

CURRICULUM VITAE

Catherine Hurt Middlecamp

Nelson Institute for Environmental Studies
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University of Wisconsin-Madison

EDUCATION

- B.A. Cornell University
Chemistry major, Distinction in all subjects
1968-1972
- Ph.D. University of Wisconsin-Madison
Inorganic Chemistry
1972-1976
- M.S. University of Wisconsin-Madison
Counseling Psychology and Counselor Education
1985-1989

HONORS AND AWARDS

- 1971 Phi Beta Kappa
Cornell University, junior year
- 1972-76 Fellowship for graduate study
Danforth Foundation
- 1996 Award for Excellence in Leadership
Wisconsin Alumni Association
- 1998 Fellow, Teaching Academy
University of Wisconsin-Madison
- 2000 Pharmacia Award for Excellence in the Teaching of Chemistry
Department of Chemistry, University of Wisconsin-Madison
- 2001 Distinguished member, National Society of Collegiate Scholars
Elected by UW-Madison students
- 2002 Regional Award for Diversity
Women Chemists Committee, American Chemical Society
- 2003 Fellow
Association for Women in Science
- 2003 Alliant Energy/Underkofler Excellence in Teaching Award
University of Wisconsin System
- 2003-04 Teaching Scholar
University of Wisconsin System
- 2003 Fellow
American Association for the Advancement of Science

HONORS AND AWARDS (continued)

2006	2006 Award for Encouraging Women into Careers in the Chemical Sciences American Chemical Society
2006	Judith S. Craig Distinguished Service Award College of Letters & Science, University of Wisconsin-Madison
2009	Fellow (inaugural class) American Chemical Society
2009	Phi Beta Kappa Teaching Excellence Award University of Wisconsin-Madison
2010	Award for Incorporating Sustainability into Chemistry Education Committee for Environmental Improvement, American Chemical Society
2011	William E. Bennett Award for Extraordinary Contributions to Citizen Science Science Education for New Civic Engagements and Responsibilities (SENCER)
2011	Distinguished Honors Faculty Award Honors Program, University of Wisconsin-Madison
2011-2013	Howe Bascom Professorship, Integrated Liberal Studies Program
2015	2015 Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences, American Chemical Society
2015	UW-Madison Administrative Improvement Team Award University Housing, Move-Out Day
2017	Emil Steiger Teaching Award Office of the Chancellor, University of Wisconsin-Madison
2018	Fulbright Specialist, Chemistry Education U. S. Department of State
2019	2019 George C. Pimentel Award in Chemical Education American Chemical Society
2021	CIC Visiting Fellow (formerly Woodrow Wilson Visiting Fellow) Council of Independent Colleges

ACADEMIC EXPERIENCE

At University of Wisconsin-Madison:

Nelson Institute for Environmental Studies

Professor emerita, 2021–present

Professor, 2013–2020

Associate Professor, 2011–2013

Affiliate, 2008–2011

Office of Sustainability

Education Fellow, 2014–2015

Interim Co-director, 2015

Interim Director for Research and Education, 2015–2018

Director for Research and Education, 2019–2020

Integrated Liberal Studies Program

Professor, 2013–2019

Chair, 2009–2011

Chemistry Learning Center

Director, 1988–2011
Associate Director, 1979–1988

Department of Chemistry
Affiliate, 2011–present
Distinguished Faculty Associate, 2000–2011
Faculty Associate, 1987–1999
Associate Faculty Associate, 1984–1987
Lecturer, 1979–1983

Center for the Health Sciences
Minority Middle School Summer Enrichment Program
Program Coordinator, Chemistry, 1989–1993
Senior Instructor, Chemistry, 1985–1989
Instructor, Chemistry, 1983–1985

Summer Opportunity Program for Minority Students
Chemistry and Biology Instructor, 1979–1983

Other institutions:

University of Illinois at Champaign–Urbana
Department of Chemistry, Visiting Professor, 2004 (sabbatical)

Hobart and William Smith Colleges, Geneva, New York
Department of Chemistry, Assistant Professor, 1977–1979

Knox College, Galesburg, Illinois
Department of Chemistry, Danforth Teaching Intern, 1976–1977

GRANTS AWARDED or PENDING

National Science Foundation, \$18,000
Instructional Scientific Equipment Program
Laboratory Experiments in Nuclear Chemistry, 1978
Catherine Middlecamp

Project TROCHOS IBM/ACIS Equipment Grant
CHEMPROF—An Intelligent Chemistry Tutor, 1987
Catherine Middlecamp, Arthur Eggert, Elizabeth Kean

Undergraduate Teaching Improvement Council, \$1,000
University of Wisconsin System
CHEMPROF—An Intelligent Tutor for General Chemistry, 1990
Catherine Middlecamp, Arthur Eggert

UW System Institute on Race & Ethnicity, \$1,000
University of Wisconsin System
Race & Ethnicity in the Teaching of Chemistry—a New Course, 1991
Catherine Middlecamp and John Moore

UW At-Risk Undergraduate Initiative Fund, \$42,000
Academic Support in Organic/General Chemistry:
A proposal to meet the needs of at-risk students, 1992 (awarded yearly since then)
Catherine Middlecamp

UW At-Risk Undergraduate Initiative Fund, \$18,000
Peer Mentor Tutor Program in Chemistry & Physics, 1995 (awarded yearly since then)
Catherine Middlecamp, Anthony Jacob and Susan Nossal

UW System Institute on Race & Ethnicity, \$500, \$1,500
University of Wisconsin System
Reading Group: If You Poison Us, 2001
Environmental Chemistry & Ethnicity, 2003
Catherine Middlecamp and Omie Baldwin

American Chemical Society
Divisional Activities Committee (submitted as Program Chair, awarded to CHED)
2005, Graduate Student Programming: A Strategic Process for the Future, \$5000
2006, Connections to Germany (co-authored with Morton Z. Hoffman), \$7500

National Science Foundation, \$99,733
Toward a National Endeavor to Marshal Postsecondary STEM Education Resources to Meet Global Challenges: A planning proposal, May 2007–January 2008
Susan B. Millar, PI
Co-PIs: Catherine H. Middlecamp, Elaine Seymour, and Jean MacGregor

National Science Foundation, \$660,109
Engaging Critical Advisors to Formulate a New Framework for Change: Expansion of "Toward a National Endeavor to Marshal Postsecondary STEM Education Resources to Meet Global Challenges," August 2007–December 2010, <http://mobilizingstem.wceruw.org/>
Susan B. Millar, PI
Co-PIs: Catherine H. Middlecamp (Project Director), Elaine Seymour, and Jean MacGregor

Madison Initiative for Undergraduates, \$248,000
Expansion of Chemistry & Physics Learning Centers, 2009
Catherine Middlecamp and Susan Nossal

Fund for the Improvement of Post-Secondary Education, \$814,000
Mobilizing Disciplinary Societies on Behalf of Our Students ... and Our Planet
01/03/2011–01/02/2014
Association of American Colleges and Universities
Susan Elrod, PI
Catherine Middlecamp, PI, Subaward, \$51,714

Civilian Research and Development Foundation, \$14,972
Chemistry in Context & the Georgian Tbilisi State Medical University: A Partnership to Develop a Global Climate Change Curriculum
Catherine Middlecamp, PI, U.S. Team
Nana Ninashvelli, Co-PI, Georgian Team

National Science Foundation, \$599,994
1/15/12–12/31/16
Together for the Planet: Community Environmental Scholars Program and S-STEM
Catherine Middlecamp, PI
Co-PIs: Nicholas Balster, Robert Beattie, Teresa Holloway, Janet Silbernagel

National Socio-Environmental Synthesis Center, Venture Project
(3 meetings at SESYNC Center, ~\$150,000)

1/01/12–1/01/14

State Policies to Transform Undergraduate STEM Education

Catherine Middlecamp, PI

Co-PIs: Melvin George, Judith Ramaley

National Science Foundation, \$3,499,813

10/1/12-9/30/16

Science Education for New Civic Engagements and Responsibilities

Wm. David Burns, PI

Co-PIs: Monica Devans, David Ferguson, Catherine Middlecamp, Amy Shachter

National Science Foundation, \$194,926

9/15/2012 – 9/14/2016

WIDER: EAGER: State Policy and Undergraduate STEM Education: Uncharted ground

Catherine Middlecamp, PI

Co-PI: David Hawthorne

Sustainability in Education and Research (SIRE) UW-Madison, \$29,159

07/01/12--6/30/13

Sustainability: Walking the Talk

Catherine Middlecamp, PI

Sustainability in Education and Research (SIRE) UW-Madison, \$40,000

07/01/12--6/30/13

Appealing to student's stomachs – Integrating food system sustainability into physical and biological science courses

PI: Adrian Treves

Co-PIs: Holly Gibbs, Catherine Middlecamp

Sustainability in Education and Research (SIRE) UW-Madison, \$73,804

07/01/13--6/30/14

Campus Sustainability Game, Ver 2.0

Catherine Middlecamp, PI

Co-PIs: Christine Lupton, David Gagnon

Sustainability in Education and Research (SIRE) UW-Madison, \$48,544

Integrating teaching with research on sustainability

07/01/13--6/30/14

PI: Adrian Treves

Co-PIs: Holly Gibbs, Catherine Middlecamp

Morgridge Center for Public Service, UW-Madison, \$43,130

07/01/14--6/30/15

Community Environmental Scholars Program: Service Learning Capstone Proposal

Catherine Middlecamp, PI

Co-PI: Robert B. Beattie

Educational Innovation, UW-Madison, \$65,008

07/01/14--6/30/15

Mobile-enhanced Field Research Activities for Learning and Research

Catherine Middlecamp, PI
Co-PI: David Gagnon

U.S. Environmental Protection Agency, \$88,111
Exchange Network for Expanded Polystyrene Bio-Shipping Containers
9/1/2014 – 8/31/2017
Catherine Middlecamp, PI (transferred from Craig Benson, PI)

National Science Foundation, \$985,292
1/1/17–12/31/21
Together for the Planet 2.0: Community Environmental Scholars Program
Catherine Middlecamp, PI
Co-PIs: Robert Beattie, Paul Robbins, Monica White

National Science Foundation, \$3,000,000 (pending)
07/01/2021 to 06/30/2025
*Teaching High School Chemistry in the Context of Climate Change:
A Curriculum Development Proposal*
PI: M. Suzanne Donovan, SERP Institute
Co-PIs: Catherine Middlecamp and Steven Schneider

UW-MADISON CURRENT COURSES & WEBSITES

Integrated Liberal Studies 251, “Radioactivity, People, and the Planet”
Spring 2012 <http://www.chem.wisc.edu/middlecamp/251-spring12/>, Spring 2018

Environmental Studies 600, Capstone, “Radioactivity, People, and the Planet”
Fall 2011, Fall 2012, Fall 2015

Integrated Liberal Studies 400, Capstone, “Education, Leadership, and Character”
Fall 2011, Fall 2012, Fall 2013, Fall 2014 (syllabus not on line)

Chemistry 108, General Chemistry
Fall and Spring, 2005-2009 <http://www.chem.wisc.edu/middlecamp/108-Fall09/>

Chemistry 201, Environmental Chemistry and Ethnicity
Fall 2006 <http://www.chem.wisc.edu/middlecamp/201-fall06/>

Environmental Studies 126, Principles of Environmental Science
Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017
<http://nelson.wisc.edu/featured-courses/course-details.php?c=10>

Environmental Studies 402, Community Environmental Scholars Program Seminar
Fall and Spring semesters, 2011– present
<http://nelson.wisc.edu/undergraduate/cesp/index.php>

UNIVERSITY COMMITTEES and SERVICE

Nelson Institute for Environmental Studies

Search & Screen Committee, Environmental Justice Assistant Professor	2011
Academic Planning Council	2011–2014, 2019–2021
Executive Committee	2011–2020

Environment & Resources Admissions Committee	2011–2015
Center for Culture, History, and the Environment (CHE), Steering Committee	2012–2015
	2016–2019
Department of Chemistry	
Undergraduate Curriculum Committee	2000–2007
Undergraduate Relations Committee	2003–2005
Diversity Committee	2005–2008
Academic Staff Awards Committee, Chair	2005–2010
College of Letters & Science	
Advisory Committee on Minority Academic Affairs	1989–1991
Review Committee, Academic Staff Professional Development Grants, Chair	1991–1997
State Employees Combined Campaign, Coordinator	1999
Equity Action Committee, College of Letters & Science	1999–2000
Academic Advancement Program Advisory Committee	2000–2003
Wisconsin Emerging Scholars ad hoc Review Committee, Chair	2008
Search & Screen Committee, Associate Dean for Student Academic Affairs	2011
Faculty Honors Committee	2011–2012, 2014–2015
School of Pharmacy	
Diversity Committee	2013–2015
School of Education	
Committee to Re-Envision Teacher Education, member	2014–2015
University of Wisconsin-Madison	
Minority Recruitment and Retention Council	1981–1990
Academic Staff Assembly, Representative	1989–1992
Chancellor's Scholar Program, Mentor	1990–2010
University Committee on Minority Faculty and Academic Staff	1991–1993
Search & Screen Committee, Cross-Campus Advising Service	1994
Academic Staff Executive Committee, Member 1995–98 (Chair, 1995–96)	1992–1998
University Committee on Women in the University	1993–1996
University Committee on Academic Affairs of Minority/Disadvantaged Students	1993–1996
Inter-Institutional Linkage Program	
University of Puerto Rico-Rio Piedras and Mayagüez, Campus Delegate	1995
Search & Screen Committee, Provost	1995
Plan 2008 Committee to Review Ethnic Studies Requirement	2000–2003
Distinguished Prefix Review Committee	2000–03, 2003–05, 2006–2008
Physical Sciences Area Review Committee	2001–03, 2003–05, 2006–2008
Internal Review Committee for the Center for Biology Education	2001
Ethnic Studies Implementation Committee	2003–2005
Re-accreditation Steering Committee	2007–2009
Institute for Cross-College Biology Education Director Search Committee	2008
Introductory Biology Exploration Working Group, CALS	2009
Campus Sustainability Task Force	2010
Search & Screen Committee, Director of Sustainability, Research and Education	2011
Educational Innovation Design Team, Mobile Learning, Co-leader	2014
Environmental Science Major Executive Committee	2011–2015
Phi Beta Kappa, Alpha Chapter of Wisconsin, Vice President	2012–2013
Principal Investigator Committee, Graduate School	2012–2018
UW Teaching Academy, Executive Committee	2013–2014

