogg>
- ◆ University of Chicago: *Chicago EYES on Cancer* (National Cancer Institute 5R25CA221767-02)
<https://www.uchicagomedicine.org/cancer/education-outreach/student-education/high-school-undergraduate/eyes>
- ◆ U.S. Department of Education | Education Innovation and Research (EIR) grant program
- ◆ Whitefish Bay High School, WI | Biology & PLTW Medical Interventions
- ◆ St. Joseph Catholic Academy, Kenosha, WI. | Biology & Anatomy and Physiology
- ◆ Notre Dame College Prep, Niles, IL. | Biology & Environmental Science

CARTHAGE COLLEGE

AUGUST 15, 2018-AUGUST 15, 2020

Associate Professor of Education–STEM

|| *STEM Professional Education • K-16 Service • Science Education Scholarship*

Courses Developed and Taught

- EDU 2010: Educational Psychology and Assessment
- EDU 3250: Effectively Teaching Mathematics in the Elementary/Middle School
- EDU 3260: Effectively Teaching Science in the Elementary/Middle School
- EDU 3270: Exemplary STEM Education (STEM Minor cornerstone)
- EDU 5250: Quantitative Methods in Educational Research
- NAT 4200: Methods and Materials in Teaching Natural Science

Theses Advised – Masters of Education

- Sisco, Tara. (January 28, 2020). Implementing Project-Based Learning: What Matters?
- Swanson, Laura A. (December 4, 2018). The Correlation of Winning Draw Controls and Winning Games in Women's Lacrosse.

GWENDOLYN BROOKS COLLEGE PREPARATORY ACADEMY; CHICAGO PUBLIC SCHOOLS.

SEPTEMBER 05, 2014-AUGUST 15, 2018

Director of STEM Education and Regular Teacher

Intensive collaboration with STEM teachers to design an approach and implementation plan leading to the full integration of STEM fields at each grade level as appropriate; provide input on alignment of resources and activities to support plan. Direct the implementation of Problem-Based Learning and ensure that authentic problems and learning experiences are created to support the integrated curriculum. Plan, design, and lead differentiated PD sessions to build capacity of STEM teachers. Coach teachers on the implementation of identified critical strategies in support of STEM-focused education (e.g. inquiry, cooperative learning, tech integration, problem-based learning), provide non-evaluative observations of teachers, and provide supportive and constructive feedback that enhances teacher practice. Collaborate with teachers and leadership to guide the vertical and interdisciplinary alignment of units/lesson plans (e.g. literacy, science, math, technology, engineering, computer science, research). Participate in STEM PLC – focus on student learning, sharing practices, analyzing data, targeting interventions, inquiry into best practice, being results driven, and creating a culture of collaboration. Work with teachers to understand core content and the conceptual challenges students deal with when faced with that content. Model and co-teach to deepen the implementation of core concepts and mathematical or scientific “ways of thinking”. Teach and support classroom teachers in understanding and infusing STEM related experiences. Collaborate with Technology Specialists to determine appropriate technology tools, software, apps, etc. to enhance student learning and teachers’ use and integration of technology. Teach courses that model integrated STEM.

Courses Taught

- AP Environmental Science: Lucas Education Research’s (LER) Knowledge in Action Project-Based Learning (PBL) cohort one national pilot with the Buck Institute for Education (BIE).
- AP Seminar: Cohort Two of the College Board’s AP Capstone degree program.
- AP Research: Cohort Three of the College Board’s AP Capstone degree program.
- Anatomy & Physiology: OER based on the Health and Science Pipeline Initiative (HASPI).
- Honors Science Research Capstone: Option for Seniors ineligible for AP Research.
- STEM Engineering Design: Redesign course to align with NGSS utilizing IEEE OER.

Other Leadership

- Howard Hughes Medical Institute (HHMI) *BioInteractive* Ambassador (2015-present)
- Grants and Partnerships: The Chicago Public Education Fund’s Innovative Educator Network | LEAP Breakthrough Schools | McDougal Family Foundation Lesson Study Project | Verizon Innovative Learning with Arizona State University
- Ecology Project International (EPI) Teacher Research Fellow (2016): Costa Rica Rainforest & Sea Turtle Ecology.
- BSCS/National Association of Biology Teachers (NABT) National AP Biology Leadership Academy Cohort-III (2014-15).
- Chicago Public Schools (CPS) AP/IB Advanced Biology Teachers Professional Learning Community (PLC) Cohort One established 2015-16.

PRINCETON INTERNATIONAL SCHOOL OF MATHEMATICS AND SCIENCE ≡ PRISMS

AUGUST 5, 2013-JUNE 13, 2014

Founding Biology Teacher | Director of Research

On September 9, 2013, PRISMS launched its pilot year with forty talented Chinese and American students. This newly established international school is unique among specialized STEM schools with its focus on global studies, authentic research, international collaboration, and integrated inquiry-based curriculum. Beginning in Grade 9, students learn to design, conduct and publish advanced research. Beginning at age 16, regardless of grade level, students are paired with mentors in the field from collaborating universities, laboratories, businesses, medical facilities and the like to guide completion of an original, authentic research project culminating in a publication-quality paper and presentation.

Courses Taught

- **Environmental Science:** Science & Sustainability: Science Education for Public Understanding Project (SEPUP).
- **PRISMS Research:** Established the Independent High School Student Research program.

ILLINOIS MATHEMATICS AND SCIENCE ACADEMY (AUGUST 15, 2011-2013)

Instructional Program Assistant, Student Inquiry and Research (SIR) program.

Evolving since it was first formalized in 1989, and a crown jewel of IMSA's academic program, Student Inquiry and Research (SIR) serves as a model learning environment in which students conduct original investigations on compelling research questions; collaborate with other students and on-campus or off-campus professionals such as educators, researchers and scholars (often at world-class laboratories); and communicate their results through public presentation and publication. SIR is structured as an optional one-credit graded course that extends over the full academic year and enrolls nearly 300 students (85% of eligible students in 2010). The IPA provides essential support for student-researchers and advisors to ensure success, both technically and pedagogically as a unique learning experience. A focus of this role is to create conditions favorable for student inquiry and to guide students in the development of inquiry skills and processes in the context of authentic research.

AURORA UNIVERSITY (ACADEMIC YEAR 2009–2010)

Associate Professor of Science Education. Initial Certification Program, College of Education.

Summary of Responsibilities

Undergraduate and graduate courses

- BIO 2200: Humans and the Environment
- BIO 3820/BIO 5826: Secondary Teaching Methods–Biology
- EDU 3330: Methods of Teaching Science
- EDU 6756: Student Teaching Internship
- EDU 7810/8810: Special Topics: Quantitative Research toward Dissertation

Scholarship in science education

- Scholarship activities are reported in *Professional Presentations*, Page 17.

Service to the university, school, and community

- A list of activities can be found in *Professional and Committee Service* starting on page 27.

Accomplishments include:

- EDU3330—Developed on-site science methods courses at two partnership schools.
- EDU3330—Collaborated with Drs. Sandy Prolman, Ron Ramer, and others to achieve a curriculum change for science methods courses from a 3 credit lecture to a 4 credit laboratory.
- NSM—Collaboration with Drs. Kathleen Bradley, Mark Zelman, Michael Marvel, and Chetna Patel on a review of implications of changes to the natural sciences (NSM) course sequence.
- NCATE—With Drs. Mark Zelman and Ron Ramer, revised key assessments for the secondary science certification in Biology. The result was NCATE national recognition of this program.
- EDU3810—In collaboration with Dr. Ron Ramer, created a new course approved for the General Education program: *Divided No More: Relationships, Core Values, and Contemporary Education*.

DEPAUL UNIVERSITY (AUTUMN, 2003–SUMMER, 2009)

Associate Professor of Science Education. Department of Teacher Education, School of Education.

Associate Director-Science. Asia-Pacific Mathematics and Science Education Collaborative (AP≡MSEC).

Summary of Responsibilities

Undergraduate and graduate courses

- EE 334: Elementary Science Inquiry Teaching Strategies
- CS 485: Curriculum and Program Evaluation
- CS 606: Curriculum Studies Review of Literature
- CS 607: Curriculum Studies Integrative Paper
- SDV 421: Biology for Teachers
- SEC 339: Teaching Science in the Secondary School (cross-listed with T&L 439)
- T&L 439: Methods of Secondary Science Education
- T&L 415: Teaching and Learning Elementary Science
- T&L 590/SEC 390: Secondary Student Teaching
- T&L 591: Secondary Student Teaching Seminar

Scholarship in science education

▪ Asia-Pacific Mathematics and Science Education Collaborative AP≡MSEC at DePaul University was established to catalyze systemic excellence in mathematics and science education through research dissemination, professional education, and curriculum/program design in collaboration with colleagues and allied organizations of Asia-Pacific Economic Cooperation (APEC) member economies.

- Collaborative inquiry in program and intervention evaluation

Collaborative inquiry extends naturalistic inquiry and “fourth generation evaluation” methods (Guba & Lincoln) to be responsive, participatory, and to leverage extant intellectual and tangible resources.

- Authentic scientific inquiry in the science classroom

Collaborations with the *Student Inquiry and Research* program at the Illinois Mathematics and Science Academy (Aurora, Illinois) and the *Office of Mathematics and Science* of the Chicago Public Schools promote understanding about **scientific inquiry** as enacted in the school curriculum and its potential to reform science teaching and learning for the 21st century.

- Mathematics and Science Partnership program design and evaluation

Beginning in 2004, the *Illinois Mathematics and Science Partnership* (IMSP) has partially funded annual enrollment of teacher cohorts (middle grades focus) in the DePaul University *Masters of Science in Science Education* (MSSE) program. Collaboration with colleagues in the College of Liberal Arts and Sciences has resulted in successful design, conduct and continuous development of the MSSE.

Service to the university, school, and community

- A list of service activities can be found beginning on page 27.

ILLINOIS MATHEMATICS AND SCIENCE ACADEMY (FALL, 1998–SPRING, 2003)

*Coordinator, Smithsonian Research and Dissemination Network (Spring, 2002–June, 2003).
Office of Research and Evaluation*

The *Smithsonian Research and Dissemination Network* was established to support Center@IMSA (see below) program directors in value-added evaluation grounded in IMSA’s core competencies.

Research and Professional Development Specialist (Spring, 2001–2003). Center for the Advancement of Learning and Teaching in Mathematics, Science, and Technology (Center@IMSA)

As the Center@IMSA matured, an increasing emphasis was placed on the definition of core competencies expected to be common to all programs in its portfolio. Thus, a bridge was established connecting program design, development, delivery, and evaluation.

Coordinator for Professional Development and Research (Autumn, 1998–Spring, 2001). Center@IMSA

By State of Illinois law, the Illinois Mathematics and Science Academy (IMSA) exists “to serve the people of Illinois as a preparatory institution and the school system of the State as a catalyst and laboratory for the advancement of teaching.” Likewise, IMSA’s specific charge is “to offer a uniquely challenging education for students talented in the areas of mathematics and science” and “to stimulate further excellence for all Illinois schools in mathematics and science.” The Center@IMSA was established in 1998 to advance the “catalyst” mandate in the “[IMSA Law](#)”.

Summary of Responsibilities

- ◆ Establish the impact-oriented *Smithsonian Research and Dissemination Network* of program leaders, educators, and education leaders participating in Center@IMSA programs, including...
 - *Bridges to Science Literacy*—Support the application of AAAS Project 2061 “tools for science literacy” in Illinois school districts.
 - *Problem-Based Learning*—Assess the effects of PBL professional development on teachers’ practices and students’ learning outcomes.

