



Division of Nuclear Chemistry and Technology
American Chemical Society

NUCL WWW Home Page – <http://www.nucl-acs.org>

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Alternate Councilor

DAWN A. SHAUGHNESSY, 2012-2014

Members-at-Large, Executive Committee

SUZANNE LAPI, 2012-2014

RICHARD ROBERTS, 2013-2015

NEWSLETTER

October 2014

Newsletter Editor: Lætitia Delmau

Email: delmaulh@ornl.gov

**Abstract submission deadline
for Denver is October 20th**

Topics

- > FROM THE CHAIR
- > AWARD NOMINATIONS COMMITTEE OF NUCL
- > UPCOMING PROGRAMMING
- > PACIFICHEM 2015
- > SUMMER SCHOOL
- > CALL FOR PAPERS

FROM THE CHAIR – *Paul Mantica*

The NUCL division was well represented at the Fall ACS National Meeting that was held August 10-14 in San Francisco. The theme for the San Francisco meeting was “Chemistry and Global Stewardship.” NUCL sponsored 6 symposia over 4.5 days, with a total of 130 oral presentations. At the NUCL Business Meeting, Herb Silber from San Jose State University was recognized as the first recipient of the W. Frank Kinard Distinguished Service Award. The ACS also announced Heino Nitsche as the recipient of the 2015 Glenn T. Seaborg Award in Nuclear Chemistry. Heino passed away in July, and his wife Martha will receive the award on his behalf during the Spring ACS National Meeting in Denver. The NUCL division will also hold a symposium in recognition of Heino’s contributions to nuclear science at the Denver meeting.

A Strategic Planning Session was held by the division on the last day of the San Francisco meeting. The three goal teams presented their preliminary lists of activities and completion criteria. These lists were reviewed by the NUCL Executive Committee and other NUCL members in attendance at the session. A completed draft of the NUCL Strategic Plan for 2015-2020 is now available on the division website (www.nucl-acs.org) for review by membership. I encourage all members to read through the draft plan, and to provide feedback via email to mantica@msu.edu by November 15.

The Long Range Plan (LRP) activities continue, and I will represent the NUCL division on the LRP Writing committee. This committee will have its first meeting in November, and will complete its work by Spring 2015. The final LRP document needs to be submitted to the funding agencies by October 2015.

NUCL Elections

There are four positions on the NUCL Executive Committee that will open at the end of the year. The Nominations Committee has identified two willing candidates for each of the open positions. Their names are listed below, and short bios are included at the end of this newsletter. The election will be held electronically in November.

Vice-Chair (to be Chair-Elect in 2016, Chair and Program Chair in 2017, Immediate Past-Chair in 2018)

Robert Atcher, LANL
Lætitia Delmau, ORNL

Councilor, 3-year term (2015-2017)

Michael Bronikowski, SRNL
Graham Peaslee, Hope College

Alternate Councilor, 3-year term (2015-2017)

Dawn Shaughnessy, LLNL
Nathalie Wall, Washington State U

Member-at-Large, 3-year term (2015-2017)

Suzanne Lapi, Washington U St. Louis
Ralf Sudowe, UNLV

Strategic Plan

The NUCL Strategic Planning exercise is coming to a close. The division mission, vision and goal statements have been formalized and shared with division members in previous communications. Activities and completion criteria associated with each goal were discussed and reviewed at a special Strategic Planning Session held on the last day of the San Francisco meeting. The outcome of that session is the draft NUCL Strategic Plan for 2015-2020, which is posted on the division website www.nucl-acs.org. Members wanting to provide feedback on the draft plan should do so electronically to mantica@msu.edu by November 15.

NSAC

The Nuclear Science Advisory Committee (NSAC) will meet next on Monday, November 17, 2014 in Rockville, MD. The meeting agenda will be posted on the NSAC website (science.energy.gov/np/nsac/). The Long Range Plan (LRP) Writing Group will meet the Sunday before the NSAC meeting. The LRP Town Meetings have been held, and whitepapers are now being generated.