Faculty Senate	2013–2015
University Academic Planning Council (UAPC)	2015–2019
Graduate Research Scholars (GRS) Review Committee, Graduate School	2017–2018
Sustainability Tracking Assessment & Rating System Data Working group	2018–2019
University of Wisconsin System	
Women in Science Program, Faculty Fellow	1994–1996
Undergraduate Teaching and Learning Grant Review Program	1999–2001
Academic Staff Leadership Conference, UW-Eau Claire, Delegate	1995
Board of Regents, University of Wisconsin System	
Study of the UW in the 21st Century, Mission and Roles Committee	1995–1996
Study of Instructional Academic Staff, Co-chair	1996–1997

NATIONAL SERVICE

American Association for the Advancement of Science (AAAS)

Education (Section Q)

Chair-elect	2016
Chair	2017
Past Chair	2018

American Chemical Society (ACS)

Chemistry in Context

Writing team (3 rd , 4 th , 5 th , and 6 th editions)	1996–2006
Editor-in-Chief (7 th and 8 th editions)	2007–2016

Chemistry in the Community

National Advisory Board	2008–2011
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Division of Chemical Education (CHED)

Chair-elect	2015
Chair	2016
Past Chair	2017

Committees:

CEI, Committee on Environmental Improvement, member	2016–present
Associate member	2014–2015
Program chair	2015–present
CHED, Executive Committee	2015–2017
CHED, Finance Committee	2015–present
Chair	2017–2019
CHED Program Committee, member	1993–2007
	2013–2015
CHED Program Committee, Chair	2005–2007
CHED Committee on Computers in Chemical Education	2000–2004
CHED International Activities Committee	2002–2006
National Award Selection Committees:	
<i>George C. Pimentel Award</i> for Chemical Education, member	2004–2006
<i>James Bryant Conant Award</i> , member and chair (2012)	2010–2012
<i>ACS Fellows Selection Committee</i> , member	2010–2012
<i>ACS [Unnamed] National Award Committee</i> , member	2018–present

American Indians in Science and Engineering Society (AISES)	
Faculty advisor to UW-Madison Chapter	2006–2015
Association for Women in Science (AWIS)	
National Executive Board, Councilor	2000–2002
Membership Committee, Chair	2003–2007
National Executive Board, Secretary	2007–2009
Association of American Colleges and Universities	
Women and Scientific Literacy: Establishing Two-Way Streets	
National Advisory Board	1994–1999
Knowledge Network, Advisory Board	1998–2009
Diversity & Democracy, Advisory Board	2007–2019
Global Learning and Social Responsibility Initiative	
Global Learning Leadership Council	2010–2011
Civic Prompts in the Major:	
Designs in Social Responsibility and the Public Good	2019-2020
Chemical Heritage Foundation	
Women’s Oral History Project, interviewee	2008
Women in Chemistry Advisory Board	2009–2011
Malta Conference Foundation	2016 - present
Board of Directors, member	
National Academy of Sciences, Engineering and Medicine	
National Academies Keck Futures Initiative	2013
The Future of Advanced Nuclear Technologies	
Committee on Preparing the Next Generation of Science Policy Makers for Science-Based Decisions	2014–2016
Committee on Science, Technology and Law Policy and Global Affairs	
Committee on Supplemental Treatment of Low-Activity Waste at the Hanford Nuclear Reservation	2017-2019
Nuclear and Radiation Studies Board Division on Earth and Life Sciences	
National Science Foundation	
Review Panels:	
Teacher Enhancement and Instructional Materials Development	1995
Women & Girls in Science Program	1998
Course, Curriculum, and Laboratory Improvement program	
Educational Materials Development	2004
Research on Gender in Science and Engineering	2006
S-STEM	2013, 2019
External Evaluator for projects:	
University of Alaska, Fairbanks	
Uranium & Alaskan Natives Curriculum Project for the International Polar Year	2006–2009
Middle Tennessee State University	
Group Learning in an Interdisciplinary Physical Science Course for Non-Science Majors	2007–2010
National Advisor for projects:	
Montana State University	
Science and Engineering for All	1997–1999

University of Puerto Rico, Cayey Developing Collaborative Computer-based Laboratory Activities	2003–2007
Project Kaleidoscope	
Project That Works – Chemistry Learning Center	1994
Task Force Leader, Women and Diversity	1995–1999
Village Elder	2001–2006
POGIL (<i>Process Oriented Guided Inquiry Learning</i>)	
National Advisory Board	2006–2011
SENCER (<i>Science Education for New Civic Engagements</i>)	
National Center for Science and Civic Engagement	
Harrisburg University of Science and Technology	
SENCER Senior Associate	2000–2020
National SENCER Model Developer	2004
National Fellowship Board	2007–2020
Great Lakes Innovative Stewardship through Education Network (<i>GLISTEN</i>)	
National Advisory Board	2009–2012
The College Board	
Chemistry Advanced Placement (AP) Exam Writing Committee	2009–2010
 OTHER NATIONAL SERVICE	
American Junior Academy of Science	
Breakfast with Scientists, mentor	2011-2013
2011 AAAS Annual meeting, Washington, DC	
2012 AAAS Annual meeting, Vancouver, BC	
2013 AAAS Annual meeting, Chicago, IL	
Arizona State University	
External Science Experts Committee	2000–2002
U.S. Department of Education	
Civic learning and democratic engagement initiative, roundtable	2011
Iñisaġvik College	
Barrow, AK	
Summer Session 2019	
Arctic Perspectives on Sustainability and Climate Change	2019
Chemistry 195 (2 credits) co-instructor, Timothy Lindstrom	
Kennesaw State University	
Interdisciplinary Science Curriculum, External Reviewer	2002
Rutgers University	
External Review Panel for Academic Support Services	2002
International Center for First-Year Undergraduate Chemistry	
University of Illinois, Champaign–Urbana, Founding Board Member	2004–2008
Knowles Science Teaching Foundation	
2008 Cohort of Science and Mathematics Teaching Fellows	

Selection Committee Member	2008
Madonna University External Consultant, SENCER project	2011
National Academies of Science & American Chemical Society Determining an Effective U.S. Celebration of the International Year of Chemistry	2010
University of Michigan at Ann Arbor The Science Learning Center, External Review Committee	2001
University of Michigan at Ann Arbor Researching Apun: Students using local, traditional, and science knowledge bases to investigate Arctic snow processes National Advisory Board	2018-present
University of Nebraska at Lincoln Committee to review the Environmental Studies and Science Program Chair	2017
University of Utah Science Education Web Site Developers Meeting, Invited developer	1999, 2000
Worcester Polytechnic University Consultant to WPI Sustainability Task Force	2011

PUBLICATIONS

1. Catherine J. Hurt, Joseph C. Calabrese and Robert West, Cyclic Polysilanes VIII., The Crystal Structure of 1,2,3,4-tetra-tert-butyltetramethylcyclotetrasilane, *J. Organometal. Chem.*, 91, 273 (1975).
2. V.N. Mallikarjuna Rao, Catherine J. Hurt, K. Kusuda, Joseph C. Calabrese and Robert West, Dodecachlorotetracyclo [7.2.1.0^{D2},8^G.0^{D5},12^G] dodeca-3,6,10-triene, A Fully Chlorinated Valence Isomer of 12 Annulene, *J. Amer. Chem. Soc.*, 97, 6785 (1975).
3. Wieslaw Wojnowski, Catherine J. Hurt and Robert West, Cyclic Polysilanes IX., The Reaction of Cyclopermethylpolysilanes and α , ω -dichloropermethylpolysilanes with Chlorine, *J. Organometal. Chem.*, 124, 271 (1977).
4. Catherine H. Middlecamp and Robert West, Preparation of α , ω -dibromopermethylpolysilanes and characterization of these and related chloropermethylpolysilanes by mass spectrometry, *J. Organometal. Chem.*, 140, 133 (1977).
5. Catherine H. Middlecamp and Elizabeth Kean, Special Programs for Special Students I., Providing assistance for nontraditional students, *J. Chem. Educ.*, 60, 960 (1983).
6. Elizabeth Kean and Catherine H. Middlecamp, Special Programs for Special Students II., Design of assistance programs for nontraditional students, *J. Chem. Educ.*, 60, 1055 (1983).

7. Catherine H. Middlecamp and Elizabeth Kean, Generic and Harder Problems: Teaching Problem Solving, *J. Chem. Educ.*, 64, 517 (1987).
8. Catherine Middlecamp and Elizabeth Kean, Problems and "That Other Stuff": Types of Chemical Content, *J. Chem. Educ.*, 65, 53 (1988).
9. Elizabeth Kean, Catherine H. Middlecamp and D. L. Scott, Teaching students to use Algorithms for Solving Generic and Harder Problems in General Chemistry, *J. Chem. Educ.*, 65, 987 (1988).
10. Arthur Eggert, Catherine Middlecamp and Elizabeth Kean, An Oxidation Number Assignment Expert for CHEMPROF, *J. of Chem. Inf. Comput. Sci.*, 30, 181 (1990).
11. Arthur Eggert, Catherine Middlecamp and Elizabeth Kean, CHEMPROF, a tutor for General Chemistry, *J. of AI in Education*, 2, 47 (1990).
12. Arthur Eggert, Catherine Middlecamp and Elizabeth Kean, CHEMPROF, an Intelligent Tutor for General Chemistry, *J. Chem. Educ.*, 68, 403–407 (1991).
13. Arthur Eggert, Catherine Middlecamp and Anthony Jacob, "CHEMPROF: the Chemical Literacy Problem", 2nd International Conference on Intelligent Tutoring Systems (refereed conference), Montreal, Canada, June 10–12, 1992.
14. Arthur Eggert, Anthony Jacob and Catherine Middlecamp, "Converting Chemical Formulas to Names: An Expert Strategy, *J. of Chem. Inf. Comput. Sci.*, 32, 227–233 (1992).
15. Arthur Eggert, Anthony Jacob and Catherine Middlecamp, "Converting Chemical Names to Formulas: A Second Expert Problem, *J. of Chem. Inf. Comput. Sci.*, 33, 458–465 (1993).
16. Catherine Hurt Middlecamp and John W. Moore, Race and Ethnicity in the Teaching of Chemistry: A New Graduate Seminar, *J. Chem. Educ.*, 71, 288 (1994).
17. Catherine Hurt Middlecamp and Omie Baldwin, The Native American Indian Student in the Science Classroom: Cultural Clash or Match? Proceedings of the Third International History, Philosophy, and Science Teaching Conference (refereed conference), University of Minnesota, October 29–November 2, 1995, p. 776–787 (1995).
18. Catherine Hurt Middlecamp and Banu Subramaniam, Feminist Pedagogy: Useful ideas for Teaching Chemistry, *J. Chem. Educ.*, 76, 520 (1999).
19. Catherine Hurt Middlecamp and Mary Ann Davison Fernandez, From Puerto Rico to Wisconsin: Cultural perspectives on teaching general chemistry, *J. Chem. Educ.*, 76, 388 (1999).
20. Catherine Hurt Middlecamp, book review of *The Courage to Teach: Exploring the Inner Landscape of a Teacher's Life*, by Parker Palmer, *J. Chem. Educ.*, 76, 1625 (1999).
21. Catherine Hurt Middlecamp and Anne-Marie L. Nickel, Doing Science and Asking Questions: An Interactive Exercise, *J. Chem. Educ.*, 77, 50 (2000).
22. Teresa Larson and Catherine Middlecamp, A "Companion Course" in General Chemistry for Pre-Education Students, *J. Chem. Educ.*, 80, 165 (2003).
23. Catherine Middlecamp, Give This Book to a Chemistry Professor? *National Women's Studies Association Journal*, Volume 16, No.1, Spring 2004.
24. Catherine Hurt Middlecamp and Anne-Marie L. Nickel, Doing Science and Asking Question II: An Exercise That Generates Questions, *J. Chem. Educ.*, 82, 1181–1186 (2005).
25. Catherine H. Middlecamp, Koni Stone, and Cinzia Muzzi, Program for the Division of Chemical Education: San Diego, March 12–17, 2005, *J. Chem. Educ.*, 82, 355 (2005).

