

CURRICULUM VITAE

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Education

Graduate: University of Wisconsin-Madison (1974 - 1978), received Ph.D. in Inorganic Chemistry, August, 1978. Advisor: Professor Richard F. Fenske

Undergraduate: University of Chicago (1971 - 1974), received S.B. in Chemistry with Honors, August, 1974. Research advisor: Professor Virgil L. Goedken

Academic History

Professor of Chemistry and Biochemistry, Worcester Polytechnic Institute, June 2015 - present

Provost and Senior Vice President, Professor of Chemistry and Biochemistry, Worcester Polytechnic Institute, June 2015 - September 2018

Visiting Professor, Departments of Chemistry, Columbia University and Barnard College, January 2011 - July 2012

Distinguished Professor of Chemistry, The University of Tennessee, Knoxville, September 2005 - May 2015

Dean of the College of Arts and Sciences, The University of Tennessee, Knoxville, September 2005 - December 2010

Chair, Department of Chemistry, The Ohio State University, October 1999 - September, 2003

Distinguished University Professor, The Ohio State University, October 1997 - August 2005

Professor of Chemistry, The Ohio State University, October, 1990 - September, 1997

Visiting Associate, California Institute of Technology, 1988

Associated Western Universities Sabbatical Participant, Los Alamos National Lab, 1988

Associate Professor, The Ohio State University, October, 1986 - September, 1990

Assistant Professor, The Ohio State University, September, 1980 - September, 1986

NSF Postdoctoral Research Associate, Texas A & M University, August, 1978 - August, 1980.
Advisor: Professor F. Albert Cotton

Leadership and Administrative Experience

I have served in leadership positions at the levels of Department Chair (Ohio State University), Dean (University of Tennessee), Provost (Worcester Polytechnic Institute), President (American Chemical Society), and Chair (Section on Chemistry, American Association for the Advancement of Science). In all of these positions, I have worked with smart and passionate colleagues, and I have valued collaboration, transparency, and shared governance in achieving tangible goals. The following is a summary of major accomplishments in my academic leadership roles:

Worcester Polytechnic Institute (2015-present): *Provost and Senior Vice President, 2015-2018.* The Provost serves as the Chief Academic Officer of the University. Major responsibilities include the recruitment, retention, development, and promotion/tenure of the faculty, co-management with the faculty of the undergraduate and graduate curriculum, the recruitment and mentorship of deans, department heads, and directors, leading (with the Vice Provost for Research) the research enterprise, management of the University Library, academic resource management, and academic strategic planning. My direct reports included the four academic deans (Arts and Sciences, Business, Engineering, Interdisciplinary and Global Studies), the Dean of Undergraduate Studies, the Dean of Graduate Studies, the Vice Provost for Research, the Director of the Center for Project-Based Learning, the University Librarian, the Academic Affairs Fiscal Manager, and the Academic Affairs Office Manager.

Faculty and Instructional Enhancements

- Implemented Diversity Advocates in all faculty searches to create of more diverse hiring pools.
- Clarified the standards and criteria for promotion and tenure.
- Helped lead the implementation of broader definitions of scholarship in promotion cases.
- Implemented a grass-roots level cluster hiring plan to align faculty hiring with scholarly goals of the Strategic Plan.
- Led successful efforts for strategic senior faculty hires from other universities.
- With three other provosts from the Association of Independent Technological Universities (AITU), co-created a training workshop for new department chairs/heads in the AITU.
- Created the Provost's Student Advisory Committee to increase communication between the Provost and the student body.

Research and Graduate Studies

- Oversaw 45% increase in research awards from FY16 to FY18, to more than \$30M.
- Working with the Vice Provost for Research, created the Research Solutions Institute as a means of stimulating more multidisciplinary multi-user large grant proposals.
- Implemented a new program to support more Ph.D. students by providing incentives for training more MS students.
- Working with the Dean of Graduate Studies, created new graduate fellowships for students from under-represented groups and strengthened the graduate partnership with the UMass Medical School.