- *Excellence 2000+*—Ascertain the impact of teachers’ leadership in this after-school program on teaching practices during the regular school day.
- *21st Century Information Fluency*—Evaluate online “information fluency” resources for educators.
- ◆ Design a research plan for the *IMSA 2061* partnership with *Project 2061* – the national reform initiative of the American Association for the Advancement of Science.
- ◆ Conduct regional and national workshops for *IMSA 2061* and *Project 2061*.
- ◆ Collaborate with the IMSA Science Team on the design of its new *Scientific Inquiries* core program for IMSA students.
- ◆ Design and implement a study of Chicago Public Schools principals’ and educators’ perceptions of professional development needs on behalf of *Museums In the Park* (MIP).
- ◆ Design and conduct the MAPS Studies. *Museums and Public Schools* (MAPS) is a collaboration of the nine *Museums in the Park* institutions with Chicago Public Schools.
- ◆ Develop a system of *Common Core Indicators* for evaluation of Center@IMSA programs.
- ◆ Serve on the IMSA Student Inquiry and Research Committee.
- ◆ Conduct an external evaluation study on behalf of the Columbus Public Schools’ Urban Systemic Initiative to assess impact on teaching and learning.
- ◆ Conduct professional development workshops for *Project Keystone* – an Illinois Science Literacy program – and similar experiences grounded in Problem-Based Learning, the Illinois Learning Standards, National Science Education Standards, and TIMSS.
- ◆ Contribute to the planning, delivery, and evaluation of the *Great Minds Program* for science education. This program brings national leaders to IMSA to explore contemporary concerns such as curriculum design, assessment, and achieving national standards.
- ◆ Serve on the instructional team for the *Biotechnology Kids Institute* two-week laboratory experience for high school students from Chicago Public Schools.

MIAMI UNIVERSITY (1993-1998)

Director of Research and Dissemination, Ohio’s Systemic Initiative: OSI—Discovery

OSI—Discovery is Ohio’s extension of *Project Discovery* (an NSF Statewide Systemic Initiative for Science and Mathematics Education Reform, see below), funded primarily by the Ohio General Assembly through the Ohio Board of Regents.

Co-Principal Investigator, Bridging the Gap: Equity in Systemic Reform.

The *Bridging* study, funded by the National Science Foundation (REC-[9602137](#)), examined the impact of systemic reform in Ohio schools. This longitudinal study triangulated evidence from quantitative assessments (released NAEP items), surveys, and case studies (representing rural, urban, and suburban settings).

Project Director, Miami University Host Site of Project Discovery

Project Discovery was one of the National Science Foundation’s Statewide Systemic Initiatives (SSI) for Science and Mathematics Education Reform (OSR-[9150060](#)).

Visiting Assistant Professor of Science Education, Department of Teacher Education, School of Education and Allied Professions

Course Development and Teaching

- Botany/Microbiology/Zoology (BMZ215, BMZ699): Life Science by Inquiry
- Educational Leadership (EDL699.z): The National Science Education Standards

Summary of Responsibilities

- ◆ Co-direct design, implementation, and analyses for the *Bridging the Gap Study* including administration of survey and assessment instruments, site visits, and case studies.
- ◆ Co-direct the *Ohio Landscape Study*—a collaborative study of the impact of the statewide systemic reform initiative. This was a precursor to the Bridging the Gap study.
- ◆ Direct the development and delivery of Discovery’s graduate-level professional education courses for teachers, teacher educators, and administrators. Content included: physical science, mathematics, inquiry teaching, research and evaluation methods, performance assessment, and science and mathematics education leadership.
- ◆ Serve on the OSI—Discovery Executive Council and Coordinating Committee, the Project SUSTAIN Advisory Committee, the Project Discovery Directors Council, Regional Directors Council, Statewide Coordinators Council, and State Physics Planning Group.
- ◆ Administration of Discovery’s Miami University Office including staff of 7 professional employees, 5 graduate assistants, and 4 student assistants; annual budgets exceeding \$1.25M.

UNIVERSITY OF MAINE (1990-1993)

*Assistant Professor of Science Education, College of Education; and,
Cooperating Assistant Professor, College of Forest Resources*

Advising Summary:

Undergraduate (45), M.Ed. (19), C.A.S. (3), and Ed.D. (5).

Teaching Summary

- ESC316 “Teaching Science in the Elementary School”
- ESC340 “Studies in the Physical Sciences I”
- ESC516 “Advanced Studies in Science Instruction (Elementary and Middle Level)”
- ESC542 “Advanced Studies in Science Education (Secondary)”
- ESC622 “Seminar in Science Education (K-12)”
- STT491 “Full-Day Student Teaching (Secondary)”

Summary of Responsibilities

- ◆ Share responsibility with Dr. Scantlebury for all undergraduate, graduate, and service aspects of the University of Maine’s Science Education program.

- ◆ Represent the University of Maine, in full collaboration with the College of Arts and Sciences, for the development of Maine's Statewide Systemic Initiative.
 - ▮ Representatives of the campuses of University of Maine System, Maine's private colleges, the Department of Education and the Governor's Office engaged in a significant collaborative effort which resulted in the successful award of an NSF State Systemic Initiative.
 - See: Maine: A Community of Discovery (1991-1993), Page 12.
 - Also see: Teacher Recruitment, Preparation, and Professional Development Committee in *Professional and Committee Service*, Page 31.
- ◆ Serve as the principal author and first director of Maine's *Beacon College Initiative*.
 - ▮ The Beacon College Initiative was a significant collaboration of representatives from the seven campuses of the University of Maine System along with Bowdoin College, Bates College, Colby College, and the University of New England. Its purpose was to be a seamless higher-education reform complement to Maine's State Systemic Initiative (which focused on K-12 education).
 - See: Beacon College Initiative in *Funded Grants and Contracts*, Page 12 and Beacon College Initiative on page 31.

MIAMI UNIVERSITY (1989-1990)

Visiting Instructor: EDT181/L, EDT182/L: Introduction to Physical Science.

Research Associate: The Effect of Teacher Inservice Programs on Elementary Students' Achievement and Attitudes in Science (NSF Award No. 9096111). Kable, J. B., Principal Investigator.

PURDUE UNIVERSITY (1985-1989)

Research Assistant: Science Education for Rural Girls: Education Equity through Master Teaching (NSF Award No. 8896161). Kable, J. B., Principal Investigator.

▮ The research team and a group of master teachers collaborated in this field-based study. My contribution was to lead a detailed study of interaction structures in a biology classroom. This research led to my dissertation.

Research Technician: Hillenbrand Biomedical Engineering Center

▮ Duties included: data acquisition and analysis, biomedical experimentation, design of research electronics, research application programming, and writing user-documentation.

Teaching Assistantships

- Biology 109: Zoology and Biology 108: Botany – modified mastery with audio-tutorial
- Biology 205, 206: Biology for Elementary Education – inquiry-based methods
- Biology 555; Medical Physiology – surgical laboratory for first-year medical students
- Science 401; Social Implications of Natural Science – capstone for secondary science

PROFESSIONAL ACTIVITIES

FUNDED GRANTS AND CONTRACTS

Rogg, S. (November, 2017). <i>Verizon Innovative Learning design thinking program</i> . Arizona State University and the Verizon Foundation.	\$5,000
Rogg, S. (July, 2016). <i>Verizon Innovative Learning design thinking program</i> . Arizona State University and the Verizon Foundation.	\$20,000
Weaver, D., Rogg, S., et. al (February, 2016). LEAP Breakthrough Schools to Gwendolyn Brooks College Preparatory Academy.	\$280,000
Weaver, D. & Rogg, S. (December 31, 2014). Joyce Foundation to Gwendolyn Brooks College Preparatory Academy. Grant ID: 14-36383	\$25,000
Co-Author – Weaver, D. & Rogg, S. (2015). Breakthrough Schools Chicago Cohort 2. LEAP Innovations.	\$30,000
Director – Rogg, S. (2015). Lesson Study Project. McDougal Family Foundation.	\$10,400
Director – Rogg, S. (2015). Innovative Educator Network. The Chicago Public Education Fund (The Fund).	\$3,000
Director – Rogg, S. (2014). Lesson Study Project. McDougal Family Foundation.	\$4,800
Co-Director – Donovan, M., Rogg, S. Casarella, P, Solerto, S. & Masters, T. (October, 2008). <u>Bonds of Solidarity: Latino Education</u> . Funded by the Vincentian Endowment Fund, DePaul University.	\$5,000
Contributor – Jabon, D., Narasimhan, C. (2007). <u>A Graduate Program in Environmental Science Teaching and Learning for High School Teachers</u> . Funded by the Illinois State Board of Education, Mathematics and Science Partnership, Title II, Part B.	\$250,000
Coauthor – Larsen, C. (2006). <u>The LINK INitiative: Learning, Inquiring, Networking and Knowing through INtegration, INnovation, and INduction</u> . Funded by the Chicago Community Trust. Chicago: DePaul University.	\$320,000
Coauthor – Owens, R., Rogg, S., Larsen, C., & Narasimhan, C. (2005). <u>The LINK INitiative: Learning, Inquiring, Networking and Knowing through INtegration, INnovation, and INduction</u> . Funded by the Chicago Community Trust. Chicago: DePaul University, School of Education.	\$320,000
Coauthor – Narasimhan, C., Jabon, D., Beck-Winchatz, B., & Rogg, S. (2004-). <u>A Graduate Program in Science Teaching and Learning for Middle School Teachers</u> . Chicago: DePaul University. Funded by the Illinois State Board of Education, Mathematics and Science Partnership, Title II, Part B.	\$250,000
Co-Project Director – Kozoll, R., Rogg, S. R., & Kim, H. (2004). <u>Department of Teacher Education’s Science Education – Chicago Math and Science Initiative Alignment Project</u> . Quality of Instruction Council, Departmental Initiative Grant. Chicago: DePaul University.	\$5,000

Coauthor – Owens, R., Donovan, M., Kapustka, K., & Rogg, S. (2004). <u>Oscar Mayer Elementary School Literacy Initiative</u> . Funded by the Oscar G. and Elsa S. Mayer Foundation. Chicago: DePaul University School of Education.	\$25,000
Coordinator – <u>Smithsonian Research and Dissemination Network</u> (2002-03). Continuing grant funded by the Smithsonian Institution.	\$156,000
Director – MIP Study (2001). Research and Planning Phase of the Museum Educators' Workshop. Museums In the Park (MIP) funded by the Polk Brothers Foundation.	\$13,544
Director– MAPS-II Study (2000-01). <u>Museums and Public Schools Initiative</u> . Museums in the Park and Chicago Public Schools.	\$59,636
Director – MAPS Study (1999-00). <u>Museums and Public Schools Initiative</u> . Museums in the Park and Chicago Public Schools.	\$49,981
External Evaluator – <u>Columbus Public Schools Urban Systemic Initiative</u> (1999-2000). Columbus Public Schools.	\$29,919
Co-Principal Investigator – OSI-Discovery (1997-98), Ohio Board of Regents (\$940,000); <u>Ohio's Systemic Initiative Transition</u> (1996-97), Ohio Board of Regents.	\$637,321
Co-Principal Investigator – <u>Bridging the Gap: Equity in Systemic Reform</u> (1996-99). National Science Foundation REC-9602137 .	\$987,926
Co-Project Director – <u>Standards-Based Inventory of Middle Level Science Materials</u> (1996). Supplement to NSF # SR-9150060 .	\$49,981
Project Director – <u>Beacon College Initiative</u> (1992-93). Maine Science and Technology Commission and inter-institutional matching funds.	\$101,449
Co-Project Director – <u>Exemplary Science Partnership</u> (Spring, 1992). University of Maine/Maine Audubon Society. Funded by the Eisenhower Science and Mathematics Program.	\$11,000
Contributor – <u>Maine: A Community of Discovery</u> (1991-1993). Maine's State Systemic Initiative (NSF Award No. 9250069). Francis Eberle & Thomas Keller (Principal Investigators). Maine Mathematics and Science Alliance.	\$10,000,000
Count = 26. Sum =	\$13,639,567

PUBLICATIONS AND REPORTS

- Mekinda, M. A., Rogg, S. R., Peña, C. G., Domecki, M. L., Goss, K. H., Galinski, B., & Dolan, M. E. (2022). Chicago EYES on Cancer: Fostering Diversity in Biomedicine through Cancer Research Training for Students and Teachers. *Journal of STEM Outreach*, 5(2), 1–13. <https://www.jstemoutreach.org/article/38050-chicago-eyes-on-cancer-fostering-diversity-in-biomedicine-through-cancer-research-training-for-students-and-teachers>
- Rogg, S. (July 31, 2017). STEM@Brooks ESEY Core: Inquiry Natural Science (INS): Gwendolyn Brooks College Preparatory Academy. Submitted to: High School Course Management, Chicago Public Schools. Chicago, IL