26. Catherine H. Middlecamp, Conrad Bergo and Vic Shanbhag, Program for the Division of Chemical Education: Washington DC, August 28–September 1, 2005, *J. Chem. Educ.*, 82, 1123–1129 (2005).
27. Catherine Hurt Middlecamp, Trace Jordan, Amy Schlacter, Susan Lottridge, Karen Kashmanian Oates, Chemistry, Society and Civic Engagement, Part I: the SENCER Project, *J. Chem. Educ.*, 83, 1301–1307 (2006).
28. Catherine Hurt Middlecamp, Anne Kathleen Bentley, Margaret Phillips and Omie Baldwin, Chemistry, Society and Civic Engagement, Part II: Environmental Chemistry & Ethnicity. *J. Chem. Educ.*, 83, 1308–1312 (2006).
29. Catherine H. Middlecamp, *Stacey Lowery Bretz*, and *Renee Cole*, Program for the Division of Chemical Education: Atlanta, March 26–30, 2006, *J. Chem. Educ.*, 83, 359–367 (2006).
30. Catherine H. Middlecamp, Boyd L. Earl, and Joseph L. March, Program for the Division of Chemical Education: San Francisco, September, 2006, *J. Chem. Educ.*, 83, 1262–1271 (2006).
31. Catherine Hurt Middlecamp, Accentuate the Positive; Eliminate the Negative? *J. Chem. Educ.*, 84, 31 (2007).
32. Catherine H. Middlecamp, Wayne Jones, and George Bodner, Program for the Division of Chemical Education: Chicago, March, 2007, *J. Chem. Educ.*, 84, 394–401 (2007).
33. Catherine H. Middlecamp, Ingrid Montes, and Maria Oliver-Hoyo, Program for the Division of Chemical Education: Boston, August, 2007, *J. Chem. Educ.*, 84, 394–401 (2007).
34. Catherine Middlecamp, Chemistry in Context: Evidence, Goals, and Gaps, Promising Practices-Innovations in Undergraduate STEM Education, Board of Science Education, The National Academies, June 30, 2008. http://sites.nationalacademies.org/DBASSE/BOSE/DBASSE_080106
35. Catherine Hurt Middlecamp, The Old Woman and The Rug: The Wonder and Pain of Teaching (and Learning) Chemistry, *Feminist Teacher*, Volume 19(2), 2009.
36. Catherine Middlecamp, To Roosevelt Island (and Back), *J. Chem. Educ.*, 88, 123-124 (2011).
37. Catherine Middlecamp, Learning Chemistry for an Exciting (and Uncertain) Future, *J. Chem. Educ.*, 90, 395-397 (2013).
38. John Perkins, Catherine Middlecamp, David Blockstein, Jennifer Rivers Cole, Robert H. Knapp, Kathleen M. Saul, and Shirley Vincent, Energy education and the dilemma of mitigating climate change, *J Environ Stud Sci*, 12 October 2014.
39. Linda Nicholas-Figueroa, R. Barnhardt, Larry Duffy, Kriya Dunlap, Mary van Muelken, and Cathy Middlecamp, Delivering Post-secondary STEM education on the North Slope, Alaska: Resilience and Adaptation. *International Research in Education* 3(2), 80-92, (2015).
40. David Blockstein, Catherine Middlecamp, John Perkins, Energy Education: Easy, Difficult, or Both? *J. Sustainability Educ*, Vol 8, January 2015.
41. Timothy Lindstrom, Faramarz Vakili, and Catherine Middlecamp, Light Bulbs: A Bright Idea for Teaching and Learning Sustainability, *Sustainability: J of Record*, Volume 8(2) April 2015.
42. Catherine Middlecamp, Encouraging disadvantaged students in chemistry: Four-part harmony (or disharmony), Awards Address, *J. Chem. Educ.*, 92, 1589–1592 (2015).
43. Bruce Barrett, Maggie Grabow, Cathy Middlecamp, Margaret Mooney, Mary Checovich, Alexander Converse, Bob Gillespie, Julia Yates Mindful Climate Action: Health and

- Environmental Co-Benefits from Mindfulness-based Behavioral Training, *Sustainability* 2016, 8(10), 1040; doi:10.3390/su8101040.
44. Thomas W. Bryan and Catherine Middlecamp, Learning through eating: Bringing campus dining operations into an environmental science course, *Sustainability: J of Record*, Volume 10(1), 30-38, February 2017.
 45. Timothy Lindstrom and Catherine Middlecamp, Campus as a Living Laboratory for Sustainability: The Chemistry Connection, *J. Chem. Educ.*, 94, 1036-1042 (2017).
 46. Linda Nicholas-Figueroa, Rebekah Hare, Lawrence K Duffy, Mary van Muelken, and Catherine Middlecamp, Iñisaḡvik Tribal College's Summer Climate Program: Teaching STEM Concepts to North Slope Alaska High School and Middle School Students, *J Environ Stud Sci*, 7:425-434 (2017).
 47. Thomas W. Bryan and Catherine Middlecamp, The Story of Crispy Golden Tofu, *Sustainability: J of Record*, Volume 10(4) 1-7 (2017).
 48. Timothy Lindstrom and Catherine Middlecamp, Campus as a Living Laboratory for Sustainability: The Physics Connection, *Physics Teacher*, 56(4) 240-243 (2018).
 49. Catherine Middlecamp, Teaching and Learning Introductory Chemistry Courses in Context: A 40-Year Reflection, *Education Quimica*, 29(1) 65-76 (2018).
 50. Maggie Grabow, Thomas Bryan, Mary Checovich, Alexander Converse, Cathy Middlecamp, Margaret Mooney, Elisa Torres, Samuel Younkin, Bruce Barrett, Mindfulness and Climate Change Action: A Feasibility Study, *Sustainability*, 10(5):1508 (2018).
doi: [10.3390/su10051508](https://doi.org/10.3390/su10051508)
 51. Catherine Middlecamp, Sustainability in the Chemistry Curriculum: A Call for Action, *Isr. J. Chem.*, 59, 504-513 (2019). <https://doi.org/10.1002/ijch.201800069>
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- 1a. Catherine Middlecamp, Students speak out on Collaborative Learning, National Institute for Science Education, Collaborative Learning, 1998.
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- 2a. Catherine Middlecamp, Student Portfolios in a Writing Intensive Chemistry Course, National Institute for Science Education, Field-Tested Learning Assessment Guide, Classroom Assessment Techniques, 1999. www.flaguide.org/tools/portfolios/chem108/chm08.htm
- 3a. Catherine Middlecamp, Using the Web to Access Real-World Data, National Institute for Science Education, Learning Through Technology, 2001.
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- 4a. Cathy Middlecamp, The UWS Women in Science Curriculum Reform Institute: Seven Reflections from Seven Summers, *On Campus With Women*, Association of American Colleges & Universities, Vol. 32, No 3-4, Spring/Summer 2003.
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- 5a. Catherine Middlecamp, Faculty Profile, UWS Institute on Race and Ethnicity Kaleidoscope II, UW–Milwaukee, Winter 2003, p. 10–11.
- 6a. Cathy Middlecamp, The Art of Engagement, Winter 2004 CONFChem, Division of Chemical Education, Jan. 12–Feb. 10, 2004.
<http://www.ched-ccce.org/confchem/2004/a/index.html>
- 7a. Cathy Middlecamp, Laura Pence, Harry Pence, Frequently Asked Questions for ACS Division of Chemical Education Symposium Organizers, January 2004, ACS Division of Chemical Education web site, <http://divched.chem.wisc.edu/sympfaq.htm>
- 8a. Laura Pence, Cathy Middlecamp, Harry Pence, Meeting Co-Chairs Manual, February 2004, ACS Division of Chemical Education web site, <http://divched.chem.wisc.edu/>
- 9a. Catherine Middlecamp and Omie Baldwin, Environmental Chemistry & Ethnicity, SENCER Model Series, 2004. http://serc.carleton.edu/sencer/uranium_american_indians/index.html
- 10a. Catherine Hurt Middlecamp and Paul Kelter, First Year Chemistry (Arguably), *Chem. Educator*, 2004, 9, 182–183.
- 11a. Paul Kelter, Carlos M. Castro-Acuna, Catherine Hurt Middlecamp, The Case for an International Center on First Year Chemistry as a Means of Dealing with a Mid-Life Crisis, *Chem. Educator*, 2004, 9, 255–256.
- 12a. Catherine Hurt Middlecamp, Michael D. Mosher, and James D. Carr, General Chemistry: Thinking Beyond the Course GPA, *Chem. Educator*, 2004, 10, 314–316.
- 13a. Catherine Hurt Middlecamp and Paul Kelter, First-Year Chemistry Undergraduate Education International Conference: A Report from the Inaugural Conference, *Chem. Educator*, 2006, 11, 49–54.
- 14a. Cathy Middlecamp, A CHED Programming Home Companion CONFCEM, The Division of Chemical Education: Ensuring the Future through Education, October 13–30, 2006.
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- 15a. Lawrence K. Duffy, Catherine H. Middlecamp, Anna Godduhn, and Cynthia Fabbri, Using Culture, Policy and Traditional Knowledge to Improve Engagement in Science Courses, *Am. J. Applied Sciences*, 6 (8): 1560-1566, 2009.

- 16a. Cathy Middlecamp, If We Aren't Careful, We Will End Up Where We Are Going, *On Campus with Women*, Association of American Colleges and Universities, Vol. 39(3), 2011.
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- 18a. Robert Beattie and Catherine Middlecamp, Community Environmental Scholars, Working "Together, for the Planet," Diversity & Democracy, Association of American Colleges and Universities, Vol. 15 (3), 2012.
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- 21a. Catherine Middlecamp, "Sustainability: Equipping our students as future citizens, teachers, and scientists" *Daruna*, vol. 47, pages 38-43, 2019.

Books

- 1b. Elizabeth Kean and Catherine Middlecamp, The Success Manual for General Chemistry, Random House, New York, NY 1986.
- 2b. Catherine Middlecamp dan Elizabeth Kean, Panduan Belajar Kimia Dasar, Penerbit P.T. Gramedia, Jakarta, Indonesia, 1986 (Indonesian language version of the above.)
- 3b. Elizabeth Kean and Catherine Middlecamp, How to Survive (and Even Excel) in General Chemistry, McGraw-Hill, Dubuque, IA 1994.
- 4b. Conrad Stanitski, Lucy Pryde Eubanks, Catherine Middlecamp and Wil Stratton, Chemistry in Context, 3rd edition, McGraw-Hill, Dubuque, IA 2000.
- 5b. Conrad Stanitski, Lucy Pryde Eubanks, Catherine Middlecamp and Norb Pienta, Chemistry in Context, 4th edition, McGraw-Hill, Dubuque, IA 2003.
- 6b. Wilmer J. Stratton, Gail Steehler, Norbert Pienta and Catherine Middlecamp, Laboratory Manual to accompany Chemistry in Context, 4th edition, McGraw-Hill, Dubuque, IA 2003.
- 7b. Cathy Middlecamp and José Laboy, Laboratory Manual, Chemistry 108, published each semester fall/spring, UW Department of Chemistry, 2002 – 2010.
- 8b. Lucy Pryde Eubanks, Catherine Middlecamp, Norb Pienta, Gabriela Weaver and Carl Heltzel, Chemistry in Context, 5th edition, McGraw-Hill, Dubuque, IA, 2006.
- 9b. Lucy Pryde Eubanks, Catherine Middlecamp, Carl Heltzel, and Steve Keller, Chemistry in Context, 6th edition, McGraw-Hill, Dubuque, IA, 2009.
- 10b. Catherine Middlecamp, Steve Keller, Karen Anderson, Anne Bentley, Michael Cann, Jamie Ellis, Chemistry in Context, 7th edition, McGraw-Hill, Dubuque, IA, 2011.

- 11b. Catherine Middlecamp, *Sustainability! What, How, and Why Now for All Our Chemistry Students*, in Catherine Middlecamp and Andrew Jorgensen, Eds. Sustainability in the Chemistry Curriculum, ACS Symposium Series 1087, American Chemical Society, Washington, DC, 2011.
- 12b. Catherine Middlecamp, Michael Mury, Karen Anderson, Anne Bentley, Michael Cann, Jamie Ellis, Katie Purvis-Roberts, Chemistry in Context, 8th edition, McGraw–Hill, Dubuque, IA, 2015.
- 13b. Irv Levy and Catherine Middlecamp, Eds. Teaching and Learning About Sustainability, ACS Symposium Series 1205, American Chemical Society, Washington, DC, 2016.
- 14b. Sherine Obare, Catherine Middlecamp, and Keith Peterman, Eds. Chemistry Education for a Sustainable Society, Vol 1 and Vol II, ACS Symposium Series 1344, American Chemical Society, Washington, DC, 2020.