Academic Affairs Leadership and Strategic Planning

- Built a strong and empowered team in the Provost's office by broadening responsibilities and fostering greater information sharing.
- Successfully hired a new Vice Provost for Research (male, hired internally), Dean of Engineering (Black male, hired from Princeton), Dean of Arts and Sciences (Black female, hired from the University of Massachusetts Medical School), Director of Robotics Engineering (female, hired from UNC-Charlotte), and University Librarian (female, hired from Cal Poly San Luis Obispo).
- Worked closely with newly established General Counsel to improve and streamline legal aspects of academic policies and processes.

- Hired and mentored the inaugural Director of the Center for Project-Based Learning.
- Strengthened the roles and clarified the responsibilities of the academic deans.
- Led the implementation of the academic goals of the new Strategic Plan for the university.
- Built very productive working relationships with members of the Board of Trustees.

Resource Management

- Implemented greater fiscal controls to restore balance to the budget for Academic Affairs.
- Co-created (with the CFO) an Academic Space Committee to address the increasing problem of space allocation on campus.
- Worked closely with Advancement to establish academic priorities for fund-raising, and to help create new global partnerships, especially in China, the UAE, and Panama.
- Provided leadership in the implementation of the academic portions of a new enterprise resource planning (ERP) suite.

The University of Tennessee, Knoxville (2005-2015): *Dean, College of Arts and Sciences, 2005-2010.* As dean, I led and managed the largest college at the University of Tennessee, Knoxville (UTK), with about 430 faculty members in our 21 departments and schools, 12 Interdisciplinary Programs, and the College Scholars Program for talented undergraduates. The College annually graduates about 1,500 bachelors, 200+ masters, and 100+ doctoral students. By nearly all measures, A&S represents roughly half of UTK.

I also had important leadership roles in University-level initiatives. In 2010 I chaired a task force designed to determine what would be needed to move UTK into the Top 25 of public universities. I had a significant role in the interaction between UTK and Oak Ridge National Laboratory (ORNL), including a major responsibility in the recruitment of state-funded UTK/ORNL Governor's Chairs.

Faculty and Instructional Enhancements

- Used discipline-specific data to invest in more competitive starting salaries for new hires, which also led to salary adjustments to faculty whose salaries were inverted by the higher starting salaries.
- Worked closely with our Departments to fund senior-level external searches and cluster hiring that built on and expanded our existing strengths.
- Increased faculty recognition: From 2008-10, nearly 30 A&S faculty members were elected Fellows of the AAAS, and our five-year record of NEH Fellowships from 2005-2010 ranked sixth nationally.
- Created a Diversity Leadership Award in the College.
- Implemented proactive plans to enhance faculty diversity in A&S, including hiring four new faculty for our interdisciplinary program in Africana Studies, and creating a target-of-opportunity hiring initiative that allowed our departments to compete for directed hires of diverse faculty.
- Significantly reduced the size of some large lecture courses, restructured some of our lower-division courses to facilitate more tenure-line faculty in these courses, and provided incentives to encourage more faculty participation in undergraduate instruction across the College.
- Initiated the first comprehensive review of the A&S general education curriculum in more than 20 years in order to reflect the increasing quality of the students.
- Partnered with the College of Education, Health, and Human Sciences to procure a \$1.4M grant (plus an additional \$400K from the State) to establish a replication site for the successful UTeach program of the University of Texas to increase both the quantity and quality of K-12 teachers in the STEM disciplines.

Research and Graduate Studies

- Significantly increased extramural funding (52% increase from FY08 to FY10), including two successful NSF IGERT proposals and a \$16M NSF Mathematical Biology Center that were led by A&S faculty.

- Partnered with the Office of Research to offer a grant-writing “boot-camp” for faculty, which led to a significant increase in new grant proposals submitted to federal agencies.
- Used a combination of external grant funding, development, and limited-duration investment to increase graduate stipends to more competitive levels, and used endowment to provide funding for dissertation-year fellowships in the humanities.

Advancement and Communication

- Reached \$60M campaign goal for A&S more than two years ahead of schedule, and ended up exceeding more than \$75M in gifts and pledges in spite of the financial challenges of 2008-2010. As part of the campaign, I closed the largest gift tht had been received by the University to that date (\$10M to provide seed funding for a new building for the School of Music).
- Reformulated the duties of our Director of Academic Outreach to include communication, a strategy that worked allowed us to develop a new Web presence, enhance internal and external communications, and convert our College Magazine to an all-electronic format.
- Increased the use of constituent groups to discuss issues in A&S and evaluate initiatives, including the Dean’s Advisory Board, an external group of alumni and friends who provided both counsel and significant development funding, the faculty-led Dean’s Advisory Committee, and the Dean’s Student Advisory Committee, a group of undergraduate students in A&S.
- During budget crisis, held open fora to present budget issues to faculty and staff.