NUCL members are strongly encouraged to continue participating in the LRP process. Updates on the LRP process will be provided on the American Physical Society's Division of Nuclear Physics website: www.aps.org/units/dnp/

AWARD NOMINATIONS COMMITTEE OF NUCL – Steve Yates

The Awards Nominations Committee of the Division was formed to encourage and facilitate nominations for national ACS

awards. Please nominate a colleague for the Seaborg Award (details are given below) or another ACS award (<http://www.acs.org/content/acs/en/funding-and-awards/awards/national.html>).

Glenn T. Seaborg Award for Nuclear Chemistry

(<http://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic/glenn-t-seaborg-award-for-nuclear-chemistry.html>) -- Nominations are initiated by individuals and the procedures are given on the ACS website. The next deadline is **November 1, 2014**.

ACS Fellows

(<http://www.acs.org/content/acs/en/funding-and-awards/fellows.html>) -- Nominations can be initiated by individuals; however, the Division can nominate up to four individuals as ACS Fellows annually. Nominations for the 2015 class of Fellows are scheduled to open February 1, 2015 and close **April 1, 2015**.

W. Frank Kinard Distinguished Service Award, established in 2014, recognizes NUCL members for outstanding service to the division and the field of nuclear science -- Nomination procedures are given on the NUCL website (http://www.nucl.acs.org/?page_id=611) and the next deadline is **July 1, 2015**.

Suggestions and questions should be addressed to Steve Yates (yates@uky.edu; 859-257-4005).

UPCOMING PROGRAMMING- *Dave Hobart, Jenifer Braley, Jeff Terry, Amy Hixon*

The 248th ACS National Meeting & Exposition in San Francisco was an excellent

gathering. Once again we were fortunate to have magnificent organizers and great presentations capturing the diverse scientific aspects of nuclear technology represented by our division.

As was mentioned at the top of the newsletter, the Denver abstract submission deadline is October 20th. I seem to recall many people were quite pleased with Denver as a host city during the fall 2011 meeting. Come March, ski season will be in full swing and we encourage you to leave a little extra time around the meeting to enjoy the local area. Being situated in the Denver suburbs now, I'm happy to help if you have questions related to your visit or would like a tour of the Colorado School of Mines campus.

The July NUCL Newsletter noted that abstract submission will be done using a new abstract management system - MAPS. If you have questions related to abstract submission, please don't contact me. I will do my best to address your questions.

On a final note, the Denver meeting will be my last meeting as program chair for the NUCL division. Jeff Terry (Illinois Institute of Technology) and Amy Hixon (Notre Dame) will be leading programming efforts for the fall and spring national meetings, respectively. If you have interest in programming further out, room exists for the 2015 Fall (Boston) meetings or 2016 Spring (San Diego). Please contact either Dave Hobart (dhobart15@gmail.com), Jeff Terry (terryj@iit.edu) or Amy Hixon (Amy.Hixon.2@nd.edu).

Thanks to all current and future organizers for their programming contributions!

Spring 2015 – Denver, CO – March 22-26, 2015 - Chemical Resources: Extraction, Refining and Conservation

– Seaborg Award Symposium: In Honor of Heino Nitsche. (Organizers: Richard Wilson ANL, Christoph Duellmann, University of Mainz, Thomas Fanghaenel, ITU, Karlsruhe, Annie Kersting, LLNL, David Hobart, LANL/FSU).

– 50th Anniversary of the NUCL Division (Organizers: David Hobart, dhobart15@gmail.com, LANL/FSU, David Shuh, LBNL, dkshuh@lbl.gov; Jon Auxier II, Tennessee, jauxier@utk.edu, Dawn Shaughnessy, LLNL, shaughnessy2@llnl.gov; Thomas Albrecht-Schmitt, FSU;; Dominic Peterson, LANL, dominicp@lanl.gov Jenifer Braley, jbraley@mines.edu, CSM)

– Convergence of Theory and Experiment in Heavy Element Chemistry (Organizers: Alfred Sattelberger, ANL, asattelberger@anl.gov; David Shuh, LBNL, dkshuh@lbl.gov; Lynda Soderholm, ANL, soderholm@anl.gov; David Clark, LANL, dlclark@lanl.gov)

– Nuclear Forensics (Organizers: Robert Rundberg, LANL, rundberg@lanl.gov; Amanda Klingensmith; Todd Bredeweg, LANL, toddb@lanl.gov)