Invited Chapters in Books/Monographs

- 1c. Catherine Middlecamp, *Culturally Inclusive Chemistry*, in Teaching the Majority: Science, Mathematics and Engineering that Attracts Women, Sue V. Rosser, Ed., Teachers College Press, New York, NY 1995.
- 2c. Caryn McTighe Musil, Ed., Frequently Asked Questions About Feminist Science Studies, Catherine Middlecamp, contributing author, The Association of American Colleges & Universities, Washington, DC 1999.
- 3c. Catherine Middlecamp, *How Can We Improve our Science Teaching? A Case for Cultural Knowledge* in Flickering Clusters: Women, Science and Collaborative Transformations, University of Wisconsin Press, Madison, WI 2001.
- 4c. Catherine Middlecamp and Banu Subramaniam, *What is Feminist Pedagogy? Useful Ideas for Teaching Chemistry*, in Gender, Science, & the Undergraduate Curriculum, Caryn McTighe Musil, Ed., Association of American Colleges and Universities, Washington, DC, 2001, pages 107-121.
- 5c. Catherine Middlecamp, *Diversity in the Physical Science Curriculum: The Intellectual Challenge*, in The Handbook of College Science Teaching, Joel Mintzes, Ed., National Science Teachers Association, 2006.
- 6c. Catherine Middlecamp, *Sustainability! What, How, and Why Now for Our Chemistry Students*, in Sustainability in the Chemistry Curriculum, Catherine Middlecamp and Andrew Jorgensen, Eds., ACS Symposium Series 1087, American Chemical Society, Washington, DC, 2011.
- 7c. Lawrence K. Duffy, Anna Godduhn, Kriya Dunlap, Mary van Muelken, and Catherine Middlecamp, *Sustainability and Chemistry: Key concepts in an Arctic-focused interdisciplinary course*, in Sustainability in the Chemistry Curriculum, Catherine Middlecamp and Andrew Jorgensen, Eds., Symposium Series 1087, American Chemical Society, Washington, DC, 2011.
- 8c. Catherine Middlecamp, *Teaching and Learning on Nuclear Landscapes: Nuclear Unclear*, in Science Education and Civic Engagement: The Next Level, Richard Sheardy and Wm. David Burns, Eds., Symposium Series 1121, American Chemical Society, Washington, DC, 2012.
- 9c. Catherine Middlecamp, *Chemistry Education That Makes Connections: Promoting Sustainability*, in Chemistry Education: Best Practices, Opportunities, and Trends, Javier Garcia-Martinez, Elena Serrano-Torregrosa, Eds., Wiley-VCH, Verlag GmbH & Co. KGaA, 2015.

- 10c. Timothy Lindstrom and Catherine Middlecamp, *A Triple Bottom Line Analysis of Energy Efficient Lighting*, in Learner-Centered Teaching Activities for Environmental and Sustainability Studies, Loren B. Byrne, Ed., Springer, New York, 2016.
- 11c. Catherine Middlecamp, *Teaching and Learning About Sustainability: The View from CHED*, in Teaching and Learning About Sustainability, Irv Levy and Catherine Middlecamp, Eds. ACS Symposium Series 1205, American Chemical Society, Washington, DC, 2016.
- 12b. Catherine Middlecamp and Thomas Bryan, *Campus as Living Laboratory for Sustainability: Food*, in Sherine Obare, Keith Peterman, and Catherine Middlecamp, Eds. Creating a Balanced World: Incorporating Sustainability into Chemical Education, ACS Books, American Chemical Society, Washington, DC, 2020 (in review).

Multimedia and Software

- 1d. Arthur Eggert, Catherine Middlecamp, Anthony Jacob and Elizabeth Kean, CHEMPROF: An Intelligent Tutor, Falcon Software, 1994.
- 2d. Catherine Middlecamp (team leader), Ken Brooks, Paul Kelter, Elizabeth Kean, and John Gelder, Liftoff! Chemistry, A Problem Based Approach, John Wiley and Sons, 1996.
- 3d. Catherine Middlecamp, editor, Ram Lamba, project director, Discovery Labs for General Chemistry on the WWW, 1998.
- 4d. Catherine Middlecamp (Lead author and editor), Norb Pienta, Conrad Stanitski, and Lucy Pryde Eubanks, *Figures Alive!* Interactive multi-media activities to accompany Chemistry in Context, 4th Edition, 2002.
- 5d. Catherine Middlecamp (Lead author and editor), Norb Pienta, Lucy Pryde Eubanks, and Gabriela Weaver. *Figures Alive!* Interactive multi-media activities to accompany Chemistry in Context, 5th Edition, 2005
- 6d. Catherine Middlecamp (Lead author and editor), Norb Pienta, Lucy Pryde Eubanks, and Gabriela Weaver. *Figures Alive!* Interactive multi-media activities to accompany Chemistry in Context, 6th Edition, 2008.
http://highered.mcgraw-hill.com/sites/0073048763/student_view0/chapter1/figures_alive.html

INVITED NAMED LECTURE SERIES AND AWARDS ADDRESSES

Computers in Chemistry Education, Howard Hughes Program Lecture Series, University of Puerto Rico, Mayagüez, PR, February 14–16, 1995.

Answers That Lie in the Questions, Women and Minority Artists and Scholars Lecture, Virginia Institute of Technology, Blacksburg, VA, April 27, 2000.

Uranium and U; and *The Radium Girls and the Firecracker Boys*, 8th Annual S. Dexter Squibb Distinguished Lectureship, University of North Carolina at Asheville, October 16–18, 2005.

The Old Woman and the Rug, Awards Address, Awards Symposium in Honor of Cathy Middlecamp, 231st National Meeting of the American Chemical Society, Atlanta, GA, March 26–30, 2006.

To Roosevelt Island (and back), Sustainability in the Chemistry Curriculum Award Symposium, 241st National Meeting of the American Chemical Society, Anaheim, CA, March 27, 2011.

Matching Our Curriculum to our Planet, Departmental Woods Lecture, Butler University, Indianapolis, IN, April 7, 2011.

Encouraging disadvantaged students in chemistry: Four-part harmony (or disharmony), Awards Address, Awards Symposium in Honor of Cathy Middlecamp, 249th National Meeting of the American Chemical Society, Denver, CO, March 22–26, 2015.

Learning Science by Making Connections: Energy, Food, and Trash, Britton C. & Lucille McCabe Lecture, Springfield College, Springfield, MA. April 1, 2015.

The World is not Made of Atoms; It is Made of Stories, Awards Address, Our Common Future, Awards Symposium in Honor of Cathy Middlecamp, Spring National Meeting of the American Chemical Society, Orlando, FL, March 31–April 4, 2019.

INVITED KEYNOTE ADDRESSES and PLENARY LECTURES

Female-Friendly Pedagogy: Views from Both Learners and Teachers, Women in Science: An Under-Utilized Resource for Science, Mathematics, Engineering and Technology, Project Kaleidoscope, DePauw University, Greencastle, IN, October 30–November 1, 1998.

Gender-Conscious Pedagogies in Action, Science, Gender, and Community Curriculum Reform Institute, University of Wisconsin System Women in Science Program, University of Wisconsin–Oshkosh, June 12–16, 1999; June 10–14, 2000; June 9–13, 2001; June 8–12, 2002; June 14–18, 2003.

Teaching College Chemistry with an Eye Towards Culture, Ethnicity and Gender: A Personal Journey, Excellence in Teaching Undergraduate Science and Mathematics: National and Chicago Perspectives, Second Annual Symposium, Chicago Collaborative for Excellence in Teacher Preparation, DePaul University, Chicago, IL, January 28, 2000.

Answers that Lie in the Questions, The National Society of Collegiate Scholars, Memorial Union Theater, University of Wisconsin-Madison, Madison, WI, September 16, 2001.

Helping Students Learn Science: A Holistic View, National College Learning Center Association, 18th Annual Conference, Chicago, IL, October 1–3, 2003.

The Art of Engagement, Colorado Chemistry Teacher's Association, University of Colorado, Boulder, CO, October 23, 2004.

As If People Mattered; As If Our Planet Were at Stake, Association of American Colleges and Universities, Shared Futures/Common Ground: Science, General Education, and Global Learning, Sonoma State University, Sonoma, CA. July 15–20, 2007.

As if Our Students Mattered; As if Our Planet Were at Stake, Fifth International Conference on Chemistry Teaching at College and Pre-College Levels, Santiago, Chile. November 14–16, 2007.

Does This Plane Have Wings? SENCER Summer Institute, Santa Clara University, Santa Clara, CA. August 7–10, 2008.

As if the Concerns of Our Students Mattered; As if Our Planet Were at Stake, 2008 Arctic Science Conference, AAAS, Fairbanks, AK. September 22–24, 2008.

We Are Teaching As If ...? 16th Annual Washington Chemistry Conference Teachers Association, Sleeping Lady Mountain Retreat, Leavenworth, WA, October 16–18, 2008.

What on Earth Are We Doing? jointly with Jay Labov, National Research Council, SENCER Summer Institute, Roosevelt University, Chicago, IL. August 5–9, 2009.

The Changing Climate of Climate Change, jointly with Sharon LeDuc, NOAA, Jay Labov, National Research Council, SENCER Summer Institute, University of North Carolina, Asheville, July 26–August 2, 2010.

To Roosevelt Island ... and Back, Matching Our Science Curriculum to our Planet, SENCER Western Regional Meeting, Kapiolan'i Community College, Honolulu, HI, October 9–11, 2010.

Unclear Nuclear, jointly with Jay Labov, National Academy of Sciences, 2011 SENCER Summer Institute, Butler University, Indianapolis, IN. July 20-25, 2011.

Mobilizing STEM Education for a Sustainable Future, UW System Chemistry Faculties Meeting, UW-Stout, Menominee, WI. October 21-22, 2011.

Science, Sustainability, and SENCER, jointly with Jay Labov, National Academy of Science, 2012 SENCER Summer Institute, Santa Clara University, San Jose, CA. August 2-5, 2012.

Nuclear, Unclear, 13th Annual Conference on Case Study Teaching in Science, Buffalo, NY, September 21-11, 2012.

How We Live & Learn on Campus Tells Us Much About Life (and Death) Issues in the Larger World, SENCER Summer Institute, Santa Clara University, Santa Clara, CA. August 1–5, 2013.

How We Live & Learn on Campus Tells Us Much About Life (and Death) Issues in the Larger World, Best Practices for Linking STEM and Civic Engagement, Maine EPSCoR and Maine Campus Compact, University of Southern Maine, Portland, ME, October 7, 2013 and University of Maine, Orono, October 8, 2013.

Using campus as a living learning laboratory for sustainability, Northern Virginia Community College, Annandale, VA, November 20, 2013.

Learning Science by Making Connections: Energy, Food, and Trash, 2014 Cottrell Scholars Conference, Tucson, AZ, July 9-11, 2014.

Sustainability, What, How, and Why Now? Version 2.0, Systematic Transformation through Evidence-based Reforms, University of South Florida, Tampa, FL, October 21, 2015.

Content or Context? Both! 213th 2YC3 Conference, Teaching Chemistry through its Social Impacts, San

Diego City College, March 11-12, 2016.

Teaching and Learning with Energy, Food, and Trash, STEM Education in Mississippi, Issues & Innovations, Mississippi American Chemical Society, Belhaven University, Jackson, MS, September 29, 2017.

Sustainability: Opening the door to Civic Engagement, Gather at the River: Science and Civic Engagement Retreat at Tara Wildlife, Tara Wildlife, Vicksburg, MS. May 19-23, 2018.

Sustainability: Equipping our Students as Citizens, Future Teachers, and Future Scientists, The 4th Haifa Conference on Science Education, “Reforms in Science Teaching and Learning toward the 21st Century,” Academic Arab College for Education in Education, Haifa, Israel, December 11-13, 2018.

Planning a Zero Waste Event: The Inside Story, with Riley Collins, Catie McDonald and Students from TWU, 2020 Regional Symposium, “*Citizen Science: The Impact on our Communities by Plastics in Our Environment*,” Texas Woman’s University, Denton, TX. January 31, 2020.

INVITED TALKS

Mentoring Workshop for ACS Minority Scholars, 210th American Chemical Society National Meeting, Chicago, IL, August 21, 1995. With Yvonne D. Curry and Dorothy Rodmann.

Culturally Inclusive Chemistry, Gordon Research Conference, Innovations in Chemical Education, Oxnard, CA, January 10–14, 1994.

Teaching Chemistry Using the Web, Novel Methods of Teaching Chemistry, University of Puerto Rico, San Juan, PR, February 22, 1997.

Web Pitfalls and Potholes, and Multimedia at UW–Madison, NSF/Chemical Technology Workshop, Southeast Community College, Lincoln, NE, June 30–July 3, 1997.

Teaching General Chemistry using the World Wide Web: Multimedia Innovations & Good Pedagogy, XII International Conference on Computers in Chemical Research and Education, University of Pune, Pune, India, January 5–9, 1998.

Teaching General Chemistry Using the World Wide Web, XXIII Latin American Chemical Congress, July 26–31, 1998, Rio Mar, PR.

Using the World Wide Web with General Chemistry Students, Symposium on New Directions in General Chemistry, University of Puerto Rico–Cayey, Cayey, PR, June 21, 1999.

Ensuring the Success of All Students: Focusing on the Persistence and Success of Women in the Study and Practice of Science, Project Kaleidoscope 10th Anniversary: Celebrating and Anticipating a Decade of Reform, University of Maryland College Park, October 22–23, 1999.

Usando El World Wide Web Para Enseñar Química Del Mundo Real (Using the Web to Teach Real World Chemistry), American Chemical Society Pan–American Conference, San Juan, PR, June 29–July 3, 2000.

Preparing Future Faculty in the Sciences, with Karen Kashmanian Oates and Kathleen Parson, Macalester College, MN, American Association of Higher Education, 9th Annual AAHE Conference on Faculty Roles & Rewards, Tampa, FL, February 1–4, 2001.

General Chemistry as a Writing Intensive Course: What Works and Doesn’t, 6th University of North

Carolina Wilmington Symposium on Chemistry & Biochemistry, Wilmington, NC, January 25–26, 2002.

Real-World Chemistry in a Writing Intensive Course, 2002 Gordon Research Conference, Innovations in College Chemistry Teaching, University of Connecticut, New London, CT, June 23–28, 2002.