Strategic Planning and Resource Allocation

- Appointed a broadly-based Strategic Planning Committee to formulate the first Strategic Plan for A&S, which provided guidance for the strategic investment of new resources, guidelines for reallocation in the event of future budget cuts, and metrics to measure our progress.
- In FY08 and FY09, the College’s base budget was cut by more than 10%. I advocated, communicated, and implemented strategic cuts, as opposed to across-the-board cuts as has been done numerous times in the past, a strategy that left A&S better positioned in the long run. Through these efforts, we were able to continue adding new faculty to the College in spite of the budget cuts.

The Ohio State University (1980-2005): *Chair, Department of Chemistry, 1999-2003.* In this role, I was the elected leader of a department with about 40 faculty members, 50 staff members, and more than 250 graduate students. We were a top-25 department nationally that also had a very large teaching service role (more than 8,000 students taught each year).

As chair of a strong department, my focus was on enhancing our research excellence while improving our teaching delivery. Among our accomplishments during my term are receiving an NSF Environmental Molecular Sciences grant, being one of only seven departments asked to partner with the Carnegie Initiative on the Doctorate, receiving one of the first two OSU Departmental Teaching Excellence Awards, establishing a Distinguished Alumni Award for our department, and creating an endowment fund to honor our alumnus who was the first African-American astronaut. My administrative team and I eliminated a structural deficit in our budget while simultaneously planning for increasing start-up costs for new faculty. Also during this time, the University switched from traditional to responsibility-centered budgeting, and my team and I made that transition as seamless as possible.

Selected Memberships and Professional Activities

Member, American Chemical Society (since 1974)
Program Chair, 19th Central Regional Meeting, 1987
Alternate Councilor, Division of Inorganic Chemistry, 1989-91
Editorial Advisory Board, *Inorganic Chemistry*, 1990-92
Secretary-Elect, Division of Inorganic Chemistry, 1992
Secretary, Division of Inorganic Chemistry, 1993-95
Executive Committee Member, Division of Inorganic Chemistry, 1997-99
Chair-Elect, Division of Inorganic Chemistry, 2000
Organizer, Symposium on Density Functional Theory in Inorganic Chemistry, 220th National ACS Meeting, 2000
Chair, Division of Inorganic Chemistry, 2001
Executive Committee Member, Division of Inorganic Chemistry, 2002
Editorial Advisory Board, *Inorganic Chemistry*, 2002-04
Nominee for ACS Director, 2004
President-Elect of ACS, 2007
President of ACS, 2008
Editorial Board, *Chemical & Engineering News*, 2008
Immediate Past-President of ACS, 2009
Board of Directors of ACS, 2007-09
Development Advisory Board, 2009-2016
Chair, ACS Fellows Selection Committee, 2009
ACS Fellows Oversight Committee, 2011-present
Chair, ACS Climate Working Group, 2020
Member, American Association for the Advancement of Science
Candidate, AAAS Committee on Nominations, 2013
Chair-Elect, Section on Chemistry, 2014
Chair, Section on Chemistry, 2015
Retiring Chair, Section on Chemistry, 2016
Council Delegate, Section on Chemistry, 2019-present
Member, Council Executive Committee, 2023-present
Member, Fellow Revocation Policy Review Committee, 2024-present
Member, Canadian Society for Chemistry
Guest Editor for Symposium-in-Print, *Polyhedron*, 1989
Nominee evaluator, Alfred P. Sloan Foundation, 1991-92
Review Panelist, Department of Energy Program Review, 1996
Member, User's Advisory Committee of the Environmental Molecular Sciences Laboratory, Pacific Northwest National Laboratory, 2000-03
Chair, Science Advisory Committee of the Environmental Molecular Sciences Laboratory, Pacific Northwest National Laboratory, 2003-06
Board of Directors, entrotech inc., San Francisco, CA, 2004-present
Vice-Chair, Functional Management Review, Early Career Science and Technology Pipeline, Los Alamos National Laboratory, 2013
Board of Directors, Music Worcester, 2022-present