– Uranium from Seawater, NUCL nominal co-sponsor (Robin Rogers, Alabama, rdrogers@ua.edu)

Fall 2015 – Boston, MA – August 16-20, 2015. A History of Innovation: From Discovery to Application

– General Topics in Nuclear & Radiochemistry (Organizer: Jenifer Braley, CSM, jbraley@mines.edu)

– Analytical Chemistry in Nuclear Technology (Organizers: Dave Hobart, LANL/FSU,

dhobart15@gmail.com; Charles Coleman, SRNL, charles02.coleman@srnl.doe.gov, David Hobbs, SRNL, David.Hobbs@srnl.doe.gov; Herman Cho, PNNL, HM.Cho@PNL.gov, PNNL; Dominic Peterson, LANL, dominicp@lanl.gov)

Spring 2016 – San Diego, CA – March 13-17, 2015

General Topics in Nuclear & Radiochemistry (Organizer TBD)

Computational f-element chemistry (Organizer TBD)

Young Investigators (Organizers TBD)

If you are interested in organizing a symposium for 2015, please contact Dave Hobart, 2015 NUCL Chair (dhobart15@gmail.com), or Jenifer Braley, NUCL Program Chair (jbraley@mines.edu).

Several other concepts in development

Radiochemistry Infrastructure – cooperative with the Health Physics Society

Archaeometry (contact Dave Robertson)

PACIFICHEM 2015 – Paul Mantica

The 2015 International Congress of Pacific Basin Societies (Pacifichem) will take place in Honolulu, HI December 15-20, 2015. The Call for Abstracts for 2015 Pacifichem Congress will be from January 1 – March 1, 2015. The preliminary program for the congress is available at:

www.pacifichem.org/symposiadesc2015/

Housing reservations will open by February 1, 2015, and Registration will start on June

25, 2015. For complete information about the Pacifichem Program please visit:

www.pacifichem.org

SUMMER SCHOOL – *Dave Robertson*

Update on the Nuclear Chemistry Summer Schools

This is traditionally the time of year that we announce the dates for the summer schools. I regret to inform the Division that at this time we have not received any funding for the fourth year of the five year grant that will allow us to hold the summer schools in 2015.

I would like to thank all of you that have continued to advocate for the Nuclear Chemistry Summer Schools over the last year. In February the Office of Science charged the Nuclear Science Advisory Committee (NSAC) with “identifying disciplines in which significantly greater emphasis in workforce training at the graduate student or postdoc levels is necessary to address gaps in current and future Office of Science mission needs.” A key recommendation of NSAC in their response to this charge was that “the WDTS, NP and other SC offices work together to increase support for ‘schools’ in areas with critical workforce development needs and sustain their support at viable levels.” The specific NSAC recommendation for the Nuclear Chemistry Summer Schools in the report was to “sustain strong full funding for two Schools and expand to a third one with sufficient funding.” The charge letter from DOE and the July 18, 2014 NSAC Workforce Report can be found at

<http://science.energy.gov/np/nsac/reports>.

Questions, comments, or concerns regarding the summer school program should be directed to:

Prof. J. David Robertson
National Director, ACS Nuclear and
Radiochemistry Summer Schools
University of Missouri
Columbia, MO 65211-7600
Phone 573-882-2240
robertsonjo@missouri.edu

CALL FOR PAPERS



Division of Nuclear
Chemistry and Technology
American Chemical Society

We are celebrating the 50th Anniversary of the Nuclear Chemistry and Technology Division at the Spring National ACS meeting in March 2015 in Denver with a special symposium with the theme *Honoring the Past, Celebrating the Present and Shaping the Future*. We anticipate that there will be a Symposium Dinner held in conjunction with this event.

The Symposium will feature both invited and contributed talks on the history of the Division and about the history and the various places and people and present state of affairs at the national labs, industry, and academia as related to the Division. Topics include but are not limited to radiochemistry, nuclear chemistry and technology, heavy element chemistry, discovery of new elements, reactor technology, environmental concerns, and forensics. We look forward to your participation and thank you for supporting the 50th Anniversary celebration by: *Honoring the Past, Celebrating the Present and Shaping the Future*.