- Rogg, S. (June 26, 2017). *STEM@Brooks Report to the Joyce Foundation*. Grant ID: 14-36383. Support Brooks teachers in program design and development of new STEM curriculum pathways (Final Report). Chicago, IL.
- Rogg, S. (March 7, 2016). *STEM@Brooks Report to the Joyce Foundation*. Grant ID: 14-36383. Support Brooks teachers in program design and development of new STEM curriculum pathways (Interim Report). Gwendolyn Brooks College Preparatory Academy: Chicago, IL.
- Rogg, S. & Weaver, D. (February, 2016). *Blueprint for "The School of Choice in the City of Chicago"* awarded by LEAP Breakthrough Schools to Gwendolyn Brooks College Preparatory Academy. Chicago, IL.
- Takahashi, A., McDougal, T., & Rogg, S. R. (January 5, 2011). Testing the efficacy of technology-enabled observation of math and science instruction to advance learning, formative assessment, and professional education. Proposal #1118937 (unfunded) to the Division of Research on Learning in Formal and Informal Settings (DRL) Discovery Research K-12 program of the National Science Foundation. Lesson Study Alliance. Chicago, IL.
- Rogg, S. (November, 2007). The La Aurora: New Beginnings Project – Final Evaluation Summary. U.S. Department of Education. Office of English Language Acquisition. Bilingual Education Professional Development Career Ladder Program (CFDA #84.195E, grant #T195E010024). Submitted to: Aurora University, Aurora, Illinois.
- Rogg, S. (August 24, 2006). DePaul University Mathematics and Science Partnership: Evaluation Report, Spring, 2006. (State of Illinois MSP Grant, Title II, Part B). Chicago: DePaul University.
- Rogg, S. (January 20, 2006). DePaul University Mathematics and Science Partnership: Internal Evaluator's Interim Report (State of Illinois MSP Grant, Title II, Part B). Chicago: DePaul University.
- Scheppler, J. A., Dosch, D., Styer, S., & Rogg, S. (2005). Student Inquiry at the Illinois Mathematics and Science Academy. In R. E. Yager (Ed.), *Exemplary science in grades 9-12: standards-based success stories*. Arlington, Va.: NSTA Press.
- Takahashi, A., Lee, Yo-An, & Rogg, S. R. (September 9, 2004). Advancing the quality of mathematics teaching and learning through lesson study. Proposal #0455613 (unfunded) submitted to the Teaching Professional Continuum program of the National Science Foundation. DePaul University. Chicago, IL.
- Rogg, S. R. (July 14, 2003). The Illinois Mathematics and Science Academy Research and Dissemination Network: Academic Year 2002-03. Final Report to the Smithsonian Institution. Illinois Mathematics and Science Academy, Aurora, IL.
- Brazdil, L. & Rogg, S. R. (August 14, 2002). IMSA 2061 Program Year 2001-2002 Summary Report. Illinois Mathematics and Science Academy. Aurora, IL.
- Rogg, S. R. (March 28, 2002). Museum Educators' Workshop Study: Attracting and Retaining Teachers in Museum-Sponsored Professional Development Programs. Phase-I Report. Museums In the Park (MIP). Chicago, IL.
- Scheppler, J., & Rogg, S. R.; editors. (April 11, 2001). *Science Education in the Twenty-first Century: Pushing the Envelope on Student Assessment*. Great Minds Dialogue Series. Illinois Mathematics and Science Academy. Aurora, IL.

- Rogg, S. R. (December 29, 2001). Implementing Inquiry and Technology in a Biology Lab for Pre-service Teachers and Non-majors: Program Evaluation Final Report. Xavier University. NSF Award #9950373.
- Rogg, S. R. (October 18, 2001). MAPS-II Study Final Report. Museums and Public Schools (MAPS). Museums In the Park and Chicago Public Schools. Chicago, IL.
- Noboa-Rios, A., Rogg, S. R., & Besag, F. (February 2, 2001). Study of State Systemic Initiatives (SSI) Among Seven States and One Territory - Year 1 Report for South Carolina. COSMOS Corp. Bethesda, MD.
- Rogg, S. R. (August 31, 2000). MAPS Study Final Report. Museums and Public Schools (MAPS). Museums In the Park and Chicago Public Schools. Chicago, IL.
- Kahle, J. B. (2001). Co Principal Investigator(s): Kenneth G Tobin; Steven R Rogg; Kathryn C Scantlebury; Judith L. Meece. Bridging the Gap: Equity in Systemic Reform: Final report for award # 9602137. National Science Foundation, Washington, DC.
- Rogg, S. R. (June 8, 1999). Report on the Elementary Teacher Survey Pilot Study on behalf of the Columbus Urban Systemic Initiative. Columbus Public Schools. OH.
- Kahle, J. B., & Rogg, S. R. (1998). A Pocket Panorama of the Landscape Study, 1997. [Brochure]. Oxford, OH: Miami University.
- Kahle, J. B., & Rogg, S. R. (1997). Assessing systemic change: Ohio's Statewide Systemic Initiative, Discovery. It's difficult to measure change while changing the measure. Assessment activities in the Division of Elementary, Secondary, and Informal Education. Systemic Initiatives, 1 (3) 10, 11.
- Kahle, J. B., Tobin, K. G., & Rogg, S. R. (1997). Impressions of reform in Ohio schools. National Science Foundation, Washington, DC.
- Kahle, J. B., & Rogg, S. R. (1997). A Pocket Panorama of the Landscape Study, 1996. [Brochure]. Oxford, OH: Miami University.
- Kahle, J. B., & Rogg, S. R. (1996). A Pocket Panorama of the Landscape Study, 1995. [Brochure]. Oxford, OH: Miami University.
- Norton, S., Cronn, D., Godomsky, S., Stebbins, R., Syphers, D. & Rogg, S. (June 15, 1993). Maine Beacon College Collaborative for Excellence in Teacher Education. Proposal (unfunded) to the National Science Foundation Division of Undergraduate Education. University of Maine, Orono, Maine.
- Rogg, S. R. (February, 1993). A report to the Bush Foundation: Evaluation of Operation SMART in Rural Communities. Girls Club of Rapid City, Inc. Rapid City, SD.
- Wood, C., Jackson, M, Rogg, S. R. (June, 1992). Use of concept maps in micro-computer based program design for an AIDS knowledge base. Abstract in: Bingham Consortium for Health Research, Research Projects and Educational Offerings in Health and Public Health: A Resource Directory for Maine. Edmund S. Muskie Institute of Public Affairs, University of Southern Maine.
- Rogg, S. R., Editor (March, 1992). Proceedings of the Beacon College Conference. The University of Maine System, Bangor, Maine.

- Rogg, S. R. (Spring, 1991). A report to the Bush Foundation: Evaluation of year one implementation of Operation SMART in Rural Communities. Girls Club of Rapid City, Inc. Rapid City, SD.
- Rogg, S. R. J. (1990). Toward the evaluation of the small instructional group in the secondary biology classroom. Thesis PhD--Purdue University, West Lafayette, IN.
- Rogg, S. R. (1987). Time-Based Data Input/Output (TBDIO): A "C" software library for digitized data files. Hillenbrand Biomedical Engineering Center, Purdue University.
- Rogg, S. R. (1986). MASSAGE Data Processing User's Manual (2nd rev. ed.) Hillenbrand Biomedical Engineering Center, Purdue University.

Count = 34

CONSULTING AND EVALUATION

- Professional Learning Coordinator (2017-present). Chicago EYES (Educators and Youth Enjoy Science) on Cancer. The University of Chicago Medicine Comprehensive Cancer Center. NCI Youth Enjoy Science Research Education Program (R25) Project # [1R25CA221767-01](#)
<https://cancer.uchicago.edu/education/pipeline-programs/eyes/>
- Whitefish Bay High School (November 2, 2020 - January 22, 2021). Temporary Long-Term Substitute Teacher. PLTW Medical Interventions and Biology-I.
- Panel Review Member (September 29, 2020 - October 30, 2020). United States Department of Education. Office of Elementary and Secondary Education. Education Innovation and Research (EIR) Program: Early-phase Grant Review.
- Consultant (2017-2018). Comprehensive design of Naif Aborayash Girls STEM School, Makkah, Kingdom of Saudi Arabia. ARIA Public Design, LLC. Chicago, IL.
- Facilitator (May 15-22, 2017). STEM for All Video Showcase: Research and Design for Impact. <http://stemforall2017.videohall.com/>.
- Consultant (July 26-29, 2016), Lesson Study Professional Development. Central Michigan University. Mount Pleasant, MI.
- Consultant (June-August, 2011). Illinois Mathematics and Science Academy's *Teacher Candidate Institute*. TCI Toolkit: Inquiry and Observation for the Advancement of Teaching and Learning. Aurora, Illinois.
- Program Assistant (December 2010-May 2011). Student Inquiry and Research (SIR). Illinois Mathematics and Science Academy. Aurora, Illinois.
- Consultant (April-November, 2007). Illinois Mathematics and Science Partnership Core Evaluation Tools Task Force. Illinois State Board of Education. Springfield, Illinois.
- Research Consultant (February, 2003-November, 2007). La Aurora: New Beginnings Project Management Team Collaborative Inquiry Model. Aurora University. USED #T195E010024. Aurora, IL.
- Consultant (October 30, 2006). Westchester SD92½ Middle Level Science Alignment with the Illinois Performance Descriptors. Westchester, Illinois.

- Consultant (August, 2005). Post-Secondary Education Network for Illinois Preparers of Teachers of Science. West 40 Intermediate Service Center #2 on behalf of the Illinois State Board of Education.
- Consultant (December 13-16, 2004; January 12-15, 2005). Lesson Study in Science. Minnesota River Valley Education District, Montevideo, Minnesota.
- Consultant, (December 17, 2003). Citywide Committee for Secondary Science Curriculum. Chicago Mathematics and Science Initiative (CMSI) of the Chicago Public Schools.
- Research Consultant (December, 2002-August, 2003). Alternative Teacher Certification for Science and Mathematics in Middle and Secondary Schools. Benedictine University. USED #P116B020445. Lisle, IL.
- External Evaluator (2000-2005). Leadership Alliance in the Biological Sciences (LABS): Joining Molecular Biology and Ecology with Research in the Classroom. Miami University. Oxford, OH. NSF Award #9819374.
- Evaluation Consultant (1999-2002). Implementing Inquiry and Technology in a Biology Lab for Pre-service Teachers and Non-majors. Xavier University. NSF Award #9950373.
- Consultant (2001). COSMOS Corporation, Bethesda, MD. Study of State Systemic Initiatives (SSI) Among Seven States and One Territory - Year 1 Report for South Carolina. NSF Directorate for Education and Human Resources Division, Grant #REC-9970832.
- Consultant (May 28, 1997). Discussion of SSI Scale-Up Strategies. Seminar with staff of the Westat*McKenzie Consortium. Washington, DC.
- Consultant (May 8-9, 1997). Lessons from the Ohio SSI. Meeting of the Appalachian Rural Systemic Initiative for the Westat*McKenzie Consortium. Knoxville, TN.
- Consultant (April 17-18, 1997). SSI Scale-Up Strategies. Meeting of the South Carolina State Systemic Initiative for the Westat*McKenzie Consortium. Columbia, SC.
- Panel Contributor (November 20-21, 1996). Equity Metric Study Panel. National Institute for Science Education, Madison, WI
- Invited Seminar (March 29, 1996). Cooperative Learning. Northeastern Illinois University, Mathematics Department. Chicago, IL.
- Invited Seminar (Oct. 20, 1995). Heroic Efforts and Hard Realities. Indiana University, School of Education, Department of Curriculum and Instruction. Bloomington, IN.
- Consultant (February 12, 1996). Interaction Process Analysis of Cooperative Work Groups. University of Delaware Secondary Science Education Center. Newark, DE.
- Consultant (1992-93). Thematic-Based Science Curriculum Development. Athens Elementary School, Beacon School Project. Athens, ME.
- Consultant (1992). Learning Partners: A Community-Based Math and Science Program. Athens Elementary School. Athens, ME.
- Program Evaluation (1991-92). Partners for Terrific Science. Sarquis, A.M.; Coats, J. H.; McLoughlin, D. J.; & Bucheit, R. R. National Science Foundation & Eisenhower National Program for Mathematics and Science. Middletown, OH.

Program Evaluation. (1990- 1993). Evaluation of Operation SMART in Rural Communities. Girls Club of Rapid City, Inc. Rapid City, SD.

Consultant: (1989-90). The Effect of Teacher Inservice Programs on Elementary Students' Achievement and Attitudes in Science. Kahle, J. B., Principal Investigator.