Selected Awards and Honors

Elected to *Order of the C* for student athletes, University of Chicago, 1974
McElvain Outstanding Graduate Student Award, UW-Madison, 1978
NSF National Needs Postdoctoral Fellowship (9/78 - 9/79)
Ohio State University Alumni Award for Distinguished Teaching, 1982

The Colleges of Arts and Sciences Student Council Outstanding Teaching Award, 1984
 Camille and Henry Dreyfus Foundation Teacher-Scholar Award, 1984-1989
 Alfred P. Sloan Foundation Fellowship, 1985-1987
 Associated Western Universities Sabbatical Participant, 1988
 Ohio State University Distinguished Scholar Award, 1990
 Charter Member, Ohio State University Academy of Teaching, 1993
 Honorary Member, Chimes Junior Class Honorary Society, 1993
 Ohio State University Colleges of Arts & Sciences Honors Faculty Service Award, 1995
 Ohio State University Alumni Award for Distinguished Teaching, 1996
 Honorary Member, Sphinx Senior Class Honorary Society, 1996
 Honorary Member, Golden Key National Honor Society, 1997
 Distinguished University Professor designation, The Ohio State University, 1997
 Commencement Speaker, The Ohio State University, 1998
 Honorary Member, Mortar Board Senior Class Honorary Society, 1998
 Honorary Member, National Society of Collegiate Scholars, 1999
 Catalyst Award, American Chemistry Council, 2001
 Ohio State University Faculty Award for Distinguished University Service, 2002
 Spiers Memorial Prize and Medal, Royal Society of Chemistry (UK), 2003
 Fellow of the American Association for the Advancement of Science, 2003
 Morley Medal of the Cleveland Section of the ACS, 2005
 Fellow of the American Chemical Society, 2010
 Master of Ceremonies, Awards Ceremony, 44th International Chemistry Olympiad, 2012
 Symposium entitled "Frontiers in Heavy Element Electronic Structure: A Tribute to Bruce Bursten,"
 253rd National Meeting of the American Chemical Society, 2017
 ACS National Award for Distinguished Service in the Advancement of Inorganic Chemistry, 2020

Selected Non-Administrative University Service at The Ohio State University

Member, Alumni Distinguished Teaching Award Selection Committee, 1982-84 (Chair, 1983-84)
 Member, Provost's Task Force on Teaching Evaluation and Improvement, 1987-90
 Member, OSU Distinguished Scholar Award Selection Committee, 1990-92
 Member, Medical Scientist Program Committee, 1991-99
 University Senate, 1991-94
 Member, Faculty Hearing Committee, 1991-96 (Chair, 1994-95), 1997-2002
 Member, OSU Distinguished Visiting Professor Selection Committee, 1992-93
 Member, Provost's Advisory Committee, 1992-95
 Member, Provost's Committee on Teaching, 1992-94
 Charter Member, OSU Academy of Teaching, 1993
 Member, *Preparing Future Faculty* Steering Committee, 1994-2000
 Member, Dean's Advisory Committee, 1994-99
 Member, Academic Enrichment Proposal Review Panel, 1996-97 (Co-chair, 1997)
 Member, Alumni Distinguished Teaching Award Selection Committee, 1996-99
 Member, Presidential Search Committee, 1997-98
 Member, University Promotion and Tenure Committee, 1997-99
 Member, President's and Provost's Advisory Committee, 1997-2005
 Member, Distinguished University Professor Selection Committee, 1997-99
 Member, Honors Faculty Advisory Committee, 1998-99
 Commencement Speaker, Winter Quarter 1998
 Member, Evaluation of Central Administrators (EOCA) Subcommittee to evaluate the position of
 Vice Provost for Academic Policy and Personnel, 2000-01

Charter Member, President's Council on Women's Issues, 2001-03
Member, President's Competitive Compensation Oversight Group, 2001
Member, Presidential Search Committee, 2002
Main Speaker, President's Convocation for First-Year Students, 2003
Member, Honors Collegium Advisory Committee, 2004-present
Member, Commencement Speaker Selection Committee, 2004-05
Member, OSU Diversity Council, 2004-05
Keynote speaker for numerous events, primarily for the University Honors Program
Chair of numerous faculty search committees

Selected Research Activities

Brief description of primary research area: Theoretical inorganic chemistry, in particular the correlation of theoretical and experimental electronic structural data with the structure, bonding, and reactivity patterns of transition metal and actinide complexes.