**The deadline for abstract submission in the NUCL Division is
October 20th, 2014.**

<http://www.acs.org/content/acs/en/meetings.html>

Symposium Co-organizers:

David E. Hobart (LANL/FSU)
2015 NUCL Division Chair
dhobart15@gmail.com

Jenifer Braley (CSM)
2015 NUCL Division Program Chair
jenifer.braley@gmail.com

Dawn Shaughnessy (LLNL)
shaughnessy2@llnl.gov

David Shuh (LBNL)
dkshuh@lbl.gov

Thomas Albrecht-Schmitt (FSU)
talbrechtschmitt@gmail.com

Dominic Peterson (LANL)
dominicp@lanl.gov

John Auxier II (UTK)
jauxier@utk.edu

CALL FOR ABSTRACTS

Analytical Chemistry in Nuclear Technology Symposium American Chemical Society National Meeting-Fall 2015

August 16-20, 2015

Boston, MA



Nature of the Symposium

Analytical Chemistry in Nuclear Technology is held under the auspices of the Division of Nuclear Chemistry & Technology. The symposium is intended to provide focused sessions on several analytical technologies related to radiological and other hazardous materials and processes. Previous symposia have drawn a diverse mix of papers from laboratories associated with the Department of Energy and other government agencies and from academic, international, and commercial institutions. Papers consisting of 20-minute oral presentations on research, development, and/or interesting applications are solicited in all aspects of analytical chemistry related to the focused session topics. Please contact one of the session or general organizers for more information if needed.

Deadline for Abstracts

150-word abstracts describing the paper will be due **early April, 2015**. Please consult the ACS web page [ACS.org/Meetings/Fall 2015](http://ACS.org/Meetings/Fall2015) for instructions on submitting abstracts electronically via the web starting mid-January, 2015. The Symposium is listed within the technical program of the Division of Nuclear Chemistry and Technology.

Focused Sessions

- **Developments in Radiochemistry and Nuclear Counting Techniques** -Co-organizers: **Dominic Peterson**, dominicp@lanl.gov, (505) 665-3320, Los Alamos National Laboratory, **David DiPrete**, david.diprete@srnl.doe.gov, (803) 725-8045, Savannah River National Laboratory.
- **Applications of Analytical Chemistry in Nuclear Forensics**-Co-organizers: **Joe Giaquinto**, giaquintojm@ornl.gov, (865) 574-4886, Oak Ridge National Laboratory; **Cole Hexel**, hexelcr@ornl.gov, (865) 574-2449, Oak Ridge National Laboratory; **John D. Auxier II**, jdauxier2@yahoo.com, (303) 514-6515, University of Tennessee, Knoxville/Oak Ridge National Laboratory; **Jon M. Schwantes**, Jon.Schwantes@pnnl.gov, (509) 375-7378, Pacific Northwest National Laboratory.
- **Advances in Nuclear Magnetic Resonance Methods Applied to Nuclear Materials** - Organizer: Herman Cho, HM.Cho@pnnl.gov, (509) 372-6046, Pacific Northwest National Laboratory.
- **Novel Sensors for Use in Radiological and Harsh Environments**-Co-organizers: **Sam Bryan**, sam.bryan@pnnl.gov, (509) 376-6949; **Zheming Wang**, zheming.wang@pnnl.gov, (509) 371-6349, Pacific Northwest National Laboratory; **Robert Lascola**, Robert.Lascola@SRNL.doe.gov, (803) 507-6320, Savannah River National Laboratory.

General Organizers

Chuck Coleman, Charles02.Coleman@srnl.doe.gov, (803) 725-1160, SRNL; **David Hobbs**, David.Hobbs@srnl.doe.gov, (803) 725-2838, SRNL; **Herman Cho**, PNNL, HM.Cho@pnnl.gov, (509) 372-6046, PNNL; **Dominic Peterson**, dominicp@lanl.gov, (505) 665-3320, LANL.