Reviewer: (1988). *The Science Connection*. Houston Museum of Natural Science.

Count = 31

PROFESSIONAL PRESENTATIONS

Rogg, S., Wagner, P. (November 11, 2022). A Cancer Case Study Storyline and PLC Research Lesson. National Association of Biology Teachers (NABT), Indianapolis, Indiana, USA.

Rogg, S.; Wagner, P. (July 22, 2022). A Cancer Case Study Storyline and Research Lesson. National Science Teaching Association (NSTA), Chicago, Illinois, USA.

Rogg, S.; Galinski, B.; & Mekinda, M. (April 8, 2022). A Cancer Case Study Storyline and Research Lesson. Wisconsin Society of Science Teachers (WSSST) Comeback Conference 2022, Central WI Convention Center, Wausau, WI, USA

Rogg, S. & Evans, J (March 19, 2022). From Phenomenal Images to Phenomenal Lessons with HHMI BioInteractive Resources. HHMI BioInteractive (online). <https://bit.ly/3GPJcUI>

Rogg, S. & Evans, J (March 1, 2022). From Phenomenal Images to Phenomenal Lessons with HHMI BioInteractive Resources. HHMI BioInteractive (online). <https://bit.ly/3GPJcUI>

Rogg, S. & Evans, J (August 21, 2021). From Phenomenal Images to Phenomenal Lessons with HHMI BioInteractive Resources. HHMI BioInteractive (online). <https://bit.ly/3hZi4JM>

Rogg, S. & Evans, J (August 19, 2021). From Phenomenal Images to Phenomenal Lessons with HHMI BioInteractive Resources. HHMI BioInteractive (online). <https://bit.ly/3hZi4JM>

Rogg, S. (November 13, 2020). A Wildcam Gorongosa Citizen Science Virtual Expedition and Activity Playlist: HHMI BioInteractive Booth Presentation. NSTA Engage 2020 (online). National Science Teaching Association. <https://youtu.be/2i8D7BUGDPc>

Rogg, S. & Holzer, M (November 6, 2020). Photosynthesis: Spatial and Temporal Impacts on this Changing Planet. NABT Professional Development Conference 2020 (online). National Association of Biology Teachers. https://nabt.org/Events_2020_Agenda

Rogg, S. (November 6, 2020). Using Wildcam Gorongosa to Inspire and Prepare Student Scientists. CAST Reimagined 2020 (online). Science Teachers Association of Texas (STAT). <https://bit.ly/36PQaul>

Rogg, S. (November 4, 2020). HHMI BioInteractive Resources for Online and Blended Learning. WSSST Virtual Zoom Conference (online). Wisconsin Society of Science Teachers (WSSST).

Rogg, S. (August 19, 2020). BioInteractive Simulations as Asynchronous Guided Inquiry: A Statistical Literacy Example and Virtual Lab Playlist (online). OLC Ideate Labs for Online STEM: Innovating STEM Education, Online Learning Consortium. Boston, MA. <https://voicethread.com/share/15018186/>

- Rogg, S. (August 6, 2020). How to Link Assignments and Grades to Student Learning Outcomes in Schoology (online). Blended and Online Learning Team (BOLT) Workshop. Carthage College. Kenosha, WI. <https://youtu.be/viZKowDKeps>
- Rogg, S. (April 17, 2020). BioInteractive Resources for Teaching Cell Biology and Genetics: Leveraging Cancer as an Investigative Phenomenon (postponed-COVID-19). Lindblom Math and Science Academy. Chicago, IL.
- Rogg, S. (March 20, 2020). Exemplary STEM Education (scheduled, event cancelled-COVID-19). Wisconsin Society of Science Teachers (WSSST) annual conference. Wisconsin Dells, WI.
- Rogg, S. (March 19 2020). A carbon-based NGSS storyline (scheduled, event cancelled-COVID-19). Wisconsin Society of Science Teachers (WSSST) annual conference. Wisconsin Dells, WI.
- Rogg, S. (December 12, 2019). Design principles for successful STEM education. NSELA-sponsored session at National Science Teaching Association. Washington State Convention Center. Seattle: WA.
- Rogg, S, Mekinda, M., & Scarlett, L. (November 16, 2019). Logic model conceptualization of teacher research in Chicago EYES on Cancer (poster). National Association of Biology Teachers 2019 Professional Development Conference. Chicago, IL.
- Rogg, S. (October 24, 2019). Inclusive Excellence in STEM Education at Carthage College (workshop). Diversity Leadership Summit. Carthage College. Kenosha: WI.
- Rogg, S & Mekinda, M. (August 8, 2019). Logic model conceptualization of teacher research in Chicago EYES on Cancer (poster). Summer Cancer Research Symposium. UChicago Medicine Comprehensive Cancer Center. Chicago, IL.
- Rogg, S., Frye II, R., Ortiz, L., & Sichory, J. (2019, July 9). Cancer as an Anchoring Phenomenon: A cell biology storyline supported by new and vintage BioInteractive resources [Poster]. HHMI BioInteractive EdProDevCon 2019, Bethesda, MD.
- Rogg, S. (April 26, 2019). Advanced Student Research in Secondary Schools: Three Exemplars (poster). Celebration of Scholars. Carthage College: Kenosha, WI.
- Holzer, M. & Rogg, S. (April 11, 2019). A Salt Marsh Die-Off to Mass Extinction: What Evidence Reveals. HHMI BioInteractive Workshop. National Science Teachers Association. St. Louis, MO.
- Rogg, S. (March 8, 2019). Breaking BioInteractive: Cancer as an Anchoring Phenomenon (workshop). Wisconsin Society of Science Teachers annual conference. Monona Terrace Conference Center. Madison, WI.
- Rogg, S. (March 8, 2019). Ambitious STEM Education. Wisconsin Society of Science Teachers conference. Monona Terrace Conference Center. Madison, WI.
- Rogg, S. (October 9, 2018). Breaking BioInteractive: Cancer as an Anchoring Phenomenon. The 7th Annual Baxter Symposium: Advancing Life Sciences through Biotechnology. Round Lake High School, Round Lake, IL
- Rogg, S. (August 9, 2018). Logic Model Conceptualization of Teacher Research in *Chicago EYES on Cancer* (poster). Chicago EYES on Cancer and Komen Symposium. University of Chicago Knapp Center for Biomedical Discovery. Chicago, IL.

- Rogg S. & Evans, J. (March 16, 2018). BioInteractive *Scientists at Work* Integrates NGSS Practices! National Science Teachers Association (NSTA) National Conference. Atlanta, GA.
- Rogg, S. (July 19, 2017). BioInteractivating Student Research: How might we leverage *BioInteractive* resources for student research experiences? (poster). HHMI Educator Professional Development Conference (“EdProDevCon 2017”). Chevy Chase, MD.
- Rogg, S. (May 25, 2017). New from HHMI BioInteractive: Virus Explorer, Ebola Disease Detectives, and more! The 6th Annual Baxter Symposium: Advancing Life Sciences through Biotechnology. The Allen Center, Northwestern University, Evanston, IL.
- Brokaw, A., Rogg, S., & Robalino, J. (March 31, 2017). New from BioInteractive: Explore Infectious Diseases and Viruses! NSTA National Conference, March 30-April 2, 2017. Los Angeles, CA.
- Brokaw, A., Rogg, S., & Robalino, J. (November 5, 2016). Molecular Wars: Using Simple Models to Understand Viruses, Drugs, and Disease. NABT Professional Development Conference, November 3-6, 2016. Denver, CO.
- Rogg, S. (June 13, 2016). Evolution of the STEM@Brooks Developmental Pathways Model. 7th annual STEM Summit: Building Capacity and Partnerships for STEM Education. Argonne National Laboratory, IL.
- Sorkin, L; Kessler, H; Rogg, S. (April 8, 2016). *From the Pullman Free School of Manual Training to Gwendolyn Brooks College Preparatory Academy: The Evolution of a School Campus*. Illinois Healthy and High Performing Schools Symposium. Chicago, IL.
- Rogg, S. (March 23, 2014). PRISMS Research: Learning to Inquire \equiv Inquiring to Learn. The 4th National Principals’ Training Symposium: Educating Talented Students. Beijing, China.
- Rogg, S. (November 13, 2014). PRISMS Research: Learning to Inquire \equiv Inquiring to Learn. National Association of Biology Teachers (NABT). Cleveland: OH.
- Rogg, S. (November 2, 2012). Teachers Take Control! Implementing the NGSS as Team Inquiry. Illinois Science Education Conference. Illinois Science Teachers Association. Springfield, IL.
- Rogg, S. (May 1, 2012). Student Inquiry and Research at the Illinois Mathematics and Science Academy. The 8th International Student Science Fair, April 30-May 4, 2012. Winnipeg, Manitoba, Canada. Available: <http://prezi.com/-igj090yqhr/issf-2012-student-research-at-imsa/>
- Carnazzola, A.; Condie, S., Hanrahan, B., Hunter, W., Koch, M., Kroll, W., Naughton, J., Rogg, S., & Sharris, A. (February 3, 2012). Math and science competitions to engage high school students and showcase accomplishments. The 3rd Annual STEM Summit. Oak Park and River Forest High School. Oak Park, IL.
- Rogg, S. (October 13, 2011). "Best Practices" at the Illinois Mathematics and Science Academy[®]. The 7th International Student Science Fair, 2011. Mahidol Wittayanusorn School, Thailand. Available: <http://prezi.com/dkrapmzifd16/issf-2011-imsa-best-practice/>
- Rogg, S. (March 26, 2010). Peer evaluation of teaching as collaborative inquiry: “jugyokenkyuu”. The 2010 Faculty Teaching and Research Conference. Aurora University: Aurora, IL.

- Rogg, S. (March 13, 2010). At the intersection of Professional Development Schools and Professional Learning Communities: Jugyokenkyuu (Lesson Study). 2010 Professional Development School (PDS) National Conference. National Association of Professional Development Schools (NAPDS). Orlando, FL
- Rogg, S. (March 5, 2010). Transforming Education: Specialized Schools as Catalysts. Annual conference of the National Consortium for Specialized Secondary Schools of Mathematics, Science and Technology (NCSSSMST). Nashville, TN.
- Rogg, S., Bradley, K., & Thomas, J. (September 25, 2009). Aurora University TSPED with Srimani Chakravarthi: *Transforming Special Education Teacher Training*. ACI Arts and Sciences Colloquium. The Associated Colleges of Illinois (ACI). Chicago, IL.
- Rogg, S. (May 9, 2009) Top Ten Insights from TIMSS and PISA: Professional Priorities for Science Educators. Eight Annual Lesson Study Conference: Building Our Professionalism through Lesson Study. DePaul University: Chicago.
- Rogg, S. (May 2, 2009). Teacher-Led Professional Learning: The Science Research Lesson. Chicago Mathematics and Science Initiative (CMSI) Annual Conference '09: Celebrating our progress, preparing for excellence. Malcolm X College: Chicago.
- Rogg, S. & Kozoll, R. (May 1, 2009). At the intersection of faculty development, program design, and teaching practice—collision or pot of gold? *Eleventh Annual Chicago Symposium Series on Excellence in Teaching Mathematics and Science: Research and Practice*. Northeastern Illinois University: Chicago.
- Rogg, S., Masters, T., Casarella, P., Soltero, S., et. al., (April 3, 2009). Bonds of Solidarity: Latinos and Education Symposium. DePaul University. Chicago.
- Rogg, S., Hergenrother, E. (November, 14, 2008) An Electrifying 7-E Research Lesson for Educators. Annual meeting of the Illinois Science Teachers Association. Peoria, IL.
- Rogg, S., Hergenrother, E., Mazzucco, E., (May, 10, 2008) A Lesson Study Example in Science Teacher Preparation. Seventh Annual Lesson Study Conference: Building a Worldwide Collegial Network through Lesson Study. Chicago, IL.
- Rogg, S. (November 15, 2007). Evaluating Professional Development. *IMSP Collaborative Meeting #2: Core Needs Assessments and Evaluation Designs*. Hilton Hotel. Springfield, Illinois.
- Rogg, S., Pollock, G., Reese, G., Rosa, R., & Shefner, R. (November 14, 2007). A Primordial IMSP Logic Model. *IMSP Collaborative Meeting #2: Core Needs Assessments and Evaluation Designs*. Hilton Hotel. Springfield, Illinois.
- Rogg, S., Schiller, D., & Nabb, K. (October 13, 2007). Shared Experiences in Online Learning Contexts. *Tenth Annual Chicago Symposium Series on Excellence in Teaching Mathematics and Science: Research and Practice*. Roosevelt University: Chicago.
- Rogg, S. (August 20, 2007). Science Literacy and Scientific Inquiry. *LINK-INitiative Summer Institute*. DePaul University. Chicago, IL.
- Rogg, S., Hergenrother, E., Mazzucco, E., (May, 12, 2007) Lesson Study on Trial. Sixth Annual Lesson Study Conference: *Building a Collegial Network through Lesson Study*. Chicago, IL.
- Narasimhan, L., Rogg, S., Collins-Maragh, C., & Valkans, V. (March 8, 2007). Illinois Mathematics and Science Partnership Capital Showcase (poster session). Springfield, IL.