Major past research funding: Department of Energy, Basic Energy Sciences Heavy Element Chemistry Program, National Science Foundation, Petroleum Research Fund, Pacific Northwest National Laboratory, DOE Scientific Discovery through Advanced Computing (SciDAC), Ohio Supercomputer Center, U.S. Department of State.

Graduate research advisor for 10 M.S. students, 27 Ph.D. students, and 13 Postdoctoral Research Associates

Undergraduate research advisor for numerous undergraduate chemistry majors, most of whom entered Ph.D. or M.D./Ph.D. programs

Invited Presentations

AT&T Bell Laboratories, Murray Hill, NJ, 1979
179th National ACS Meeting, 1980; Symposium on New Quantum Methods in Inorganic Chemistry and Catalysis
University of Texas, Austin, 1980
University of Cincinnati, 1981
University of British Columbia, 1983
University of Kentucky, 1983
Indiana University, 1983
Marietta College, 1983
University of Michigan, 1983
Ford Motor Company, 1983
University of Toronto, 1983
University of Missouri - St. Louis, 1983
Illinois State University, 1983
Monsanto Chemical Company, 1983
Kenyon College, 1983
University of Akron, 1983
Boston Area Organometallic Colloquium (sponsored by MIT, Harvard, and Brandeis), 1984
187th National ACS Meeting, 1984; Tutorial on Theoretical Inorganic Chemistry - Current State of the Art
187th National ACS Meeting, 1984; Symposium on Theoretical Inorganic Chemistry - Current State of the Art
Wright State University, 1984
University of Wisconsin - Madison, 1984
NSF Organometallic Workshop, University of North Carolina, 1984
Procter and Gamble Company, 1984
Oxford University, 1984
University of Munich, 1984
National Research Council (C.N.R.), Florence, Italy, 1984
NATO Advanced Study Institute on Organo-f-element Chemistry, Maratea, Italy, 1984
Purdue University, 1984
Columbia University, 1984
Marquette University, 1985
SUNY-Buffalo, 1985
Colorado State University, 1985
Gordon Research Conference on Organometallic Chemistry, 1985
190th National ACS Meeting, 1985; Symposium on Organometallics of the Lanthanides, Actinides, and Early Transition Metals
Northern Illinois University, 1985
University of Washington, 1985
University of Oregon, 1985
University of California, Davis, 1985
University of California, Berkeley, 1985
Stanford University, 1985
University of California, Santa Barbara, 1985
University of California, Irvine, 1985
University of California, San Diego, 1985
California Institute of Technology, 1985
University of Southern California, 1985

Invited Presentations (continued)

University of California, Los Angeles, 1985
191st National ACS Meeting, 1986; Symposium on Theory of Metal-Metal Bonding
University of Cincinnati, 1986
University of Minnesota, 1986
3M Company, 1986
17th Rare Earth Research Conference, 1986
192nd National ACS Meeting, 1986; Symposium on Electronic Structure of the Transition State
32nd Meeting of the Research Materials/Transplutonium Program Committee, 1986
Kalamazoo College, 1986
DuPont Savannah River Laboratory, 1986
University of Western Ontario, 1986
University of Toledo, 1986
Himont Research and Development Center, 1987
Gordon Research Conference on Inorganic Chemistry, 1987
33rd Meeting of the Research Materials/Transplutonium Program Committee, 1987
Michigan State University, 1987
DePauw University, 1987
University of Helsinki, 1987
Los Alamos National Laboratory, 1988
University of New Mexico, 1988
9th Rocky Mountain Regional ACS Meeting, 1988; Symposium on The Interplay of Theory and
Experiment in Organometallic Chemistry
Utah State University, 1988
University of Utah, 1988
University of Arizona, 1988
University of Nevada - Reno, 1988
195th National ACS Meeting, 1988; ACS Nobel Laureate Signature Award Symposium
California Institute of Technology, 1988
Northern Illinois University, 1988
18th Rare Earth Research Conference, 1988
West Virginia University, 1988
Bowling Green State University, 1988
University of Pittsburgh, 1989
Texas A&M University Industry-University Chemistry Program, 1989
University of Maryland, 1989
Los Alamos National Laboratory, 1989
44th Northwest Regional ACS Meeting, 1989; Symposium on f-Block Organometallic Chemistry
Calvin College, 1990
Ohio Supercomputer Center Workshop on Density Functional Theory, 1990
Great Lakes Regional ACS Meeting, 1990; Symposium on Computational Chemistry
Second World Congress of Theoretical Organic Chemists, 1990
University of Waterloo, 1990
73rd Canadian Chemical Congress, 1990; ALCAN Award Symposium
Los Alamos National Laboratory, 1990
XIVth International Conference on Organometallic Chemistry, 1990
DOE Heavy Elements Chemistry Program, 1990
Oak Ridge National Laboratory, 1990
Illinois State University, 1990