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SILVIA JURISSON, 2014-2016
jurissons@missouri.edu

Alternate Councilor
DAWN A. SHAUGHNESSY, 2012-2014

Members-at-Large, Executive Committee
SUZANNE LAPI, 2012-2014
RICHARD ROBERTS, 2013-2015

CANDIDATE BIOS October 2014

Newsletter Editor: Laetitia Delmau
Email: delmaulh@ornl.gov

Candidates and Positions

NUCL elections will again be conducted electronically via SurveyMonkey, with ballot distribution in November.

Here are the candidates

Chair:

Sequence (Vice-Chair 2015, Chair-Elect 2016, Chair 2017):
Dr. Robert Atcher, Los Alamos National Laboratory
Dr. Laetitia Delmau, Oak Ridge National Laboratory

Counselor:

Dr. Michael Bronikowski, Savannah River National Laboratory
Prof. Graham Peaslee, Hope College (incumbent)

Alternate Counselor:

Dr. Dawn Shaughnessy, Lawrence Livermore Nat'l Lab (incumbent)
Prof. Nathalie Wall, Washington State University

Member-at-Large, Executive Committee:

Prof. Suzanne Lapi, Washington University, St. Louis (incumbent)
Prof. Ralf Sudowe, University of Nevada, Las Vegas

Candidates for Chair

Robert W. Atcher, Los Alamos National Laboratory (ratcher@lanl.gov), received his B.A. in Chemistry from Washington University, St. Louis, (1972), a Masters in Journalism (Science Writing) from the Univ. of Missouri (1976) and his PhD in Nuclear Chemistry from the University of Rochester (1980). He holds the Master of Business Administration from the Univ. of New Mexico (2004). He was a postdoctoral fellow at Harvard Medical School and promoted to Research Associate (1979-1983). In 1983, he moved to the National Cancer Institute where he was a Cancer Expert in the Radiation Oncology Branch. He was appointed to Argonne National Laboratory in 1986 where he served as group leader for nuclear medicine research in the Chemistry Division. He held a joint appointment in as Asst. Professor of Radiation Oncology at the Univ. of Chicago. He was recruited to the Univ. of Alabama at Birmingham in 1994 to lead the

effort to establish the National Biomedical Tracer Facility, a dedicated cyclotron for isotope production. He held appointments as Professor in the Departments of Radiation Oncology and Medicine. In 1997, he moved to Los Alamos National Laboratory to work on the Isotope Production Facility construction and operation. He was appointed the University of New Mexico/Los Alamos National Laboratory Professor of Pharmacy in 2000 where he is also a member of the Cancer Research and Treatment Center. At LANL, he has held a variety of positions in line and program management. In 2009, he was appointed director of the National Isotope Development Center, a virtual center to support the US Dept. of Energy Isotope Development and Production for Research and Applications program in the Office of Nuclear Physics. He recently completed his tenure at NIDC director. From 2008-9, he was President of the Society of Nuclear Medicine where he has chaired several committees including Government Relations and the Awards Committee. He currently serves as the chair of the task group on Medical Isotope Availability. He is the Editor at Large for Molecular Imaging Insight.

He has been a member of the American Chemical Society since 1983 in both the Divisions of Nuclear Chemistry and Technology and Inorganic Chemistry. He was on the founding Editorial Board for Bioconjugate Chemistry. He chaired the NUCL Seaborg Award Committee. He currently serves on the Nuclear Science Advisory Committee for DOE and NSF. He is also a member of the Long Range Planning Committee for the Office of Nuclear Physics at DOE. He has served on numerous committees and panels for the Dept. of Energy, National Institutes of Health and other Federal and International agencies. He is a Fellow of the American Institute of Chemists. He is a member of the board of directors of the Education and Research Foundation for the Society of Nuclear Medicine. He is also a member of the American Physical Society where he serves on the program committee for the Division of Nuclear Physics. He has published over 90 peer-reviewed papers, presented 80 abstracts at national and international meetings, and given 150 invited lectures. He holds 6 patents and has one in process. His research interests include the production of radionuclides for a variety of applications by accelerator, reactor and long-lived parent isotopes; the development of radiopharmaceuticals for the diagnosis and treatment of human disease; and public policy for the development of nuclear science. He consults for a variety of companies from start-ups to Fortune 100 members.