- Rogg, S. (February 5, 2007). Forces acting on science education in the United States, Illinois, and Chicagoland: Are they sending us toward the destination we desire. Benedictine University. Lisle, IL.
- Rogg, S., Hergenrother, E., Jansen, M., Mazzucco, E., Whitney, J. (November, 4, 2006) e-X-treme PD: Lesson Study! Annual Meeting of the Illinois Science Teachers Association. Peoria, IL.
- Rogg, S. (October 21, 2006). Lesson Study as Constructivist Professional Education for Science Educators. Annual Meeting of the Association for Constructivist Teaching. Lisle, IL.
- Rogg, S. (June 28, 2006). If I were in your shoes...Strategies for principals to advance science teaching and learning in their school. Invited talk at the Nativity & Miguel Schools Principals Institute. Chicago.
- Rogg, S. (May 18, 2006). Collaboration is no longer optional: Confronting realities of 21st century science education. Excellence in Teaching Mathematics and Science “mini-symposium” in honor of Naomi Fisher, retiring director. Chicago.
- Rogg, S. & Masters, T. (March 31, 2006). Education in the United States: Objectives That Have Been Achieved, Needs that Remain. A Presentation for the Meeting of the World of Education, “E per scuola... una città”. Castelgandolfo, Italy.
- Larsen, C., Rogg, S., Damore, S., Kapustka, K., O’Connor, K., Shapiro, E. (March 25, 2006). LINK-IN: Opportunities by Design. Annual Meeting of the National Association of Professional Development Schools. Orlando.
- Rogg, S., & Kozoll, R. (2005, September 12, 2005). Inquiry and the Child Conservationist. Invited presentation at the American Zoo and Aquarium Association's Children's Zoo Symposium, Lincoln Park Zoo, Chicago.
- Rogg, S. (January 28, 2005). The New Science Literacy: What is it like in the classroom? GEAR UP Teacher Leadership Conference 2005: Professional Growth & Student Achievement: Sharing What Works in the Classroom. Chicago.
- Aird, C., Prolman, S., Rogg, S. R., & de los Santos, I. (January 26, 2005). La Aurora Collaborative Inquiry Model for Grant Evaluation. Presented at the Twenty-Eighth Annual Statewide Conference for Teachers of Linguistically and Culturally Diverse Students (IAMME). Illinois Resource Center. Oak Brook, IL.
- Lach, M., & Rogg, S. (February 13, 2004) So you want to reform P-16 Science Education in Chicago? A conversation about strategies and realities. Symposium on Excellence in Mathematics and Science. Illinois Institute of Technology. Chicago.
- Rogg, S, Dosch, D., Scheppler, S., Styer, S. (March, 2003). Authentic Inquiry: What is Possible in the Real Science Classroom? NARST Session at NSTA National Convention. Philadelphia, Pennsylvania. Illinois Mathematics and Science Academy. Aurora, IL.
- Rogg, S. R. (April 6, 2002) Museums and Systemic Reform: Exploring the Potential of a Large Scale Partnership. Paper presented at the meeting of the National Association for Research in Science Teaching, New Orleans, LA.
- Rogg, S. R. & Brazzle, R. (October 12, 2001). Making Time for Explorations in Science: IMSA 2061 at the annual meeting of the Illinois Science Teachers Association, Peoria, IL.

- Rogg, S. R. (October 20, 2000). IMSA 2061: A Unique Partnership at the annual meeting of the Illinois Council of Teachers of Mathematics, Springfield, IL.
- Rogg, S. R. & Todnem, G. (March 2, 2000). Get S.M.A.A.R.T. – Students Matter in Authentic Action Research that's Transformational. NCSSMST Spring 2000 Conference Liberating Goodness and Genius for the World. Aurora, IL.
- Rogg, S. R. (1998, April). Systemic reform: Seeking to understand the consequences. Paper presented at the meeting of the National Association for Research in Science Teaching, San Diego, CA.
- Rogg, S. R. and Boone, W. (November 13, 1997). Bringing Reform to Scale: The Experience of Ohio's State Systemic Initiative. Annual meeting of the School Science and Mathematics Association. Milwaukee, WI.
- Rogg, S. R. (July 17, 1997). High expectations and relationships between K-12 and higher education. Invited by the Ohio Board of Regents to contribute to the site visit of SHEEA/ACT representatives. Columbus, OH.
- Boone, W. J., Kahle, J. B., & Rogg, S. R. (1997, May). Using data from Ohio's State Systemic Initiative to guide the implementation of math and science standards in classrooms. Paper presented at the meeting of the School Mathematics and Science Center Conference, Purdue University, West Lafayette, IN.
- Rogg, S. R. and Kahle, J. B. (March 23, 1997). Conducting a Standards-Based Inventory of Middle-Level Science Curricular Materials. Annual meeting of the National Association for Research in Science Teaching. Oak Brook, IL.
- Boone, W. J., Kahle, J. B., Rogg, S. R., & Damjanovic, A. (1997, March). Race, gender, test length, and missing data: Why estimates of performance may be clouded. Paper presented at the meeting of the National Association for Research in Science Teaching, Chicago, IL.
- Rogg, S. R. (March 11, 1997). Invited talk: The Future of Discovery. Project Discovery Academic Year Seminar. Southwest Ohio Regional Professional Development Center, Cincinnati, OH.
- Rogg, S. R. and Kahle, J. B. (February 8, 1997). Invited paper: The NSES-based inventory of middle level science curriculum materials study. Status of Middle School Science Conference (February 7-9, 1997). American Association for the Advancement of Science. Washington, D.C.
- Rogg, S. R.; Poth, J.; Stith, J.; and Griffin, F. (January 8, 1997). Invited paper: Rising on the Tides of Change: The Experience of Ohio's State Systemic Initiative. Annual meeting of the American Association of Physics Teachers. Phoenix, AZ.
- Rogg, S. R. (November 11, 1996). Invited paper: The National Science Education Standards-Based Inventory of Middle Level Science Curriculum. Using the National Science Education Standards to Guide the Evaluation, Selection and Adoption of Instructional Materials (November 10-12, 1996). National Research Council. Washington, DC.
- Rogg, S. R. (July 10, 1996). Student Interaction and Cooperative Group Structure. The International Conference of the International Association for the Study of Cooperation in Education (IASCE), Columbus, OH.

- Rogg, S. R., Boone, W., & Damnjanovic, A. (April 1, 1996). *The Landscape instrument set: Painting the panorama of the landscape*. In the paper set: Painting a Picture of Middle School Mathematics and Science Education in Ohio: The Landscape Study. National Association for Research in Science Teaching, St. Louis, MO.
- Kahle, J. B., Rogg, S. R., Meichtry, Y., Carnes, G. N., & Witson, P. (March 30, 1996). Barriers—Perceived and Real: How Students, Teachers, and Principals View Systemic Reform. National Science Teachers Association, St. Louis, MO.
- Rogg, S. R. (Feb. 10, 1996). *Assessing the impact of Ohio's Statewide Systemic Initiative: Heroic Efforts and Hard Realities*. In the symposium: J. B. Kahle, A. Zucker, K. Tobin, S. R. Rogg, J. L. Lewis, & A. Damnjanovic. Assessing Systemic Reform from National Perspectives to Student Outcomes. American Association for the Advancement of Science, Baltimore, MD.
- Meichtry, Y., Kahle, J. B., Rogg, S. R., & Roychoudhury, A (Jan. 11, 1996). Ohio Landscape Study: Efforts of Teachers and Science Educators to Reform Middle-Level Science Education. Association for the Education of Teachers in Science, Seattle, Washington.
- Rogg, S. R. (March 27, 1994). The urban science teacher and readiness to change: The viability of self reports. In the symposium: J. B. Kahle, A. Haley-Oliphant, & S. R. Rogg. Systemic Reform in Science Education: Coordinating Research between an Urban Systemic Initiative and a State Systemic Initiative in Ohio. National Association for Research in Science Teaching, Anaheim, CA.
- Rogg, S. R. (February, 1993). Maine's Statewide Systemic Initiative for Science and Mathematics Education. Invited presentation to the University of Maine President's Development Council. Orono, Maine.
- Rogg, S. R. (October 24, 1992). The Beacon College. Invited presentation at the University of Maine System's Systemwide Conference on Improving the Quality of Undergraduate Education. Sugarloaf Resort, Maine.
- Wood, C. L., Rogg, S. R., Spector, J. & Brody, M. (1992). Use of concept maps in micro computer based program design for an AIDS knowledge base. American Educational Research Association.
- Rogg, S. R. & Kahle, J. B. (March 23, 1992). The characterization of small instructional work groups in 9th grade biology. Paper presented at the 65th annual meeting of the National Association for Research in Science Teaching (NARST). Boston, MA.
- Rogg, S. R. (1991). Children are natural scientists. Maine Science Teachers Association.
- Rogg, S. R. (April 10, 1990). The prediction of student achievement in small group learning. Poster at: National Association for Research in Science Teaching (NARST). Atlanta, GA.
- Rogg, S. R. (March, 1990). An evaluation of the small instructional group in the secondary biology classroom. Abstract in: National Association for Research in Science Teaching—63rd Annual NARST Conference. ERIC/RIE publication.
- Rogg, S. R. & Ruhl, J. D. (1989). The 'Hows' and 'Whys' of Cooperative Learning. Hoosier Association of Science Teachers, Inc.

TEACHER/LEADERSHIP SEMINARS AND WORKSHOPS

- Rogg, S., Mekinda, M., Pena, C. (February 22, 2020). Chicago EYES on Cancer Teacher PLC. Gurdon S. Hubbard High School. Chicago, IL.
- McDougal, T. & Rogg, S. (January 23, 2020). External Commentator. Research Lesson: Diabetes and Homeostasis. Curie Metro High School. Chicago, IL.
- Pena, C.; Mekinda, M. & Rogg, S. (January 11, 2020). Genome Browsing Workshop: Chicago EYES on Cancer. University of Chicago: Chicago, IL.
- Carvan, Michael; Berg, Craig; Henle, Steven; Petering, David; Pickart, Michael; Rogg, Steven; & Tomaszewicz, Henry. (November 25 & December 2, 2019). Wisconsin Inquiry-based Scientist-Teacher Education Partnership (WInSTEP) SEPA Program – workshop for Kenosha Unified School District (KUSD) teachers and NAT 4200 teach candidates.
- Rogg, S. (July 25, 2019). Phenomenal Data Fluency. Carthage College NOYCE community of practice retreat (July 24-25, 2019). Carthage College. Kenosha, WI
- May, V.; Beardsley, P.; Amagai, S.; Rogg, S.; Lucci, K.; & Cooper, R. (November 9, 2017). HHMI BioInteractive: Introductory Statistics in Biology Classrooms. Science Practices Special Workshop. National Association of Biology Teachers (NABT) Professional Development Conference, St. Louis, MO.
- Rogg, S. & Brokaw, A., (April 21, 2017). Molecular Genetics: DNA and Gene Expression. A Free NGSS-Aligned Workshop for HS Biology Teachers. Richard T. Crane Medical Preparatory High School, Chicago, IL.
- Brokaw, A., Rogg, S., Sarna, J. (October 3, 2016). Ecology, the Science Practices, and HHMI BioInteractive. Crane Medical Preparatory High School. Chicago, IL.
- Sarna, J., Klimesh, M., Rogg, S., Boyle, L., Bricken, J., Lowery, M., Torres, V., & Volkening, D. (AY 2015-16). Chicago Public Schools Advanced Biology Professional Learning Community (AB PLC). Chicago, IL.
- Brokaw, A., Boyle, L., Bricken, J., Lowery, M., Rogg, S., Sarna, J., Torres, V., & Volkening, D. (December 11, 2015). Advanced HHMI BioInteractive Resources that Cross-Cut the NGSS Science Practices. Crane Medical Preparatory High School. Chicago, IL.
- Sarna, J., Gallardo, A., Pohlad, T., Rogg, S. (October 28, 2015). Evolution, Speciation, and the NGSS Science Practices. Crane Medical Preparatory High School. Chicago, IL.
- Rogg, S. & Gonzalez, J. (July 24, 2015). Planning and implementing a schoolwide STEM solution. EdTech Collaborative's 3rd Annual Personalized Learning Summit: Where Educators Drive Innovation. Tribeca Flashpoint College. Chicago, IL
- Rogg, S., Croatto, E., & Morse, M. (April 27, 2013). Transforming Educational Culture— Education Workshop 6-12. Expo2013: Building a Renewed Humanity (April 27-28, 2013). The Focolare Movement. Chicago, IL.
- McDougal, T. & Rogg, S. (January 13, 2012). Research lesson moderator for O'Sullivan, M., Maldonado, K., & Karlesky, K. Applying ratio concepts/reasoning to plate tectonics. George B. Armstrong School, Chicago, IL