Steps to building an institutional culture, both formal and informal, supportive of women in science, Jeanne Narum, Project Kaleidoscope (organizer) Bridget Gourley, DePauw University and Catherine Middlecamp, Sigma Xi Forum & Annual Meeting, Galveston Island, TX, November 14–16, 2002.

Teaching Chemistry in Real World Contexts, 17th Chemistry Conference, Santiago de Cuba, Cuba, December 4–6, 2002.

Rethinking Diversity: Is Science the Problem? 2003 Project Kaleidoscope Assemblies, Rowan University, Glassboro, NJ, October 3–5, 2003.

Preparation of Science and Mathematics Teachers: Three Cultures, One Goal? 2004 Forum for School Science: Leading Edge Issues in Science and Mathematics Education, AAAS Annual Meeting, Seattle, WA, February 15, 2004.

The Radium Girls and the Firecracker Boys, Chicago Local ACS Section, Desplaines, IL, January 20, 2006.

Acid Rain Chemistry in the College Classroom, National Atmospheric Deposition Program, Norfolk, VA, October 24–26, 2006.

The Radium Girls and the Firecracker Boys, Annual Awards Banquet, American Chemical Society, Northeast Wisconsin Section, UW-Fox Valley, Fox Valley, WI. May 4, 2007.

As if the Concerns of Our Students Mattered; As if Our Planet Were at Stake, Canadian Chemical Society, Chemical Education Division, Edmonton, AB, Canada. May 25–28, 2008

Chemistry in Context: The Book That Changed How Chemistry is Taught, invited address for the launch of the Chinese edition of Chemistry in Context, 26th Chinese Chemical Society Congress, Tianjin, China. July 13–16, 2008.

20 Years of Teaching Global Warming, Climate Change Education Roundtable, National Science Foundation, Arlington, VA, January 19, 2010.

Uranium and U, spring banquet speaker, Milwaukee Section of the American Chemical Society, May 7, 2010.

Chemistry in Context: 20 years and 7 Editions of Teaching Climate Change, International Conference on Climate Change Curricula in Higher Education, Tbilisi, Georgia, June 7–9, 2010.

Sustainability, Matching Our Curriculum to our Planet, Presidential Event, 240th American Chemical Society National Meeting, Boston, MA, August 22–26, 2010.

Uranium and U, Madonna University, Livonia, MI, February 22, 2011.

Matching Our Curriculum to Our Planet, University of Waterloo, Waterloo, Ontario, May 12, 2011.

Matching Our Curriculum, Our Students, and Our Planet, Tbilisi State Medical University, Tbilisi, Georgia, November 30, 2011. *To Roosevelt Island (and back)*, University of Mary Washington, Fredericksburg, VA, February 9, 2012.

Unclear Nuclear, 2012 National Center for Science and Civic Engagement Washington Symposium, Rayburn House Office Building, Washington, DC, March 12, 2012.

Chemistry Education for a World that is Finite, Interconnected, and Changing, Transylvania University, Lexington, KY, April 3, 2012.

Inspiring Chemistry Education for a World that is Finite, Interconnected, and Changing, Loyola University, Chicago, IL, April 12, 2012.

Uranium and U, College for Kids, University of Wisconsin-Madison, Madison, WI, August 22, 2013.

Barriers and facilitations to success in STEM, Faculty panel, with Vicki Bier and James Blanchard, Diversity in STEM Student Retreat, Wisconsin Alliance for Minority Participation (WiscAMP), University of Wisconsin-Madison, Madison, WI, September 14, 2013.

How We Live & Learn on Campus Tells Us Much About Life (and Death) Issues in the Larger World, University of Hawaii, Ka'apiolani Community College, Honolulu, HI, January 3, 2014.

Barrow Tales, with Robert Rabin, NASA, Aldo Leopold Nature Center, Madison, WI January 17, 2014.

Sustainability, Walking the talk on campus, 2014 SENCER (Science Education for New Civic Engagements and Responsibilities) Summer Institute, UNC-Asheville, Asheville, NC. July 31 – August 4, 2014.

SENCER Pearls of Practice – Sharing your teaching gems (with Karin Matchett) 2014 SENCER (Science Education for New Civic Engagements and Responsibilities) Summer Institute, UNC-Asheville, Asheville, NC. July 31 – August 4, 2014.

Using Campus as a Living Learning Laboratory for Sustainability, UW System Sustainability Meeting Madison, WI. October 16 – 17, 2014.

Learning Science by Making Connections: Energy, Food, and Trash, Purdue University, West Lafayette, IN, October 22, 2014.

Undergraduate Research with Trash Audits: Campus as a Living Learning Laboratory, Convocation on Integrating Discovery-Based Research into the Undergraduate Curriculum, National Research Council, Washington, DC, May 12-13, 2015.

Every Number Has a Story, 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON, June 13-17, 2015.

Sustainability: What, How, and Why Now? Ver 2.0, Science Education and Green Chemistry for a Sustainable Future, Academic Arab College for Education, Haifa, Israel, December 2-3, 2015.

Sustainability: What, How, and Why Now? Ver 2.0, Expanding Civic Capacity: Connecting learning to critical real-world issues through sustainability education, SENCER Center for Innovation-Southwest 2016 Regional Symposium, Texas Women's University, Denton, TX, January 29, 2016.

Sustainability: What, how, and why now? Ver 2.0, 71st Northwest Regional Meeting, American Chemical Society, Anchorage, AK, June 26-June 29, 2016.

Teaching and Learning Chemistry in Real-World Contexts, Stony Brook University, Stony Brook, NY, October 26, 2016.

Teaching and Learning Chemistry in Real-World Contexts, University of Minnesota, Twin Cities, MN, November 21, 2016.

Teaching and Learning in Real-World Contexts, University of Minnesota, Minneapolis, MN. November 22, 2016

Every Number Has a Story, Weizmann Institute of Science, Rehovot, Israel, December 6, 2016.

Content or Context? Both, Southwest 2017 Regional Symposium, SENCER Center for Innovation, Texas Woman's University, Denton, TX, February 2, 2017.

Energy, Food, and Trash: Using your campus to engage students in learning chemistry, biology and physics, Chico State University, Chico, CA, September 22, 2017

Teaching Energy Choices (institutional level), 3rd National Energy Education Summit, National Council for Science and the Environment, Washington, DC, January 25, 2018.

Superpowers for SENCER, Southwest 2018 Regional Symposium, SENCER Center for Innovation, Texas Woman's University, Denton, TX, February 2, 2018.

Sustainability: Opening the Door to Civic Engagement, Democracy, Civic Engagement and Student Learning, Southwest 2019 Regional Symposium, SENCER Center for Innovation, Texas Woman's University, Denton, TX, February 1, 2019.

Mindful Climate Action: Changing Behaviors to Enhance Health and Protect the Environment, with Bruce Barrett, 41st Annual Wisconsin Lakes Partnership Convention, Stevens Point, WI, April 10-12, 2019.

Sustainability: A Triple Win. Department of Chemistry, University of California-Davis, Davis, CA, May 2, 2019.

Diversity and Inclusion: The Power of Questions, Fall National Meeting of the American Chemical Society, San Diego, CA, August 25-29, 2019.

Sustainability: A win for our students, for our disciplines, and for our planet, University of Denver, Denver, CO, August 29, 2019.

Teaching and learning about climate change on Alaska's North Slope, with Timothy Lindstrom, Spring National Meeting of the American Chemical Society, Philadelphia, PA. March 22-26, 2020.

Diversity and Inclusion: The Power of Questions, Fall National Meeting of the American Chemical Society, San Diego, CA, August 25-29, 2019.

Teaching and learning about climate change on Alaska's North Slope, Timothy Lindstrom and Cathy Middlecamp, Spring National Meeting of the American Chemical Society, Philadelphia, PA. March 22-26, 2020.

S-STEM and the Community Environmental Scholars Program at UW-Madison, with Robert Beattie and Molly Schwebach, Fall National Meeting of the American Chemical Society, San Francisco, CA. August 16-20, 2020.

CONTRIBUTED TALKS AT CONFERENCES & NATIONAL MEETINGS

Special Programs for Special Students: When are they Needed? Elizabeth Kean and Catherine Middlecamp. Sixth Biennial Conference on Chemical Education, Symposium on Women and Minorities, Rochester, NY. June 22–26, 1980.

Special Programs for Special Students: Factors to Consider, Catherine Middlecamp and Elizabeth Kean, Sixth Biennial Conference on Chemical Education, Symposium on Women and Minorities, Rochester, NY. June 22–26, 1980.

Tutorial Classes of Algorithmics and Non-Algorithmics in General Chemistry, Catherine Middlecamp and Elizabeth Kean, American Chemical Society Annual Meeting, Symposium on The Use of Algorithms in Problem Solving, Chicago, IL. September 8–13, 1986.

High School and Beyond: Teaching Thinking and Learning Skills for Minority and Disadvantaged Students, Catherine Middlecamp and Elizabeth Kean, American Chemical Society, 20th Great Lakes Regional Meeting, Symposium on Teaching of Chemistry to Minority/Disadvantaged/Central City High School Students, Marquette University, Milwaukee, WI. June 4, 1986.

Teaching Chemistry Students: Insights from the Field of Counseling Psychology, Catherine Middlecamp and Elizabeth Kean, Ninth Biennial Conference on Chemical Education, Bozeman, MT. July 26–31, 1986.

Measuring Student Knowledge vs. Ranking Students: What do Grades Do? Elizabeth Kean and Catherine Middlecamp, Ninth Biennial Conference on Chemical Education, Bozeman, MT. July 26–31, 1986.

A Middle School Summer Enrichment Program for Minority Students, Elizabeth Kean and Catherine Middlecamp, Ninth Biennial Conference on Chemical Education, Bozeman, MT. July 26–31, 1986.

High School to College: Nurturing Students' Learning Skills, Elizabeth Kean and Catherine Middlecamp, 20th Anniversary Conference of the Midwest Region of Academic Affairs Administrators, Minneapolis, MN. October 1–3, 1986.

All Content is Not Created Equal: Alternative Teaching Strategies for Different Kinds of General Chemistry Content, University of Wisconsin System Chemistry Faculties Annual Conference, Madison, WI. October 17, 1986.

Study Skills for Success in Science Courses, Catherine Middlecamp and Elizabeth Kean, 1987 Big Ten Counseling Center Conference, Madison, WI. February 18–20, 1987.

Non-Traditional Study Skills for a Traditional Learning Environment, Elizabeth Kean and Catherine Middlecamp, College Programs Behind Bars: Models for Higher Education, Madison, WI. March 12–13, 1987.

Breaking the Chemistry Code: Effective Teaching of Non-Traditional Students, Elizabeth Kean and Catherine Middlecamp, 193rd National Meeting of the American Chemical Society, Denver, CO. April 5–10, 1987.

CHEMPROF: Intelligent Tutoring with a Computer, Elizabeth Kean and Catherine Middlecamp, Tenth Biennial Conference on Chemical Education, West Lafayette, IN. July 31–August 4, 1988.

CHEMPROF: Designing an Intelligent Problem Solving Tutor, Arthur Eggert, Catherine Middlecamp and Elizabeth Kean, Tenth Biennial Conference on Chemical Education, West Lafayette, IN. July 31–August 4, 1988.

A College Learning Strategies Course, Elizabeth Kean and Catherine Middlecamp, Midwest College Learning Center Association Annual Conference, Chicago, IL. October 6, 1988.

CHEMPROF: An Intelligent Tutor for General Chemistry, Catherine Middlecamp, Arthur Eggert and Elizabeth Kean, IBM Academic Computing Conference, Anaheim, CA. June 22–24, 1989.

Teaching Chemistry: A Multidimensional Bottom Line, Catherine Middlecamp and Elizabeth Kean, 198th National Meeting of the American Chemical Society, Miami, FL. September 13, 1989.

Aikido, The Gentle Martial Art and Counseling, Jim Lee, John Stone, Robin Cooper and Cathy Middlecamp, Counseling and Culture, Wisconsin Association for Counseling and Development, Madison, WI. October 26, 1989.

Approaches to Diversity in Science Courses, Catherine Middlecamp (panel member), The Challenge of Diversity: Curriculum Development for the 21st Century, UTIC, Madison, WI. November 18, 1989.

Cultural Diversity in the Chemistry Curriculum, Catherine Middlecamp, Eleventh Biennial Conference on Chemical Education, Atlanta, GA. August 5–9, 1990.

Teaching Chemistry to Asian–American Students, Agnes Lee and Catherine Middlecamp, Eleventh Biennial Conference on Chemical Education, Atlanta, GA. August 5–9, 1990.

CHEMPROF: An Intelligent Tutor for General Chemistry, Catherine Middlecamp, Arthur Eggert and Elizabeth Kean, Eleventh Biennial Conference on Chemical Education, Atlanta, GA. August 5–9, 1990.

What's in a Name? Two Experts for Chemical Literacy, Arthur Eggert and Catherine Middlecamp, Eleventh Biennial Conference on Chemical Education, Atlanta, GA. August 5–9, 1990.

Opportunities for Cultural Diversity in the Teaching of Chemistry, Catherine Middlecamp, 200th American Chemical Society National Meeting, Washington, DC. August 27, 1990.

CHEMPROF: An Intelligent Tutor for General Chemistry, Catherine Middlecamp, IBM Academic Computing Conference, Dallas, TX, June 11–13, 1991.

CHEMPROF–Innovations in Tutoring Chemistry, Arthur Eggert, Catherine Middlecamp and Anthony Jacob, International Conf. on the Learning Sciences, Evanston, IL, August 4–7, 1991.