Invited Presentations (continued)

Joint Southeast/Southwest Regional ACS Meeting, 1990; Symposium on Activation of Small Molecules by Polynuclear Metal Complexes
Los Alamos National Laboratory, 1991
201st National ACS Meeting, 1991; Symposium on High Oxidation State Organometallics
University of Windsor, 1991
University of Delaware, 1991
United States Air Force Academy, 1991
University of Wyoming, 1991
Gordon Research Conference on Organometallic Chemistry, 1991
Xavier University, 1991
Hope College, 1991
University of Idaho, 1992
University of Nevada - Reno, 1992
Miami University, 1992
University of Wisconsin - Milwaukee, 1992
University of Wisconsin - Madison, 1992
5th Winter Conference of the Inter-American Photochemical Society, 1993
205th National ACS Meeting, 1993; Symposium on Fundamental Research Problems in Inorganic Chemistry
University of Michigan, 1993
Wayne State University, 1993
Wabash College, 1993
Ball State University, 1993
Denison University, 1994
207th National ACS Meeting, 1994; Symposium on Actinide, Lanthanide, and Early Transition Metal Chemistry
University of Cincinnati, 1994
NSF Organometallic Workshop, 1994
Marshall University, 1994
Otterbein College, 1994
University of Illinois at Champaign/Urbana, 1995
Gordon Research Conference on Organometallic Chemistry, 1995
Boston College, 1995
Harvard University/MIT Joint Inorganic Colloquium, 1995
Indiana University, 1996
University of Pennsylvania, 1996
University of North Carolina, Chapel Hill, 1996
University of Washington, 1997
University of British Columbia, 1997
Pacific Northwest National Laboratory, 1997
University of Akron, 1997
University of Arizona, 1997
Los Alamos National Laboratory, 1997
Gordon Research Conference on Inorganic Chemistry, 1997
Michigan State University, 1997
University of Nebraska, 1997
Fifth Chemical Congress of North America, 1997; Symposium on Organometallic Chemistry of Group 3 and the f-Elements

Invited Presentations (continued)

University of Pittsburgh, 1997
University of Chicago, 1998
215th National ACS Meeting, 1998; Symposium on Metal-Metal Bonds and Clusters, in honor of the Priestley Medal recipient
4th Department of Energy Basic Energy Sciences Research Conference on Homogeneous Catalysis and Organometallic Chemistry, 1998
Virginia Polytechnic Institute and State University, 1998
James Madison University/Bridgewater College, 1998
University of Virginia, 1998
Indiana State University, 1998
Bowling Green State University, 1998
University of Florida, 1999
217th National ACS Meeting, 1999; Symposium in honor of the recipient of the ACS Award for Distinguished Service to Inorganic Chemistry
217th National ACS Meeting, 1999; Symposium on Heavy Element Chemistry: The Convergence of the Theory & Experiment
Kent State University, 1999
Department of Energy Grand Computational Challenge Conference, 1999
Columbia University, 1999
Plenary Lecturer, Meeting of the Student Affiliate of the ACS, West Virginia University, 2000
University of Iowa, 2000
University of Illinois - Chicago, 2000
220th National ACS Meeting, 2000; Symposium on Density Functional Theory in Inorganic Chemistry
220th National ACS Meeting, 2000; Symposium in Honor of Andrew Wojcicki
Canisius College, 2000
SUNY-Buffalo, 2000
DOE Heavy Element Chemistry Contractors Meeting, 2000
Ohio University, 2001
221st National ACS Meeting, 2001; ACS Award in Organometallic Chemistry Symposium
Gordon Research Conference on Physical Organic Chemistry, 2001
222nd National ACS Meeting, 2001; Symposium on Computational Organometallic Chemistry
Texas A&M University, 2001
Georgia Institute of Technology, 2002
Gordon Research Conference on Inorganic Chemistry, 2002
224th National ACS Meeting, 2002; Symposium on Recent Advances in Inorganometallic Chemistry
Bradley University, 2002
Peoria Section of the American Chemical Society, 2002
Leadoff Lecturer, Midwest Association of Chemistry Teachers in Liberal Arts Colleges Meeting, 2002
Indiana University of Pennsylvania, 2002
Spiers Lecture, Faraday Discussion 124 on Quantum Inorganic Chemistry, York, UK, 2003
DOE Heavy Element Chemistry Contractors Meeting, Santa Fe, NM, 2003
Los Alamos National Laboratory, 2003
Very Heavy Metals 2003, La Colle-sur-Loup, France, 2003
226th National ACS Meeting, 2003; Symposium on Contemporary Aspects of Chemical Bonding
University of Georgia, 2003
Emory University, 2003