- Rogg, S. (July 28, 2011). Lesson Study (Jugyokenkyuu) and Science Education: A Natural Affinity. Upper Midwest Lesson Study Conference. Cooperative Educational Service Agency 10. Eau Claire, WI.
- Rogg, S.R. (July 20, 2011). Anticipating Student Responses in Your Research Lesson Design. 2011 Lesson Study Summer Institute-I. Chicago Lesson Study Group. Lesson Study Alliance: Chicago.
- Rogg, S.R. (June 4, 2011). Research Lesson Design: Anticipating Student Responses. Lesson Study Leadership Institute 2011. Chicago Lesson Study Group. Lesson Study Alliance: Chicago.
- Chicago Lesson Study Group (May 12-14, 2011). Post-lesson discussion panel facilitator. 2011 Chicago Lesson Study Conference. Newberry Math and Science Academy. Chicago, Illinois.
- McDougal, T., & Rogg, S. (April 7, 2011). External advisors for the Albany Park Multicultural Academy science research lesson. Chicago, Illinois.
- McDougal, T., & Rogg, S. (April 6, 2011). External advisors for the Chicago Vocational Career Academy mathematics department research lessons. Chicago, Illinois.
- McDougal, T., & Rogg, S. (March 16-17, 2011). External advisors for the Evanston Township High School mathematics department research lessons. Evanston, Illinois.
- Rogg, S. (January 28, 2011). Why Should High School Students Participate in Research Investigations? Discussion of the benefits of research for students at the high school level. STEM Student Research Forum. Illinois Mathematics and Science Academy. Aurora, Illinois.
- McDougal, T., & Rogg, S. (December 7-8, 2010). External advisors for the Evanston Township High School mathematics department research lessons. Evanston, Illinois.
- Rogg, S. (August 12, 2010). Research Lesson Design: Anticipating Student Responses. Lesson Study High School Summer Institute 2010. Chicago Lesson Study Group. DePaul University: Chicago.
- Rogg, S. (July 16, 2010). Research Lesson Design: Anticipating Student Responses. Lesson Study Summer Institute 2010. Chicago Lesson Study Group. DePaul University: Chicago.
- Rogg, S. (February 28, 2009). What is worth knowing from the recent release of TIMSS 2007 Science? Asia-Pacific Mathematics and Science Education Collaborative (AP≡MSEC) Colloquium. DePaul University: Chicago.
- Rogg, S. (February 22, 2008). Asynchronous Collaborative Inquiry in T&L 439 “Teaching and Learning Secondary Science”. A presentation to the faculty of the School of Education. DePaul University: Chicago, IL.
- Rogg, S. & Chicago Lesson Study Group (December 4, 2007). Panelist for the research lesson: “Ruler Factory” (grade 4). By: Gerald Alvaro, Jamie Raade, and Holly VanStrien. National Heritage Academies. Grand Rapids, MI.
- Rogg, S., Goodman, D., Santiago, M. & Hollenbeck, L. (9 Sessions, 2005-2006). Science and Sustainability User’s Group. Chicago Public Schools’ Chicago Mathematics and Science Initiative. <http://www.cmsi.cps.k12.il.us/ViewProgramDetails.aspx?pid=1079>
- Takahashi, A. & Rogg, S. (2004-) Chicago Lesson Study Group. Chicago, Illinois. <http://lessonstudygroup.net/>

- Brazdil, L. & Rogg, S. R. (August 21-23, 2002). Bridges to Science Literacy workshop and needs assessment. Quincy Public Schools, Quincy, IL.
- Rogg, S. R. (March 15, 2002). Museum Educators Workshop, Field Museum, Chicago, IL.
- Shume, T., Lee, M., Surati, D., Hackett, L. & Rogg, S. R. (July 17-19, 2001). Project 2061 FOCUS on Standards Workshop. Seattle, WA.
- Brazdil, L. & Rogg, S. R. (June 25-27, 2002). IMSA 2061 Introductory Workshop. Quincy Public Schools, Quincy, IL.
- Rogg, S. R. (October 18, 2001) The MAPS-II Study for Chicago Public Schools and museum administrators. Mexican Fine Arts Center Museum, Chicago, IL.
- Brazdil, L., Rogg, S. R., and Brazzle, R. (June 19-20, 2001). IMSA 2061 Introductory Workshop for the West Suburban Consortium for Academic Excellence (WSCAE). Aurora, IL.
- Rogg, S. R. & Todnem, G. (March 30, 2001) An Introduction to the Key Ideas of Understanding by Design for leadership staff of the Chicago Public Schools' Office of Curriculum Instruction, and Professional Development. Chicago, IL.
- Brazdil, L., Rogg, S. R., and Brazzle, R. (November 30, 2001). IMSA 2061 Workshop for the West Suburban Consortium for Academic Excellence (WSCAE).
- Lee, M., Hackett, L., Jordan, L., Audet, R., & Rogg, S. R. (April 18-21, 2001). Project 2061 FOCUS on Standards Workshop. San Antonio, TX.
- Hilkowitz, M.A., Bricker, L., & Rogg, S.R. (June 19-21, 2000). Project 2061 Science Curriculum Evaluation for First in the World Teachers and Leaders. Northbrook, IL.
- Brearton, M.A., Hackett, L. & Rogg, S.R. (May 24, 2000). Introduction to Project 2061 Tools for First in the World Teachers and Leaders. Northbrook, IL.
- Gerdes, D. & Rogg, S.R. (February 9-10). Keystone I: Constructing Standards-Driven Curriculum to Advance Science Literacy. Carterville, IL.
- Moyer, E. & Rogg, S.R. (April 26-29). Hancock/McDonough County Standards Workshop. Macomb, IL.
- Rogg, S. R. (April 13, 1996). Discovery, South Region Academic Year Follow-up. Questioning Techniques for Inquiry. Oxford, OH.
- Rogg, S. R. & Roempler, K. (March 23, 1996). Middle-level Curriculum and Science Education Standards Workshop for thirty Project Discovery leaders at the Eisenhower National Clearinghouse, Columbus, OH.
- Rogg, S. R., Arminio, J., & Doebling, M. J. (April 1, 1995). A Look at Lessons of Inquiry in the Classroom. At the Institute for Educational Renewal Linking Conference, Mason Middle School, Mason, OH.
- Davenport, A.; Clark, D.; & Rogg, S. R. (April, 1992). Science Connections. A collaborative workshop of the College of Science and College of Education. Orono, ME.
- Rogg, S. R. (January, 1992). Doing "Science" in the Classroom. Union #34 Schools. Glenburn, ME.

- Rogg, S. R. (August, 1991). SCIIS Beginnings. Workshop series for the Bangor Maine City Schools. Bangor, ME.
- Rogg, S. R. & Jackson, M. (July, 1991). Five 'R's for coping with health-related topics. University of Maine Middle-Level Institute. Orono, ME.
- Rogg, S. R. (July, 1991). The three most exciting implications of Project 2061 for middle-level science curriculum and teaching practice. University of Maine Middle-Level Institute. Orono, ME.
- Jacobs, S., Powers, G., & Rogg, S. R. (July 1991). Science in the classroom. University of Maine, College of Sciences. Orono, ME,
- Hill, M., Inman, B., & Rogg, S. R. (July 1991). Pollution prevention through understanding and managing the chemicals in our lives. University of Maine: Orono, ME.
- Houtman, N. & Rogg, S. R. (April 1991). Putting water quality into your curriculum. The Maine Environmental Education Association.
- Rogg, S. R. (February 1991). What does elementary science look like now? Brewer Elementary Schools. Brewer, ME.

Count = 55

PROFESSIONAL AND COMMITTEE SERVICE

- Advisory Committee Member (March 15, 2022 - present). University of Chicago: *Chicago EYES on Cancer*. National Cancer Institute 5R25CA221767-02.
<https://www.uchicagomedicine.org/cancer/education-outreach/student-education/high-school-undergraduate/eyes>
- Contributor (March 12, 2020 -August 15, 2021). “Gang of 29 - COVID TechHelpers” covid-techhelpers@carthage.edu emergency remote teaching technology support. Carthage College. Kenosha, WI.
- Contributor (February 27, 2020). STEAM Fair. Red Apple Elementary School. Racine, WI.
- Reviewer (February 15, 2020). Lincoln Scholarship. Carthage College. Kenosha, WI.
- Thesis Committee (July 16, 2019 – January 28, 2020). Sisco, Tara C. (M.Ed.). Implementing Project-Based Learning: What Matters?. Carthage College Education Department. Kenosha, WI.
- Breakout Workshop (2 sessions). (February 13, 2020). Introduction to STEM Teaching. Third Annual Educators Rising Event. Carthage College. Kenosha, WI.
- Contributor. (November 14-16, 2019) HHMI BioInteractive Chicago Public School (CPS) Biology Professional Learning Community at the National Biology Teachers Association (NABT) Professional Development Conference. Chicago, IL.
- Collaborator (August 2019 – August 2020). HHMI Inclusion and Excellence Cohort 3 (HHMI IE3) pre-proposal development group. Carthage College. Kenosha, WI.
- IRB Representative (September 2019 – August 2020). Carthage College Institutional Review Board. Carthage College. Kenosha: WI.

BioInteractive Ambassador (July 7-11, 2019). HHMI BioInteractive EdProDevCon 2019: Building Inclusive and Enduring Communities. Bethesda, MD.

Thesis Committee (September 2018 – May 2019). Swanson, L. (M.Ed.). The correlation of winning draw controls and winning games in women’s lacrosse. Carthage College Education Department. Kenosha, WI.

Representative (March 29, 2019). Capture Carthage Admissions Office recruitment event. Carthage College. Kenosha, WI.

Presenter (March 28, 2019). Educators Rising! Racine Unified School District recruitment event. STEM Education breakout session. Carthage College Education Department. Kenosha, WI.

Representative (February 22, 2019). Messmer High School recruitment. Carthage College Education Department. Kenosha, WI.

Contributor (December-February 2019). Junior Year Methods Block (ad hoc). Carthage College Education Department. Kenosha, WI.

Interviewer. (January 25, 2019). Kenosha Scholarship Competition. Admissions Office. Carthage College. Kenosha, WI.

Collaborator. (September 2018 – August 2020). Carthage Noyce Scholarship Program. Carthage College. Kenosha, WI.

BioInteractive Ambassador (July 22-27, 2018). Educators Professional Development Conference (“EdProDevCon 2018”). Howard Hughes Medical Institute (HHMI), Chevy Chase, MD.

Reviewer (May 30-June 29, 2018). Supporting Effective Educator Development (SEED) (CFDA 84.423A). Office of Innovation and Improvement. U.S. Department of Education. Washington, D.C.

BioInteractive Ambassador (July 17-21, 2017). Educators Professional Development Conference (“EdProDevCon 2017”). Howard Hughes Medical Institute (HHMI), Chevy Chase, MD.

BioInteractive Ambassador (October 12-16, 2016). Howard Hughes Medical Institute (HHMI) BioInteractive 2016 Holiday Lectures on Science. Chevy Chase, MD.