Multicultural Education, Elizabeth Kean, Catherine Middlecamp, Derrick Arnelle, Agnes Lee Ma, CHEMED '91 Tenth Biennial Conference, Oshkosh, WI, August 4–9, 1991.

Learning How to Learn, Elizabeth Kean, Gloria Hawkins, Catherine Middlecamp, Pre–Conference Workshop, Sixth Annual Conference of the Midwest College Learning Center Association, Madison, WI, November 6, 1991.

What's Multicultural About Science? Catherine Middlecamp, Sixth Annual Conference of the Midwest College Learning Center Association, Madison, WI, November 6–8, 1991.

CHEMPROF in the Classroom: Teaching Chemical Literacy Skills with a Computer, Anthony Jacob, Catherine Middlecamp and Arthur Eggert, 12th Biennial Conference on Chemical Education, Davis, CA, August 2–7, 1992.

CHEMPROF–Experts and Individualized Tutoring, Arthur Eggert, Catherine Middlecamp and Anthony Jacob, 12th Biennial Conference on Chemical Education, Davis, CA, August 2–7, 1992.

Asian Americans in Chemistry: Class Superstars? Agnes Lee Ma and Catherine Middlecamp, National Asian American Conference, La Crosse, WI, March 25–27, 1993.

Student Choices while using an Intelligent Tutorial System, M. Cracolice, A. Jacob, C. Middlecamp, and A. Eggert, NARST Annual Meeting, Atlanta, GA, April 15–19, 1993.

CATALYST: A Technology–Enhanced Chemistry Curriculum, J. W. Moore, J. L. Holmes, L. R. Hunsberger, C. H. Middlecamp, P. F. Schatz, J. J. Lagowski, 26th Great Lakes Regional ACS Meeting, May 26, 1993.

CHEMPROF–Teaching Chemical Names, Arthur Eggert, Catherine Middlecamp, and Anthony Jacob, 26th Great Lakes Regional ACS Meeting, May 26, 1993.

CHEMPROF in the Classroom: Teaching Chemical Literacy Skills with a Computer, Anthony Jacob, Catherine Middlecamp and Arthur Eggert, 26th Great Lakes Regional ACS Meeting, May 26, 1993.

Exploring the Relevance of Race and Ethnicity in an Introductory (and Often Required) Science Course: General Chemistry, Catherine Middlecamp and Elizabeth Kean, 6th Annual National Conference on Race

and Ethnicity in American Higher Education, New Orleans, LA, June 3–8, 1993.

Inclusiveness in Chemistry Education, Catherine Middlecamp, 72nd Annual Conference of Graduate Women in Science, Madison, WI, June 17–20, 1993.

Computers in the Curriculum: Report from Wisconsin, J. W. Moore, J. L. Holmes, L. R. Hunsberger, C. H. Middlecamp, P. F. Schatz, D. Whisnant, 206th Annual Meeting of the American Chemical Society, Chicago, IL., August 1993.

CHEMPROF: Teaching Equation Balancing, Arthur Eggert, Catherine Middlecamp and Anthony Jacob, 27th Great Lakes Regional ACS Meeting, June 2, 1994.

CHEMPROF: Teaching Equation Balancing, Arthur Eggert, Catherine Middlecamp and Anthony Jacob, 13th Biennial Conference on Chemical Education, Lewisburg, PA, July 31–August 4, 1994.

Goal-Oriented, Problem-Based, Multi-Media Software: Three Challenges, Catherine Middlecamp and Nedah Rose, 208th National Meeting of the American Chemical Society, Washington, DC, August 21–25, 1994.

Diversifying Approaches to Science: Culturally Inclusive Chemistry, Catherine Middlecamp, Statewide Equity and Multicultural Education Conference and the 19th Annual Women's Studies Conference, UW-Stevens Point, November 8–12, 1994.

The Culture of Science, Catherine Middlecamp and Omie Baldwin, Expanding Minority Opportunities: First Annual National Conference, Tempe, AZ, January 19–21, 1995.

Diversity in our Students: Challenges & Opportunities for Curriculum Design, Catherine Middlecamp and Paul Kelter, 209th American Chemical Society National Meeting, Anaheim, CA, April 2–6, 1995.

Liftoff! First in a Series of Multimedia Problem-Based Modules, Paul Kelter and Catherine Middlecamp, 209th American Chemical Society National Meeting, Anaheim, CA, April 2–6, 1995.

From Mayagüez to Window Rock: Chemistry and Culture, Catherine Middlecamp, UW System Women and Science Program Spring Retreat, Spring Green, WI, May 22–23, 1995.

An Interactive, Multimedia Knowledge Base, Catherine Middlecamp, Nedah Rose and Paul Kelter, 210th American Chemical Society National Meeting, Chicago, IL, August 20–24, 1995.

Multimedia in the General Chemistry Classroom, Paul Kelter, Catherine Middlecamp and James Carr, Sociedad quimica de Mexico, Mazatlan, Mexico, September 18–24, 1995.

The Native American Indian Student in the Science Classroom, I. Who Are Our Students? Omie Baldwin and Catherine Middlecamp, Third International History, Philosophy, and Science Teaching Conference, University of Minnesota, October 29–November 2, 1995.

The Native American Indian Student in the Science Classroom, II. Cultural Clash or Match? Catherine Middlecamp and Omie Baldwin, Third International History, Philosophy, and Science Teaching Conference, University of Minnesota, October 29–November 2, 1995.

Images of Women (Or Lack Thereof), Catherine Middlecamp, 211th American Chemical Society National Meeting, New Orleans, LA, March 23–28, 1996.

Success Strategies for General Chemistry, Catherine Middlecamp, Great Lakes Regional Meeting of the American Chemical Society, Normal, IL, May 20–23, 1996.

Challenging Multimedia Problems for General Chemistry, Catherine Middlecamp, 14th Biennial Conference on Chemical Education, Clemson, SC, August 4–8, 1996.

Multicultural Content: How Does it Fit in a General Chemistry Course? Catherine Middlecamp, 14th

Biennial Conference on Chemical Education, Clemson, SC, August 4–8, 1996.

Teaching Science and Math to Native American Students, Catherine Middlecamp and Omie Baldwin, 21st UW System Women's Studies Consortium Conference, UW–Superior, Superior, WI, October 4–5, 1996.

From Square One to HTTP://WWW/.../CHEM108, Catherine Middlecamp and Anthony Jacob, 213th American Chemical Society National Meeting, San Francisco, CA, April 13–17, 1997.

CHIME for General Chemistry Students, Catherine Middlecamp and Gery Essenmacher, 215th American Chemical Society National Meeting, Dallas, TX, March 28–April 2, 1998.

Discovery Labs on the World Wide Web, Ram Lamba, Shiva Sharma and Catherine Middlecamp, 215th American Chemical Society National Meeting, Dallas, TX, March 28–April 2, 1998.

Chemistry in Context: Looking to the Year 2000, Conrad Stanitski, Lucy Pryde Eubanks, Catherine Middlecamp and Wil Stratton, 217th American Chemical Society National Meeting, Anaheim, CA, March 21–25, 1999.

The Web: A Connection to Society and the Real World, Catherine Middlecamp, Conrad Stanitski, Lucy Pryde Eubanks and Wilmer Stratton, 218th American Chemical Society National Meeting, New Orleans, LA, August 22–26, 1999.

Using Writing Portfolios in a General Chemistry Course (poster), Catherine Middlecamp and Cathy Hopkins, 218th American Chemical Society National Meeting, New Orleans, LA, August 22–26, 1999.

Teaching Chemistry in Context as a Writing Intensive Course, Catherine Middlecamp, 16th Biennial Conference on Chemical Education, Ann Arbor, MI, July 30–August 3, 2000.

The Teaching of Chemistry: A graduate seminar, Catherine Middlecamp, 16th Biennial Conference on Chemical Education, Ann Arbor, MI, July 30–August 3, 2000.

A Learning Community for Elementary Education Majors, Teresa Larson Folz and Catherine Middlecamp, 16th Biennial Conference on Chemical Education, Ann Arbor, MI, July 30–August 3, 2000.

Teaching General Chemistry as a Writing Intensive Course: Answers to Troublesome Questions, 222nd National Meeting of the American Chemical Society, Chicago, IL, August 18–23, 2001.

Lecturing with Power Point: Success at a Price, Catherine Middlecamp, 17th Biennial Conference on Chemical Education, Western Washington University, Bellingham, WA July 28–August 1, 2002.

Hard Labor? Women Who Write Textbooks, Lucy Pryde Eubanks and Catherine Middlecamp, 17th Biennial Conference on Chemical Education, Western Washington University, Bellingham, WA July 28–August 1, 2002.

Yellow dust (kleé 'tso): Where chemistry, culture and public policy meet, Catherine Middlecamp, Omie Baldwin, 224th National Meeting of the American Chemical Society, Chicago, IL, August 18–22, 2002.

Reading what Nonscience Majors Write, Wow!, Catherine Middlecamp and Conrad Stanitski, 225th National Meeting of the American Chemical Society, New Orleans, LA, March 23–27, 2003.

Uranium mining in the Southwest: A topic with chemical and cultural complexity, Catherine Middlecamp, Omie Baldwin, Anne Bentley, 226th National Meeting of the American Chemical Society, New York, NY, September 7–11, 2003.

Women in Chemistry: Stories we now can tell in public, Lucy Eubanks and Catherine Middlecamp, 18th Biennial Conference on Chemical Education, Iowa State University, Ames, IA, July 18–22, 2004.

“Radium Girls” Women and the Chemistry of Radium, Margaret Faye Phillips and Catherine Middlecamp, 18th Biennial Conference on Chemical Education, Iowa State University, Ames, IA, July

18–22, 2004.

Teacher, Sensei, Master: Martial Arts and Faculty Development, Catherine Middlecamp and Paul Kelter, 229th National Meeting of the American Chemical Society, San Diego, CA, March 13–17, 2005.

Chemistry in Context: Five editions of engagement, Lucy Pryde Eubanks and Catherine Middlecamp, 229th National Meeting of the American Chemical Society, San Diego, CA, March 13–17, 2005.

WiscAMP: The newest member of the AMP family, Catherine Middlecamp, Molly Carnes, and Douglass Henderson, 229th National Meeting of the American Chemical Society, San Diego, CA, March 13–17, 2005.

I Have Caught A Bear, Catherine Middlecamp, Social Justice and Responsibility in Chemistry, First–Year International Chemistry Conference, University of Illinois, Champaign–Urbana, IL, May 22–25, 2005.

Teaching (and Learning) Science: The Intellectual Challenge of Diversity, Catherine Middlecamp, Enriching Racial/Ethnic Studies: Health, Education, and Cultural Knowledge, UWS Institute on Race & Ethnicity, UW–Milwaukee, Milwaukee, WI, April 6–7, 2006.

Division of Chemical Education's Program Committee, D. Paul Rillema, Tyson A. Miller, Catherine Middlecamp, 19th Biennial Conference on Chemical Education, Purdue University, West Lafayette, IN. July 30–August 3, 2006.

Nuclear Chemistry Through Six Editions of Chemistry in Context, Lucy P. Eubanks, Catherine H. Middlecamp, 232nd National Meeting of the American Chemical Society, San Francisco, CA, September 10–14, 2006.

Atmospheric Chemistry in the Undergraduate Classroom: NADP and the International Center for Undergraduate Chemistry Education (poster), Christopher Lehmann, Cathy Middlecamp, Paul Kelter, National Atmospheric Deposition Program, Norfolk, VA, October 24–26, 2006.

How Physical Sciences Can Contribute to the Ethnic Studies Requirement, Cathy Middlecamp and Omie Baldwin, Symposium on Cultural Diversity in the Curriculum: Sharing Ideas and Best Practices Across the UW System, UWS Institute for Race & Ethnicity, Milwaukee, WI, April 17–18, 2008.

Creativity Needed! Shifting Content from the Margins to the Center, Cathy Middlecamp, 35th College Chemistry Canada Conference, Edmonton, AB, May 23–24, 2008.

Adapt and Adopt: An Interdisciplinary Nuclear Science Course That Includes Society and Civic Engagement, Lawrence K. Duffy, Anna Godduhn, Cynthia Fabbri, and Catherine Middlecamp, 2008 Arctic Science Conference, AAAS, Fairbanks, AK. September 22–24, 2008.

Teaching/Learning about Air Quality, Catherine Middlecamp, 16th Annual Washington Chemistry Conference Teachers Association, Sleeping Lady Mountain Retreat, Leavenworth, WA, October 16–18, 2008.

Uranium and U, Catherine Middlecamp, Western Alaska Interdisciplinary Science Conference, "Energizing our Future," Nome, AK, April 7–9, 2009.

Sustainability! What, How, and Why Now for All Our Students, Catherine Middlecamp, 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21–25, 2010.

Matching Our Curriculum to Our Planet, Catherine Middlecamp, 2011 AAAS Annual Meeting, Washington, DC, February 17–21, 2011.

Integrating Indigenous Science and Culturally-relevant Practices into the Science Curriculum, Amy Shachter, Steve Dahlberg, Larry Duffy, Robert Franco, Cathy Middlecamp, Garon Smith, Greg Van

Doren, SACNAS National Conference, San Jose, CA, October 27–30, 2011.