Invited Presentations (continued)

The Ohio State University, Evans Lectures Mini-Symposium, 2003
University of California, Irvine, 2003
University of California, San Diego, 2003
Indiana University, 2003
Michigan State University, 2004
Joint DOE/NSF Workshop on Actinide Science in the 21st Century, Washington, DC, 2004
36th International Conference on Coordination Chemistry, Merida, Mexico, 2004; Symposium on d- and f-Element Coordination Chemistry
228th National ACS Meeting, 2004; Symposium honoring Daryle Busch
University of North Carolina, Chapel Hill, 2004
University of California, Davis, 2004
University of California, Berkeley/Lawrence Berkeley National Laboratory, 2004
229th National ACS Meeting, 2005; Symposium in honor of the recipient of the ACS Award in Inorganic Chemistry
Loyola University of Chicago, 2005
DOE Heavy Element Chemistry Contractors Meeting, Rockville, MD, 2005; Keynote Lecture
Morley Award Lecture, Case Western Reserve University, 2005
Actinides 2005 Conference, Manchester, UK, 2005
Oak Ridge National Laboratory, 2005
Rice University, 2006
University of Tennessee Chemical Physics Workshop, 2006
Plutonium Futures–The Science 2006, Asilomar, CA, 2006
232nd National ACS Meeting, 2006; Symposium on Theoretical Inorganic Chemistry
234th National ACS Meeting, 2007; Symposium on Computational Actinide and Transactinide Chemistry: Progress and Perspectives
59th Southeast Regional Meeting of the ACS, 2007; Symposium on Organometallics in the Southeast
Moses Passer Memorial Lecture, Cornell University, 2008
40th Central Regional Meeting of the ACS, 2008; Keynote Lecture
Chinese Chemical Society National Meeting, Tianjin, China, 2008; Symposium on the US-China Chemistry Graduate Program (CGP)
Tsinghua University, Beijing, China, 2008
Peking University, Beijing, China, 2008
42nd Western Regional Meeting of the ACS, 2008; Keynote Lecture
Mexican Chemical Society National Meeting, Tijuana, Mexico, 2008; Inaugural Lecture
60th Southeast Regional Meeting of the ACS, 2008; Keynote Lecture
60th Southeast Regional Meeting of the ACS, 2008; Symposium on Main Group and f-Element Chemistry
ACS Leadership Institute, Dallas, TX, 2009; Closing Lecture
Pennsylvania State University, 2009
Binghamton University, 2009
Universidade Federal do Rio de Janeiro, Brazil, 2009
Plenary Lecture, 32nd Annual Meeting of the Sociedade Brasileira De Química, Fortaleza, Brazil, 2009
238th National ACS Meeting, 2009; Symposium in Honor of P. Jeffrey Hay
University of Maryland, 2009
Keynote Lecture, *Connections to Chemistry* program for chemistry teachers, Boston, 2009
University of Wisconsin, Madison, 2009
E. K. Mellon Lecture, Florida State University, 2010

Invited Presentations (continued)