Participant (AY 2016-2017). HS Science Department Chair Leadership Cohort. Leadership tools for building a great team; strategies for planning and assessment; resources for NGSS implementation. CPS Garfield Park Office. Chicago, IL.

Participant (AY 2016-2017). Chicago Public Schools High School Curriculum Integration Cluster Meetings. Chicago, IL.

Founding Partner, *Lesson Study Alliance*. (September, 2010-2013).

Lesson Study Alliance is a non-profit 501(c)(3) service organization newly established by Dr. Akihiko Takahashi, Mr. Thomas McDougal, and Dr. Steven Rogg. The mission of Lesson Study Alliance is to improve K-12 teaching and learning, especially in mathematics and science. This mission is accomplished collaboratively with education professionals to implement effective practices from around the world.

Member (2014-). Curriculum Committee. Princeton International School of Mathematics and Science (PRISMS). Princeton, New Jersey.

Member (2014-). Student Applicant Review Committee. Princeton International School of Mathematics and Science (PRISMS). Princeton, New Jersey.

- Paper Session Judge & Poster Session Judge (May 3-4, 2013). State Science Exposition. Illinois Junior Academy of Science. University of Illinois at Urbana Champaign. IL.
- Special Awards Co-Chair (with Carlson, M.) (2011-13). Region V Science Exposition (March 23, 2013), Illinois Junior Academy of Science. Northern Illinois University, DeKalb, IL.
- Paper Session Chair (2012-13). Region V Science Paper Session (March 9, 2013). Illinois Junior Academy of Science. Illinois Mathematics and Science Academy, Aurora, IL.
- Session Moderator (February 18, 2012). American Junior Academy of Science. 2012 AJAS/NAAS Conference (February 15-19, 2012). Vancouver, BC Canada
- Delegate (October 20-23, 2011). Representing the Midwest Zone of the Focolare Movement. Umanità Nuova (New Humanity). Castel Gandolfo, IT.
- Reviewer (July, 2010). Program Evaluation (textbook manuscript). Guilford Press. New York, NY.
- Reviewer (June 7-29, 2010). Investing in Innovation (i3) Grant Review – Development Grants Tier I (CFDA 84.396A). Office of Innovation and Improvement. U.S. Department of Education. Washington, D.C.
- Reviewer (April 28, 2010). *IMS Aloquium*: 22nd Annual Student Research Showcase. Illinois Mathematics and Science Academy. Aurora, IL.
- Dissertation Committee Member (March 18, 2010). Lofthouse, C. A Teacher's Journey: The Autoethnographic Study of A High School Teacher. Aurora University. Aurora, IL.
- Member (2010), Biology Faculty Search Committee, Biology Department. Aurora University. Aurora, IL.
- Member (2010-). Curriculum Committee, Initial Certification Program. Aurora University. Aurora, IL.
- Reviewer (February, 2010). The 8th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2010.
- Member (2006-09). Curriculum Advisory Committee (CAC), Department of Teacher Education, DePaul University. Chicago, IL.
- Member (2008-09). Physical Space Committee, School of Education, DePaul University. Chicago, IL.
- Member (2007-09). Re-envisioning Secondary Certification Programs at DePaul, DePaul University. Chicago, IL.
- Member (2007-09). Masters of Science in Environmental Science Teaching (MEST) Curriculum Design Committee, DePaul University. Chicago, IL.
- Advisor (November, 2007). Fouser, J. What is the Utility of the Surveys of Enacted Curriculum for the Illinois Math Science Partnership Programs? Unpublished Master of Education, DePaul University, Chicago.
- Faculty (2005-09). Secondary Education Program, Department of Teacher Education, DePaul University. Chicago, IL.

- Member (2005-09). Excellence in Teaching Mathematics and Science: Research and Practice Planning Committee. Chicago, Illinois.
- Faculty (2005-09). Catholic Studies Program, DePaul University. Chicago, IL.
- Member (2004-09). Masters of Science in Science Education (MSSE) Advisory Board, DePaul University. Chicago, IL.
- Member (2004-09). Liberal Studies Council: Scientific Inquiry Domain, DePaul University. Chicago, IL.
- Science Facilitator (August 4-8, 2008). Second Annual Chicago Lesson Study Summer Institute. Chicago Lesson Study Group. DePaul University, Chicago.
- Resident Liaison, St. Benedict High School (2005-2007). LINK-INitiative Professional Development School Network. DePaul University. Chicago, Illinois.
- Representative (June 21, 2007). Day on the Hill meetings with U.S. Congressional Members. American Association of Colleges for Teacher Education (AACTE). Washington, DC.
- Member (2006-07). Strategic Planning Task Force, School of Education, DePaul University. Chicago, IL.
- Member (2005-07). e-Portfolio Design Task Force, School of Education, DePaul University. Chicago, IL.
- Representative (April 18, 2006). Next Steps to Successfully Implementing the AATs in Math and Science. Illinois Community College Board, Illinois Board of Higher Education, and the Illinois P-16 Collaborative. Springfield, Illinois.
- Representative (October 13, 2006). Fall Meeting of the Illinois Association of Colleges for Teacher Education (IACTE). Wheaton, IL.
- Member (2006). DePaul Vision Twenty-12 Catholic Curriculum, DePaul University. Chicago, IL.
- Member (2005-06). Field Experience & Student Teaching (FEST), Department of Teacher Education, DePaul University. Chicago, IL.
- Member (2004-06). Local Review Board (Human Subjects), School of Education, DePaul University. Chicago, IL.
- Member (2003-04). LA&S/SOE Joint Degree Committee, School of Education, DePaul University. Chicago, IL.
- Resident Liaison (2003-07). LINK-IN Professional Development School Network, School of Education, DePaul University. Chicago, IL.
- Reviewer (2002-2004). Journal of Research in Science Teaching. National Association for Research in Science Teaching.
- Reviewer (October, 2003). Strand 1-Learning: Students' Conceptions and Conceptual Change proposals for the annual meeting of the National Association for Research in Science Teaching.
- Key Leader (2002-). Building a Presence for Science. Illinois Science Teachers Association.
- Representative (July 24, 2002). Putting Students First: Assessing Mastery of Student Learning, Illinois Board of Higher Education. Heartland Community College, Normal, IL

- Panel Member (November 1-3, 2001). NSF grant proposal review panel for the Division of Elementary, Secondary, and Informal Education (EISE). National Science Foundation
- Member (2000-2002). Research Committee of the National Association for Research in Science Teaching (NARST).
- Panel Member (December 7-9, 2000). NSF grant proposal review panel for the Division of Elementary, Secondary, and Informal Education (EISE) of the National Science Foundation
- Member (1996-1998): OSI-*Discovery* Executive Committee and Coordinating Council. Columbus, OH.
- Member (1996-1998): *Project SUSTAIN* Advisory Board. Columbus, OH.
- Participant (May 18-19, 1997): Systemic Initiatives National Annual PI/PD Meeting. National Science Foundation. Washington, DC.
- Host to Visiting Members (April 11, 1997): Annual meeting of the Miami University Research Advisory Council (MURAC). Oxford, OH.
- Panel Member (June 13-14, 1996): National Science Foundation's Middle School Science Curriculum Synthesis Panel. Washington, DC.
- Participant (May 19-21, 1996): Systemic Initiatives National Annual PI/PD Meeting. National Science Foundation. Rockville, MD.
- Contributor to NSF Site Visit (April 15-16, 1996): Review of the proposal: Ohio's Statewide Systemic Initiative-Discovery. Miami University, Oxford, OH.
- Directors Council Liaison (1995-96): *Project Discovery* State Physics Planning Group. Columbus, OH.
- Member (1993-96): *Project Discovery* Directors' Council, Regional Directors Council, and Statewide Coordinators Council. Columbus, OH.
- Member (1993): Committee on Undergraduate Programs, College of Education, University of Maine. Orono, ME.
- Director (1992-1993). Beacon College Initiative. Members from Maine's institutions of higher education collaborated in the development of the proposal to the National Science Foundation: Maine Beacon College Collaborative for Excellence in Teacher Education. Orono, ME.
- Chairperson (1992-93): Executive Committee of the Beacon College, trans-institutional collaborative for the reform of mathematics and science education, kindergarten through post-secondary. Augusta, ME.
- Member (1992-93): Teacher Preparation and Professional Development Committee of the Maine Mathematics and Science Alliance; Maine's Statewide Systemic Initiative in Science, Mathematics, and Engineering Education. Augusta, ME.
- Chairperson (1991): Teacher Recruitment, Preparation, and Professional Development Committee during the preparation of Maine's successful proposal to create the Maine Mathematics and Science Alliance; Maine's Statewide Systemic Initiative in Science, Mathematics, and Engineering Education. Augusta, ME.
- Maine State Representative (1990-92): National Association of Biology Teachers. Arlington, VA.

Count = 82

PROFESSIONAL LEARNING

- July 20-23, 2020. National Science Education Leadership Association (NSELA) Summer Leadership Institute (online due to COVID-19).
- July 20-21, 2020. HHMI BioInteractive Online Professional Development Planning Workshop.
- July 13-14, 2020. REMOTE: The Connected Faculty Summit. Arizona State University.
- June 15-26, 2020. Online Learning Consortium. OLC Innovate 2020 Virtual Conference (complements of HHMI BioInteractive).
- June 15-18, 2020. National Science Education Leadership Association (NSELA) Leadership Summit.
- June 1-30, 2020. Teacher Educator Network for Environmental Education (TENFEE). Connect, Explore, Engage with Educator Preparation Programs (online, June 22-23 synchronous).
- February 12, 2020. Wisconsin Science Education Leadership Association (WSELA) Elementary Science Summit. DeForest, WI
- November 14-16, 2019. National Association of Biology Teachers 2019 Professional Development Conference. Chicago, IL.
- November 7-9, 2019. AACUSTEM2019 PKAL Transforming STEM Higher Education Conference (courtesy of HHMI BioInteractive). Chicago, IL.
- September 14, 2019. Maker Faire Milwaukee 2019. Wisconsin Center, Milwaukee, WI.
- August 27, 2019. LEAP InnovatED Summit: Make the success of every child personal. University of Illinois at Chicago: Chicago, IL.
- August 19-21, 2019. Writing Across the Curriculum (WAC) Workshop. Carthage College, Kenosha, WI.
- August 15, 2019. AAAS Science in the Classroom (SitC). American Association for the Advancement of Science. Washington, DC.
- August 14, 2019. Smithsonian Science (curriculum workshop). The Eisenhower Project. Green Bay, WI.
- August 8, 2019. Chicago EYES on Cancer Symposium. University of Chicago Comprehensive Cancer Center (UCCCC). Chicago, IL.
- July 25-26, Noyce Community of Practice Retreat. Carthage Noyce Scholarship (CNS) Program. Carthage College, Kenosha, WI.
- July 7-11, 2019. HHMI EdProDevCon: Building Inclusive and Enduring Communities. Howard Hughes Medical Institute. Chevy Chase, MD.
- May 30, 2019. Roy, K. & Love, T. Makerspaces, Fab Labs & STEM Labs: Safer Designs and Practices! National Science Education Leadership Association (NSELA). [Webinar](#).