Global climate changes – the new challenges of environmental sciences and education, Nanuli Ninashvili, Catherine Middlecamp, N. Vepkhvadze, and I. Mchedlishvili, Environment and Human Beings: Challenges of Contemporary Environment and the Safety of Human Existence, Kobuleti. Republic of Georgia, October 28-30, 2011.

In the Classroom: Stratospheric Ozone and Climate Change, Catherine Middlecamp, Marta Gmurczyk, Michael Mury, and Terri Taylor, IYC Symposium on Stratospheric Ozone and Climate Change, Washington, DC, November 7–10, 2011.

Uranium and Indigenous People, “Culture and Controversy in Science Education Engagement,” 2012 AAAS Annual Meeting, Vancouver, Canada, February 16–20, 2012.

Climate change concepts and POGIL, poster, Daniel King, Jennifer Lewis, Karen Anderson, and Cathy Middlecamp, 243rd National Meeting of the American Chemical Society, San Diego, CA, March 25-29, 2012.

Inspiring chemistry education for a world that is finite, interconnected, and changing, 243rd National Meeting of the American Chemical Society, San Diego, CA, March 25-29, 2012.

In the classroom: Stratospheric ozone and climate change, Michael Mury, Catherine Middlecamp, Angela Powers, and Terri Taylor, 2012 Biennial Conference on Chemical Education, Pennsylvania State University, University Park, PA, July 29 – August 2, 2012.

Acid rain: A real-world topic through which students can learn chemistry, Anne Bentley and Catherine Middlecamp, and Michael Mury, 2012 Biennial Conference on Chemical Education, Pennsylvania State University, University Park, PA, July 29 – August 2, 2012.

Global climate change: Integrative curriculum development for general chemistry, Daniel King, Jennifer Lewis, Karen Anderson, Doug Latch, Cathy Middlecamp, Rick Moog, Susan Sutheimer, and Gail Webster, 2012 Biennial Conference on Chemical Education, Pennsylvania State University, University Park, PA, July 29 – August 2, 2012.

Uranium, indigenous people, and learning science, Catherine Middlecamp, AISES National Conference, Anchorage, AK, November 1-3, 2012.

Food and Sustainability Rapid-fire, panel with Jed Colquhoun, Carl Korz, and Wally Graber, Sustainability Forum, Engaging Change: Our Food, Our Energy, Our World, University of Wisconsin-Madison, March 7, 2013.

Context, connections, chemistry, ... and Conrad, Catherine Middlecamp, 245th National Meeting of the American Chemical Society, New Orleans, LA, April 7-11, 2013.

The Secret Life of Knives, Forks, and Spoons, Michael Gan, Carol Moy, Abigail Mindock, Steve Pentler, Robert Kantowitz, and Catherine Middlecamp, 15th Annual Undergraduate Symposium, UW-Madison, Madison, Wisconsin, April 18, 2013.

Outside the Box: Situating Learning Experiences Outside of the Classroom with Mobile Devices with John Martin, Travis Blomberg, and Phil Grupe, Teaching and Learning Symposium, Sparking Innovation, Ideas to Impact, University of Wisconsin-Madison, May 23, 2013.

Chemistry in Context: The power of Need-to-Know as a Learning Strategy, 23rd IUPAC International Conference on Chemistry Education, Toronto, Canada, July 13-18, 2014.

Green Chemistry through 6 editions of Chemistry in Context, 23rd IUPAC International Conference on Chemistry Education, Toronto, Canada, July 13-18, 2014.

The Air We Breathe (and how it can engage students in learning chemistry), 248th National Meeting of the American Chemical Society, San Francisco, CA, August 10-14, 2014.

Teaching and Learning about Sustainability, the View from CHED, 248th National Meeting of the American Chemical Society, San Francisco, CA, August 10-14, 2014.

Integrating Human Rights into Your STEM Training, Jessica Wyndham and Catherine Middlecamp, AAAS 2005 Annual Meeting, San Jose, CA, February 12-16, 2015.

Uranium and U, 249th National Meeting of the American Chemical Society, Denver, CO, March 22–26, 2015.

Carbon metrics for food supply chains, Thomas Bryan, Carl Korz, and Catherine Middlecamp, Association of American Geographers 2015 Annual Meeting, Chicago, IL, April 21-25, 2015.

ESS and Sustainability: Navigating differences and similarities (Part II), Michael Berger, Leslie Gray, David Hassenzahl, Catherine Middlecamp, Jim Proctor, 2015 National Meeting of the American Environmental Studies and Sciences, San Diego, CA, June 24-27, 2015.

Context or Content? Both. Catherine Middlecamp, 2015 International Chemical Congress of the Pacific Basin Societies (Pacifichem), Honolulu, HI, December 15-20, 2015.

Green Chemistry through 6 editions of Chemistry in Context, Catherine Middlecamp, 2015 International Chemical Congress of the Pacific Basin Societies (Pacifichem), Honolulu, HI, December 15-20, 2015.

Sustainability Production and Practice for Higher Education, panel member, Association for Environmental Studies and Sciences, 2016 Annual Conference, Washington, DC, June 8-11, 2016.

Undergraduate Research and Civic Engagement, with Jay Labov, SENCER Summer Institute, Stony Brook University, Stony Brook, NY, August 2-6, 2017.

The Story of Crispy Golden Tofu: University Food Services Partner with Students in Environmental Studies, Thomas Bryan and Catherine Middlecamp, 2018 National Conference, National Association of College and University Food Services, University of Wisconsin-Madison, Madison, WI, March 26, 2018.

Sustainability Cross-disciplinary Conversations I: Teaching & Learning about ENERGY
Tim Lindstrom and Cathy Middlecamp, Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 2–5, 2108.

Sustainability Cross-disciplinary Conversations II: Teaching & Learning about FOOD
Tom Bryan and Cathy Middlecamp, Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 2–5, 2108.

Sustainability Cross-disciplinary Conversations III: Teaching & Learning about TRASH
Tom Bryan, Tim Lindstrom and Cathy Middlecamp, Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 2–5, 2108.

What is radioactive in this room? Catherine Middlecamp, 256th National Meeting of the American Chemical Society, Boston, MA, August 19-23, 2018.

Learning through eating: Students design a low carbon-footprint menu item, Thomas Bryan and Catherine Middlecamp, 256th ACS National Meeting of the American Chemical Society, Boston, MA, August 19-23, 2018.

Translating mindfulness practice into action for individual and planetary health, Maggie Grabow, Mary Checovich, Tom Bryan, Alex Converse, Cathy Middlecamp, Margaret Mooney, Elisa Torres, and Bruce Barrett, 2019 Annual Meeting and Expo, American Public Health Association, Philadelphia, PA, November 2-6, 2019.

Energy, food, and trash: Relevance in an environmental science, Timothy Lindstrom and Cathy Middlecamp, Spring National Meeting of the American Chemical Society, Philadelphia, PA. March 22-26, 2020.

SYMPOSIA ORGANIZED AND/OR CHAIRED

In Response to Calls for Submission

Cultural Diversity in Chemistry, organizer and chair, Eleventh Biennial Conference on Chemical Education, Atlanta, GA. August 5–9, 1990.

Artificial Intelligence, Expert Systems and Intelligent Tutors, organizer and chair, Eleventh Biennial Conference on Chemical Education, Atlanta, GA. August 5–9, 1990.

Rethinking Our Teaching and Research in the Natural Sciences: Of What Relevance is Race/Ethnicity? co-organizer with UW Institute on Race & Ethnicity, session chair, Madison, WI, March 27, 1992.

Integrating Computers into the Undergraduate Chemistry Curriculum I & II, organizer, 209th American Chemical Society National Meeting, Anaheim, CA, April 2–6, 1995.

Teaching Chemistry on the World Wide Web, co-organizer, 211th American Chemical Society National Meeting, New Orleans, LA, March 24–28, 1996.

Chemistry and CD ROM, co-organizer, 211th American Chemical Society National Meeting, New Orleans, LA, March 24–28, 1996.

Chemistry Across Cultures, organizer, 213th American Chemical Society National Meeting, San Francisco, CA, April 13–17, 1997.

Chemistry Teaching and the WWW, co-organizer, 213th American Chemical Society National Meeting, San Francisco, CA, April 13–17, 1997.

Peer Review in Action, organizer and presider (with Tom Holmes, UW–Milwaukee), Division of Chemical Education, 217th National Meeting of the American Chemical Society, Anaheim, CA, March 21–25, 1999.

Chemistry in Context: Variations on a Theme, organizer, 16th Biennial Conference on Chemical Education, Ann Arbor, MI, July 30–August 3, 2000.

Linking Chemistry with Issues of Public Policy, co-organizer (with Karen Oates), 224th National Meeting of the American Chemical Society, Boston, MA, August 18–22, 2002.

Women in Chemistry Education, co-organizer (with Jodye Selco), 18th Biennial Conference on Chemical Education, Iowa State University, Ames, IA, July 18–22, 2004.

An Undiscovered Art: The Peer Review of Teaching, co-organizer (with Matthew Fisher), First-Year International Chemistry Conference, University of Illinois, Champaign–Urbana, IL, May 22–25, 2005.

Sustainability in the Chemistry Curriculum, What, How, and Why Now?, co-organizer (with Mary Kirchhoff) and chair, 239th National Meeting of the American Chemical Society, San Francisco, CA, March 21–25, 2010.

Engaging Students in Undergraduate STEM Education With a Focus on Global Stewardship, organizer, Jay Labov, co-organizers, Melvin George and Cathy Middlecamp, 2011 AAAS Annual Meeting, Washington, DC, February 17–21, 2011.

Sustainability in the Chemical Sciences: Models and Case Studies for Education, co-organizer (with Melissa Pasquelli and Patrick Daubenmire) 245th National Meeting of the American Chemical Society, New Orleans, LA, April 7-11, 2013.

STEM Education Policies and Policymaking: Pushing in the Same Direction, co-organizer (with Judith Ramaley), 2014 AAAS Annual Meeting, Chicago, IL, February 13-17, 2014.

Citizens First! Using real world contexts for engaging students in learning chemistry, co-organizer (with Patrick Daubenmire) 248th National Meeting of the American Chemical Society, San Francisco, CA, August 10-14, 2014.

Sustain-Mix, Sustainability across the divisions, co-organizer (with Irv Levy) 248th National Meeting of the American Chemical Society, San Francisco, CA, August 10-14, 2014

Academics and Operations: Campus as a Living Learning Lab for Sustainability, organizer, 2015 National Meeting of the American Environmental Studies and Sciences, San Diego, CA, June 24-27, 2015.

Chemistry of the People, By the People, and for the People, co-organizer (with Rudy Baum and Irv Levy) 252nd National Meeting of the American Chemical Society, Philadelphia, PA, August 21-25, 2016.

Campus and Community Involvement in Move-Out Waste Reduction Programs, co-organizer (with Jill Sakai), 2016 Conference and Expo, Association for the Advancement of Sustainability in Higher Education, Baltimore, MD, October 9-12, 2016.

Using Existing Evidence to Improve Undergraduate STEM Education, organizer, AAAS National Meeting, Boston, MA, Friday, February 17, 2017.

State of the Art: Diversity and Inclusion in Chemistry Education, co-organizer (with Patrick Daubenmire) Fall National Meeting of the American Chemical Society, San Diego, CA, August 25-29, 2019.

Place-Based Education for Rural and/or Arctic Students: 2019 Encouraging Disadvantaged Students Symposium in Honor of Larry Duffy, Spring National Meeting of the American Chemical Society, Philadelphia, PA, March 22-26, 2020.

Sustainability and Relevance in Chemistry Education: Theory and Practice, co-organizer (with Avi Hofstein and Muhamad Hugerat), Spring National Meeting of the American Chemical Society, Philadelphia, PA, March 22-26, 2020.

ACS-CEI Award for Incorporation of Sustainability into Chemistry Education (Invited), co-organizer (with Sherine Obare), Spring National Meeting of the American Chemical Society, Philadelphia, PA, March 22-26, 2020.

The NSF S-STEM program: Recent projects serving chemistry students, organizer and presider, Fall National Meeting of the American Chemical Society, San Francisco, CA. August 16-20, 2020.

WORKSHOPS and TALKS for FACULTY DEVELOPMENT

A. Teaching and Learning in the Context of Real-World Issues

Chemistry in Context: Applying Chemistry to Society, NSF Chautauqua Short Course.

Christian Brothers University

May 31–June 2, 1998

Conrad Stanitski, Wilmer Stratton, and Catherine Middlecamp

University of Pittsburgh

June 1–June 4, 1999

Conrad Stanitski, Catherine Middlecamp, and Wilmer Stratton

University of California at Berkeley

June 4–June 7, 2000

Conrad Stanitski, Catherine Middlecamp, and Wilmer Stratton

University of Oregon, Eugene, OR

June 17–19, 2001

Conrad Stanitski, Catherine Middlecamp, and Wilmer Stratton

Chemistry for Non-Science Majors: The American Chemical Society's Curriculum, Chemistry in Context, NSF Chautauqua Short Course.

Harvard University, Cambridge, MA

June 10–12, 2003; May 18–20, 2004; May 17–19, 2005; May 15–17, 2006.

Conrad Stanitski and Catherine Middlecamp

Promising Pedagogy: SENCER and Case Studies, invited workshop, Catherine Middlecamp and Larry Peterson, Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 3–7, 2001.

More Questions, Fewer Answers: A new paradigm for learning science, invited workshop for science faculty, California State University at Sacramento, May 4, 2001.