Columbia University, 2011
Los Alamos National Laboratory, 2011
DOE Workshop on Getting from Where We Are to Where We Want to Be In Nuclear Separations Technologies, 2011; Invited Panelist
242nd National ACS Meeting, 2011; Symposium on ACS Past Presidents
International Workshop on Radionuclide Partitioning and Separations, Tsinghua University, Beijing, China, 2011
13th International Conference on the Chemistry and Migration Behaviour of Actinides and Fission Products in the Geosphere, Beijing, China, 2011; Keynote Lecture
New York University, 2011
243rd National ACS Meeting, 2012; Symposium on Actinide Science in Honor of Lester Morss
University of Missouri, 2012
University of Delaware, 2012
Symposium on the Chemistry and Physics of the Heavy Elements, Santa Fe, NM, 2012
244th National ACS Meeting, 2012; Symposium in Honor of John Fackler
Pacific Northwest National Laboratory, 2012
University of Manitoba, 2012
245th National ACS Meeting, 2013; Symposium in Honor of Richard Haire
Plenary Lecturer, Symposium on Frontiers of Chemical Bonding Theory, Beijing, China, 2013
Ken and Nancy Long Chemistry Lectureship, Westminster College, 2013
247th National ACS Meeting, 2014; Symposium in honor of Norman Edelstein
247th National ACS Meeting, 2014; Symposium on Thermodynamics, Reactivity, and Spectroscopy of the Heavy Elements
UTK Department of Nuclear Engineering, 2014
2014 Midwest Regional Meeting of the ACS, 2014; Symposium on Inorganic Radiochemistry
249th National ACS Meeting, 2015; Symposium in honor of the recipient of the ACS F. A. Cotton Award
249th National ACS Meeting, 2015; Symposium in honor of the 50th Anniversary of the ACS Nuclear Chemistry Division
3rd International Conference on Chemical Bonding, Kauai, Hawaii, 2015
250th National ACS Meeting, 2015; Symposium on the Chemical Enterprise in 2015
ACS Webinar, "How'd We Do? Comparing Current Big Issues in Chemistry Education to Past Predictions," 2015
The Ohio State University, Malcolm Chisholm Memorial Symposium, 2016
Worcester Polytechnic Institute, 2016
251st National ACS Meeting, 2016; Symposium in Honor of A. P. Sattelberger
251st National ACS Meeting, 2016; Symposium in honor of the recipient of the ACS Award in Organometallic Chemistry
Association of Independent Technological Universities (AITU) New Department Chair Workshop, 2017
253rd National ACS Meeting, 2017; Symposium in honor of the recipient of the ACS Award in Nuclear Chemistry
Duquesne University, 2017
45th Boston Regional Inorganic Colloquium, 2018
Association of Independent Technological Universities (AITU) New Department Chair Workshop, 2019
Keynote Lecture, STEM Journey VI, East Sandwich, MA, 2019
259th National ACS Meeting, 2021; Division of Inorganic Chemistry Awards Symposium

Invited Presentations (continued)

261st National ACS Meeting, 2022; Symposium in honor of the recipient of the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry

267th National ACS Meeting, 2025; Symposium Honoring the Contributions of Ann Nalley

The International Chemical Congress of Pacific Basin Societies, 2025: Symposium on Ethics That Impact the Global Chemical Enterprise in a World Needing International Standards

269th National ACS Meeting, 2026; Symposium in honor of the recipient of the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry

269th National ACS Meeting, 2026; Symposium on Snags Along the Way: Career Choices, Mistakes and Milestones

Publications

Textbooks

- T. L. Brown, H. E. LeMay, Jr., and B. E. Bursten, "Chemistry: The Central Science," 5th Edition, Prentice-Hall: Englewood Cliffs, NJ, 1991.
- T. L. Brown, H. E. LeMay, Jr., and B. E. Bursten, "Chemistry: The Central Science," 6th Edition, Prentice-Hall: Englewood Cliffs, NJ, 1994.
- T. L. Brown, H. E. LeMay, Jr., and B. E. Bursten, "Chemistry: The Central Science," 7th Edition, Prentice-Hall: Upper Saddle River, NJ, 1997.
- T. L. Brown, H. E. LeMay, Jr., and B. E. Bursten, "Chemistry: The Central Science," 8th Edition, Prentice-Hall: Upper Saddle River, NJ, 2000.
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