- May 15-16, 2019. Chicago Lesson Study Conference: Achieving equity through lesson study. Prieto Math and Science Academy. Chicago: IL.
- March 2019 - February 2020. Equity and Inclusion Certificate Program (EICP). Carthage College. Kenosha, WI.
- February 12, 2019. *Science and Engineering from Grades 6-12: Investigation and Design at the Center*. Board on Science Education (BOSE) of the National Academies of Sciences, Engineering, and Medicine (NASEM) and Achieve. [Webinar](#).
- January 10, 2019. Science Professional Learning Standards (SPLS). NSELA/CSSS Joint [Webinar](#).
- January 9, 2019. Realizing the Vision: NGSS District Implementation. Board on Science Education (BOSE) of the National Academies of Sciences, Engineering, and Medicine (NASEM) and Achieve. Webinar.
- January 3, 2019. Dahlstrom, Michael F. & Kloser, Matthew. Storytelling in Science. HHMI BioInteractive. [Webinar](#).
- November 28, 2018. Hollins, Etta; Thamotharan, Vishodana; Kramer, Laird & Valenti, Darbie. Culturally Relevant Pedagogy in the Preparation of Teachers to Work in High-Need School Districts. AAAS ARISE: Advancing Research & Innovation in the STEM Education of Preservice Teachers in High Need School Districts. [Webinar](#).
- November 8, 2018. Francis, D.; Lee, O.; Moschkovich, J. English Learners in STEM Subjects: Transforming Classrooms, Schools, and Lives Overview. National Academies of Science, Engineering, and Medicine. Webinar.
- November 1, 2018. Bergin, Kathleen & Richardson, Sandra. Informational Webinar: NSF IUSE Program / Pre-Service Teacher Education. [Webinar](#).
- October 25, 2018. Blackorby, J.; Hwang, J.; Eitel, R. Supporting ALL Learners Using Active Learning Pedagogy. AAAS ARISE: Advancing Research & Innovation in the STEM Education of Preservice Teachers in High Need School Districts. [Webinar](#).
- October 24, 2018. 9th Annual STEM Summit. Office of Community Education Partnerships, Northwestern University. Evanston, IL. [URL](#)
- September 27, 2018. Ingersoll, R.; Preston, C; Tekkumru-Kisa, M.; Southerland, S.; & Wright, C. The Role of Teacher Preparation Programs in Retention of STEM Teachers in High-Needs Schools. AAAS ARISE: Advancing Research & Innovation in the STEM Education of Preservice Teachers in High Need School Districts. [Webinar](#).
- November 3, 2017. STEM Summit 2017. Illinois Science and Technology Institute (ISTI). Michele Clark Academic Prep Magnet High School, Chicago, IL
- May 24, 2017. High School Core Science PLC NGSS Showcase. Chicago Public Schools Learning Hub Course Code 36452. The Museum of Science and Industry, Chicago, IL
- May 18, 2017. CPS Network 13 HS Curriculum/CCSS. Chicago Public Schools Learning Hub Course Code 34275. Arturo Velasquez Institute, Chicago, IL
- May 11, 2017. Teaching Gene Expression: Strategies and Resources for Bilingual/ELL Biology. Learning Hub Class Code: 69154. Chicago Public Schools Garfield Park Office, Chicago, IL

- AY 2016-2017. High School Science Department Chair Leadership Cohort. Chicago Public Schools. Chicago, IL.
- AY 2016-2017. Knowledge in Action (KIA) AP Environmental Science Project-Based Learning (year two). Lucas Education Research Foundation & Buck Institute for Education (BIE).
- November 16, 2016. Personalized Learning at Your School: A Summit Workshop (Mid-West). Oak Brook Hills Resort & Conference Center. Oak Brook, IL
- October 17, 2016. POGIL: Using models of climate change as a context for teaching chemistry. Chicago, IL.
- December 6, 2016. CCSS HS Curriculum Integration Cluster Meeting. Chicago Public Schools, Chicago, IL.
- August 8, 2016. National Science Teachers Association's NGSS Summer Institute representing HHMI BioInteractive. Michigan Science Center. Detroit, MI.
- August 1-5, 2016. AP Capstone Research Summer PD. The College Board. Northwestern University. Chicago, IL.
- April 16-23, 2016. Costa Rica Research & Education Fellowship. Costa Rica Rainforest and Sea Turtle Ecology. Ecology Project International (EPI). Costa Rica.
- AY 2015-2016. Knowledge in Action (KIA) AP Environmental Science Project-Based Learning (pilot). Lucas Education Research Foundation & Buck Institute for Education (BIE).
- July 12-17, 2015. BSCS/ NABT/BSCS AP Biology Leadership Academy Cohort-III (Year Two). Colorado Springs, CO.
- November 11-14, 2015. National Association of Biology Teachers National Conference 2015 (with NABT/BSCS AP Biology Leadership Academy Cohort-III). Providence, RI
- August 3-8, 2015. AP Capstone Seminar Summer PD. The College Board. Walter Payton Academy. Chicago, IL.
- August 13, 2015. Googlepalooza 2015. Lindblom Math & Science Academy. Chicago, IL.
- June 6, 2015. Inquiry and Storylines: Planning for the NGSS. Westinghouse Ach Academy. Chicago, IL.
- May 2, 2015. Evolution, Speciation and the NGSS Science Practices. University of Illinois at Chicago. Chicago, IL.
- April 25, 2015. A Science PD Strand A-Transitioning to the NGSS SY14-15. Assessment using the Next Generation Science Standards. Chicago, IL.
- March 12-14, 2015. National Science Teachers Association national conference. McCormack Place. Chicago, IL
- AY 2014-2015. The NGSS High School Leader Cohort: Moving the NGSS into Practice. University of Illinois at Chicago. Chicago, IL
- November 12-15, 2014. National Association of Biology Teachers National Conference 2014 (with NABT/BSCS AP Biology Leadership Academy Cohort-III). Cleveland Convention Center Cleveland, OH.

- October 4, 2014. Bringing NGSS Outdoors - Adopt-An-Ecosystem and CIMBY Teacher Professional Development. Northside College Prep. Chicago, IL
- July 13-18, 2014. BSCS/ NABT/BSCS AP Biology Leadership Academy Cohort-III (Year One). Colorado Springs, CO.
- August 8-12, 2011. Level-II Lesson Study Leadership Institute. Lesson Study Alliance. Dr. Jorge Prieto Math and Science Academy: Chicago, IL.
- January 25, 2011. The Nation's Report Card Release: 2009 Science Grades 4, 8 and 12 (webinar). National Assessment Governing Board.
- July 22, 2010. U.S. STEM Education Model Demonstration & Preliminary Results from the Teacher Layoff Simulator (webinar). STEM Research and Modeling Network (SRMN).
- March 30, 2010. Investing in Innovation (i3) Pre-application Workshop Webinar – Atlanta (webinar). United States Department of Education.
- June 22-25, 2009. Asia-Pacific Economic Collaborative (APEC) 31st Human Resources Development Working Group (HRDWG) Meeting. DePaul University: Chicago.
- June 7-8, 2009. California Lesson Study Conference. Monterey Bay, CA.
- April 24, 2009. Council of Chicago Area Deans of Education (CCADE) Chicago Public Schools (CPS) curriculum meeting. National Lewis University, Chicago, IL.
- February 6-9, 2009. 61st Annual Meeting of the American Association of Colleges for Teacher Education (AACTE). Chicago, IL.
- October 20-21, 2008. National Science Foundation Regional Grants Conference. National Science Foundation Office of Budget, Finance & Award Management. Omaha, NE.
- May 8-10, 2008. Chicago Lesson Study Group Seventh Annual Conference. Chicago.
- March 10-12, 2008. Mathematics and Science Partnerships Program Regional Conference. United States Department of Education. Chicago, IL
- February 22, 2008. Chicagoland Stem Cell Science Education Symposium. Northwestern University: Chicago.
- October 12-14, 2007. Excellence in Teaching Mathematics and Science: Research and Practice. Regional Symposium. Roosevelt University: Chicago.
- May 10 & 12, 2007. Chicago Lesson Study Group Sixth Annual Conference. Chicago.
- June 15, 2006. Who's Citing You? Web of Science®, ISI®'s premier portal to the Science Citation Index Expanded. DePaul University. Instructional Technology Development. Chicago.
- June 13, 2006. Desktop Delivery: Linking Students Directly to Course Related Full-Text Articles & Library Resources. DePaul University. Instructional Technology Development. Chicago.
- May 11-13, 2006. Chicago Lesson Study Group Fifth Annual Conference and Open House. Chicago.
- February 25, 2006. Space Science Symposium at DePaul University. Chicago
- May 19-21, 2005. Chicago Lesson Study Group Annual Conference and Open House. Chicago.

- May 5, 2005. Quickdata—Web Surveys Quick. DePaul University. Instructional Technology Development. Chicago
- April 1, 2005. NSTA SPA (Specialized Professional Association) Reviewer Training. National Council for Accreditation of Teacher Education (NCATE). Dallas, TX.
- November 9, 2005. Science Assessment: Research and Practical Approaches Conference. National Science Teachers Association. Chicago.
- November 10-12, 2005. Annual meeting of the National Science Teachers Association. Chicago.
- February 18, 2005. The Library of Congress Adventures of the American Mind portal. DePaul University. Chicago.
- September 24, 2004. Space Science Symposium at DePaul University. Chicago
- June 28-30, 2004. SEPUP Leadership Academy. Science Education for Public Understanding Project. University of California, Berkeley
- April 15, 2004. IBM Learning Village Faculty Workshop. DePaul University. Chicago.
- July-December, 2003. Online Teaching Institute. Instructional Technology Development, DePaul University. Chicago, IL.
- February 5-7, 2003. Local Systemic Change Classroom Observation Protocol Training & Validation. Horizon Research, Inc. Chapel Hill, NC.
- May 16-18, 2001. Hierarchical Linear Modeling, Chicago, IL.
- April 16-21, 2001. Project 2061 FOCUS on Standards Workshop. San Antonio, TX.
- April 5-7, 2001. Urban Systemic/CPMSA Conference. Systemic Research, Inc. Tampa, FL.
- March 25-28, 2001. Annual meeting of the National Association for Research in Science Teaching. St. Louis, MO.
- March 24, 2001. Annual meeting of the National Science Teachers Association. St. Louis, MO.
- May 22-23, 2000. National Institute for Science Education Fifth Annual Forum: Diversity and Equity Issues in Mathematics and Science Education: What Do We Know? What Do We Need to Know? Detroit, MI.
- April 6-9, 2000. Annual meeting of the National Science Teachers Association. Orlando, FL.
- March 17-18, 2000. Key Indicator Data System (KIDS) Workshop for SI Evaluation and Assessment. Boston, MA.
- August 1-5, 1999. Harris Institute on Problem-Based Learning. Lisle, IL.
- November 16-18, 1999. Hierarchical Linear Modeling (HLM) Workshop with Steve Raudenbush and Anthony Bryk. Chicago, IL.
- February 1-2, 1999. National Institute for Science Education Fourth Annual Forum: Evaluation of Systemic Reform in Mathematics and Science. Arlington, VA.
- July 30-August 1, 1997. National Center for Education Statistics Summer Data Conference: An Information Mosaic: Local Solutions to National Issues. Washington, DC.

September 28, 1996. Technical Assistants' Training Westat*McKenzie Consortium.
Washington, DC.

April 12-13, 1996. National Science Education Standards Speakers Workshop. Hosted by: the
National Research Council and the Eisenhower National Clearinghouse for Mathematics and
Science Education. Columbus, OH.

October 24-27, 1993. International Conference on Public Understanding of Science and
Technology: Science and Democracy. Chicago, IL.

October 22-23, 1993. Workshop on Structural Equation Modeling (LISREL 8). The International
Center for the Advancement of Scientific Literacy. Chicago, IL.

Count = 99

COMPUTING SKILLS

- ◆ Current/Recent: Adobe Acrobat, Canvas, Firefox, Google Classroom, Microsoft 365, Prezi, Schoology, IBM SPSS Statistics 26, Thunderbird, Zotero.
- ◆ Prior: Assembler, BASIC, BlackBoard, C, DreamWeaver, Endnote X4, FileMaker Pro, FORTRAN, HLM5, Inspiration, LimeSurvey, N•Vivo, MasteryConnect, Moodle, Pascal, JMP, LISREL, NUD•IST, Pilot, SAS, SPSS (PASW 18), SYSTAT, TELEform.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES¹

American Association for the Advancement of Science (AAAS)*
American Education Research Association (AERA)
American Evaluation Association (AEA)
American Institute of Biological Sciences (AIBS)
Association for Constructivist Teaching (ACT)
Association for Supervision and Curriculum Development (ASCD)
Association of Educators of Teachers of Science (AETS)
Chicago Lesson Study Group | Lesson Study Alliance*
Hoosier Association of Science Teachers, Inc. (HASTI)
Illinois Science Teachers Association (ISTA)
International Association for the Study of Cooperation in Education (IASCE)
International History, Philosophy, and Science Teaching Group (IHPST)
Maine Science Teachers Association (MSTA)
Maryland Association of Science Teachers (MAST)*
National Association for Research in Science Teaching (NARST)
National Association of Biology Teachers (NABT)*
National Association of Professional Development Schools (NAPDS)
National Council of Teachers of Mathematics (NCTM)
National Science Education Leadership Association (NSELA)*
National Science Teachers Association (NSTA)*
School Science and Mathematics Association (SSMA)
Wisconsin Society of Science Teachers (WSST)*

¹ Asterisk “*” indicates that membership is active as of January 2021.