Teaching and Learning with Chemistry in Context, conference workshop, Lucy Pryde Eubanks, Catherine H. Middlecamp, Norbert J. Pienta, and Gabriela C. Weaver, 18th Biennial Conference on Chemical Education, Iowa State University, Ames, IA, July 18–22, 2004.

Chemistry in Context: Workshop for Instructors, Lucy Eubanks and Catherine Middlecamp, ACS Northwest Regional Meeting, Fairbanks, AK, June 18, 2005.

Chemistry in Context: Workshop for Instructors, Lucy Eubanks, Catherine Middlecamp and Dwaine Eubanks, ACS Green Chemistry Institute, McGill University, Montreal, QC, Canada, July 14, 2005.

Uranium and U, Summer Science Teachers Institute, Columbia College, Chicago, IL, July 18, 2005.

Context: Thinking about what we teach and how students learn, Insights from the Classroom: Making a Difference in General Chemistry, TeamUp Faculty Programs, Ft. Lauderdale, FL, February 9, 2007.

The Radium Girls and the Firecracker Boys, Conversations in Science for Teachers, Wisconsin Initiative for Scientific Literacy, Madison Metropolitan School District, Edgewood College, Madison, WI, March 8, 2007.

Teaching in Context: As if Our Students Mattered and Our Planet Were at Stake, invited keynote speaker, UW System Women & Science Program Opening Workshop for New STEM Faculty, UW-Madison, November 3, 2007.

Win-Win: Learning Science in the Context of Real World Issues, invited workshop, Marion Fass and Catherine Middlecamp, The State Superintendent and Wisconsin Campus Compact's PK-16 Institute on Service-Learning and Citizenship, Madison, WI, February 12, 2009.

The Art of Engagement, Workshop for Faculty Development, Maricopa Center for Learning and Instruction, Rio Salado College, Tempe, AZ, February 20, 2009.

From Context to Content: The Chemistry in Context Approach, Workshop for Instructors, Catherine Middlecamp, Steve Keller and Karen Anderson, ACS Northwest Regional Meeting, Pacific Lutheran University, Tacoma, WA, July 1, 2009.

Chemistry in Context, Matching our Curriculum to our Planet, Workshop for Faculty Development, Catherine Middlecamp and Conrad Stanitski, American Chemical Society, Washington, DC. December 3-4, 2010.

Matching Our Curriculum to Our Students and Our Planet, Catherine Middlecamp, Workshop for Faculty Development, Tbilisi State Medical University, Tbilisi, Republic of Georgia, November 29, 2011.

Teaching and Learning with Chemistry in Context, Workshop for Faculty Development, Catherine Middlecamp, Karen Anderson, and Michael Mury, American Chemical Society, Orlando, FL. December 16-17, 2011.

Watts Up?, Workshop for Faculty Development, Catherine Middlecamp, 13th Annual Conference on Case Study Teaching in Science, Buffalo, NY, September 21-11, 2012.

Sustainability and the Chemistry Curriculum: Moving from Ideas to Actions, Workshop for Faculty Development, Matthew Fisher and Catherine Middlecamp, Next Generation STEM Learning, American Association of Colleges and Universities, Kansas City, MO, November 8-10, 2012.

Using campus as a living learning laboratory for sustainability, Workshop for faculty and campus physical plant, Northern Virginia Community College, Annandale, VA, November 20, 2013.

Sustainability, Walking the talk on campus, 2014 SENCER (Science Education for New Civic Engagements and Responsibilities) Summer Institute, UNC-Asheville, Asheville, NC. July 31 – August 4, 2014.

Chemistry in Context 8th Edition, Workshop for Instructors, co-led with Michael Mury (ACS), Anne Bentley (Lewis & Clark College), and Jennifer Tripp (San Francisco State University), American Chemical Society, Washington, DC, September 26-27, 2014.

Promoting Learning in Context Without Compromising Content, Butler University, Indianapolis, IN, October 20, 21, 2014.

Chemistry in Context 8th Edition, Workshop for Instructors, co-led with Michael Mury (ACS), Karen Anderson (Madison College), and Lallie McKenzie (ChemEleven), American Chemical Society, Orlando, FL, October 13-15, 2014.

What is in the Air You (And Your Students) Breathe? The Academic Arab College for Education in Israel, Haifa, Israel, December 4 and 5, 2016.

Bringing Energy Education to Environmental and Sustainability Studies and Sciences, all-day workshop, *Campus as a Living Laboratory: Learning about Energy*. Co-led with Tom Bryan and Tim Lindstrom in a workshop organized by John Perkins, Association of Environmental Studies and Sciences, 2017 Conference, University of Arizona, Tucson, AZ, June 21-24, 2017.

Campus as a “Living Laboratory” for Sustainability: Energy, Food, and Trash, SENCER Summer Institute, Stony Brook University, Stony Brook, NY, August 2-6, 2017.

Civic Prompts in the Major: Designs in Social Responsibility and the Public Good, One-day institute (organized by Caryn Musil, AAC&U), Institutional Cluster on Science and Sustainability, Center for Experiential Learning, Loyola University Chicago, Chicago, Illinois, November 15, 2019.

B. Incorporating Diversity into the Science Curriculum

Multiculturalism and Curricular Choices, invited workshop for Science Faculty, St. Ambrose University, Davenport, IA, January 8, 1992.

How to Teach Science Inclusively, Broadening the Student Base in Science, Engineering and Mathematical Science: A workshop for faculty in these disciplines, invited workshop, University of Nebraska-Lincoln, April 6, 1993.

Men in Science: Issues and Challenges, invited workshop for faculty, UW-Richland Center, March 13, 1996.

Diversity and Scientific Questions: from campus climate to curricular change, invited workshop, National Conference, American Association of Colleges and Universities, Charleston, SC., April 11–13, 1996.

Diversity in Science: Ensuring the Success of Women and Minority Students, invited workshop leader, Project Kaleidoscope, Fort Lewis College, Durango, CO, August 1–2, 1996.

If We're Not Careful, We Will End Up Where We Are Going: Science and General Education, invited speaker for faculty development, St. Francis College, Loretto, PA, August 19, 1996.

Using the Web in Teaching General Chemistry, invited workshop, Middle Atlantic Discovery Chemistry Project, Fourth Annual Meeting, Hood College, Fredricksburg, MD, August 8–9, 1997.

Teaching with the World Wide Web, invited workshop for faculty, St. Vincent College, Latrobe, PA, August 21, 1997.

Female-friendly, male-friendly, or just plain friendly? Lessons from a large, diverse chemistry course, invited workshop, Enhancing the Learning Environment: A Faculty Symposium Series, Project Kaleidoscope, Chicago, IL, December 5–6, 1997.

Workshop on Attracting and Retaining Students in Science and Mathematics, invited workshop, Ball State University, Muncie, IN, May 20–22, 1998.

Female-Friendly Pedagogy: Answers that Lie in the Questions, invited workshop for faculty, Bates College, Lewiston, ME, May 7, 1999.

Female-Friendly Pedagogy: Answers That Lie in the Questions, invited workshop, Excellence in Teaching Undergraduate Science and Mathematics: National and Chicago Perspectives, Second Annual Symposium, Chicago Collaborative for Excellence in Teacher Preparation, DePaul University, Chicago, IL, January 28, 2000.

Fostering Inclusive Pedagogies: Answers That Lie in the Questions, invited workshop, Rethinking Scientific Literacy in an Age of Diversity and Specialization, Association of American Colleges and Universities, College of Charleston, Charleston, SC, April 13–15, 2000.

Designing Physical Science Courses to Meet the Diversity Requirement, invited workshop, 2003 PKAL National Assemblies, Rowan University, Glassboro, NJ, October 3–5, 2003.

The Intellectual Challenge of Diversity, invited workshop, Science Education for New Civic

Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 6–9, 2004.

Answers That Lie in the Questions, invited keynote address, Ninth Annual Faculty Development Conference, University of Wisconsin–Green Bay, January 13, 2005.

What Do Race, Ethnicity and Gender Have to Do with Teaching Chemistry? invited workshop, The New Jersey Project on Inclusive Scholarship, Curriculum, and Pedagogy, New Jersey Institute for Technology, April 9, 2005.

Environmental Chemistry and Ethnicity, The Intellectual Challenge of Diversity, two workshops for faculty development, 2005 SENCER Summer Institute, Santa Clara University, San Jose, CA, August 5–9, 2005.

Curriculum Transformation Workshop: The Intellectual Challenge of Diversity, invited workshop, 12th Annual Dealing with Difference Institute, Western Illinois University, Macomb, IL, September 16, 2005.

Focusing on Diversity in Science Courses: Interdisciplinary by Design, invited workshop, 2005 Project Kaleidoscope Leadership Seminar, Madison, WI, October 28–30, 2005.

Beyond Being Inclusive: The Intellectual Challenge of Diversity, invited workshop for administrators, WISEST, University of Illinois at Chicago, December 9, 2005.

Institutional Change Through Curriculum Development: What Does Science Have to do with Race, Ethnicity and Gender? invited workshop, The First Annual Creating Institutional Change Conference (CIC), Madison, WI, March 31–April 2, 2006.

Featured Model: Uranium and American Indians, SENCER & the Intellectual Challenge of Diversity, workshops for faculty development, 2006 SENCER Summer Institute, Santa Clara University, San Jose, CA, August 4–7, 2006.

Diversity in the Curriculum: The Intellectual Challenge, January Seminar Days 2007, Bridging Hearts & Minds: A Search for Truths and Meanings in Diversity and Inclusion, Edgewood College, Madison, WI, January 17, 2007.

Teaching the Physical Sciences: The Intellectual Challenge of Diversity, invited workshop for Faculty, Martin Luther King Jr. Day Observance 2008, Bates College, Lewiston, ME. January 21, 2008.

The Intellectual Challenge of Inclusive Teaching, Workshop for Faculty Development, Center for Teaching, University of Iowa, Iowa City, IA, October 5, 2007

Featured Model: Uranium and American Indians, SENCER & the Intellectual Challenge of Diversity, workshops for faculty development, 2011 SENCER Summer Institute, Butler University, Indianapolis, IN. July 20–25, 2011.

Activities of the Alaska SCIWestNet: Promoting Educational Diversity Using Place-based Science, with Larry Duffy, University of Alaska, Fairbanks, Todd Odenbrett, University of Alaska, Bristol Bay, Lisa Hoferkamp, University of Alaska Southeast, SENCER Summer Institute, Santa Clara University, Santa Clara, CA. August 1–5, 2013.

C. Incorporating Writing into the Science Curriculum

Are You Thinking of Offering a Writing Intensive Course? invited workshop, Science, Gender, and Community Curriculum Reform Institute, University of Wisconsin System Women in Science Program, University of Wisconsin–Oshkosh, June 9–13, 2001.

Writing Assignments in Science Courses: The Good, the Bad, and the Ugly, invited workshop, Science, Gender, and Community Curriculum Reform Institute, University of Wisconsin System Women in Science Program, University of Wisconsin–Oshkosh, June 8–12, 2002.

Writing in Science Courses, invited workshop, Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 2–6, 2002.

Including Writing Assignments in Your Course: Mission Possible, invited workshop, Science, Gender, and Community Curriculum Reform Institute, University of Wisconsin System Women in Science Program, University of Wisconsin–Oshkosh, June 14–18, 2003.

Writing in SENCER courses: Mission Possible, Plagiarism in SENCER courses: Mission Impossible, faculty workshop, Science Education for New Civic Engagements and Responsibilities (SENCER) Summer Institute, Santa Clara University, San Jose, CA, August 8–12, 2003; August 6–9, 2004.

Including Writing Assignments in SENCER Courses, workshop for faculty, SENCER Summer Institute, Santa Clara University, San Jose, CA, August 5–9, 2005.
Santa Clara University, San Jose, CA, August 4–7, 2006.

Writing in SENCER Courses, pre-institute workshop, with Glenn Odenbrett, SENCER Summer Institute, Santa Clara University, Santa Clara, CA, August 6, 2008
Roosevelt University, Chicago, IL, August 9, 2009
University of North Carolina, Asheville, August 1, 2010.

Communication! Making (Common) Sense of Science, invited workshop, Great Lakes Innovative Stewardship Through Education Network (GLISTEN), Siena Conference Center, Racine, WI. January 28–30, 2010.

Writing in SENCER Courses, Beyond Add Writing & Stir, with Glenn Odenbrett, Case Western University, 2011 SENCER Summer Institute, Butler University, Indianapolis, IN. July 20–25, 2011.

Writing Across and Beyond the University: Innovative Writing Assignments that Foster Deep Learning in All Disciplines, Brad Hughes, Brian Hendricks, Catherine Middlecamp, Leonora Neville, Michael Thornton, and Stephanie White, Teaching and Learning Symposium, 2012, University of Wisconsin–Madison, May 23, 2012.

Writing in SENCER Courses, Beyond Add Writing & Stir, with Glenn Odenbrett, Case Western University, 2012 SENCER Summer Institute, Santa Clara University, San Jose, CA. August 2–5, 2012.

Reimagining Writing: Innovative Assignments that Engage Students Across the Curriculum, with Bradley Hughes, Stephanie White, Ethelene Whitmire, Michelle Harris, and Jon McKenzie. Teaching and Learning Symposium: Sparking Innovation, Ideas to Impact. University of Wisconsin–Madison, May 22, 2013.

Writing in SENCER Courses, Beyond Add Writing & Stir, with Glenn Odenbrett, Case Western University, SENCER Summer Institute, Santa Clara University, Santa Clara, CA. August 1–5, 2013.