Laetitia H. Delmau, Oak Ridge National Laboratory (delmaulh@ornl.gov) is a Research Staff member in the Chemical Separations Group of the Chemical Sciences Division at Oak Ridge National Laboratory. She graduated with an Engineering degree in 1994 from the Ecole

Supérieure de Physique et de Chimie Industrielles de la Ville de Paris, France, a Post-Master degree in radiochemistry from University of Paris VI, France (1994), and her Ph.D. in physical chemistry at the University of Strasbourg, France in 1997. After a postdoctoral fellowship in the Chemical Separations group at ORNL (1997-2000), she was promoted to her current position. She is the author/co-author of >31 peer-reviewed journal articles, five patents, and has mentored numerous postdoctoral, graduate, and undergraduate researchers. She has served as the lead PI on several research projects and contracts. Her current research interests include: separations chemistry, solvent extraction and ion exchange, solution thermodynamics, actinide chemistry, nuclear fuel reprocessing, radioactive waste treatment, and chemical recognition phenomena. She has been a member of ACS, the I&EC Division, and the NUCL Division since 1998. She has co-organized 4 division symposia at ACS national meetings. She is currently the treasurer of the Separation Science and Technology subdivision of the I&EC and has been the Newsletter editor for the NUCL Division for about 10 years.

Candidates for Councilor

Michael G. Bronikowski, Savannah River National Laboratory

(michael.bronikowski@SRNL.DOE.GOV) was educated at Marquette University (BS, Chemistry, 1984) and Purdue University (Ph.D., Nuclear Chemistry, 1994) where he studied ultra relativistic heavy ion reactions. He took a postdoctoral appointment at Florida State University (1995-1998) to study actinide complexation with organic ligands in concentrated brine. In 1998 he joined the staff at SRNL as a senior scientist in the actinide technology section and is now a principal scientist (2004-present) in the nonproliferation technologies section. He is an Adjunct Assistant Professor in the Department of Environmental Engineering and Earth Sciences at Clemson University (2000-present) and served on the Environmental Health Physics Advisory board (2005-2009) at Clemson. He has held elected positions in the ACS Savannah River local section 2006-present (Chair, 2007). During this time the section ran SERMACS (2006), and won luminary awards for “outstanding performance by a local section”(2006) and the “ACS Presidents award for local government affairs (2007)” On the ACS national level he has been a NUCL member since 1986, an IE&C member since 1996. He co-organized NUCL divisional symposia, and worked on the NUCL “strategic plan” (2007) and with helped with the present plans educational response. He has held the NUCL positions of vice chair (2009), chair elect (2010), chair & program chair (2011) and past chair (2012). Presently, he is on the ACS Seaborg Canvassing committee (2013-2015) and Program Co-Chair for SERMACS 2018. His research interests include: Nuclear reactions, radiochemical separations, as well as separations, process, and environmental chemistry of the actinides.

Graham F. Peaslee, Hope College (peaslee@hope.edu) obtained his undergraduate degree from Princeton University (AB, Chemistry, 1981) and his graduate degree from SUNY – Stony Brook (Ph.D., Chemical Physics, 1987). He took post-doctoral appointments at Lawrence Berkeley Laboratory (1988-1990) and the National Superconducting Cyclotron Laboratory (1990-1993). In 1993 he joined the Chemistry Department at Hope College in Holland, MI. He was promoted to Associate Professor in 2000, and promoted to full Professor in 2007. In 2011 he was named the Hartgerink Professor of Chemistry. In 2000-2001 he was a visiting scientist at the Center of Accelerator Mass Spectrometry at Lawrence Livermore National Laboratory, and in 2007-2008 he was a visiting scientist at the Counterterrorism and Forensic Science Research Unit in the Laboratory Division of the FBI. He is a member of both the APS DNP and the ACS NUCL

Division, and has served as Divisional Councilor since 2012 and as chair of the Coryell Award committee from 2003 to present. He also served on the NAS committee examining the Future of Nuclear and Radiochemistry in the US in 2012 and as co-convenor of the 2014 APS Long-Range Planning Town Meeting on Education and Innovation. His research interests include: Heavy ion reactions with radioactive nuclear beams, ion beam analysis and low-background gamma spectroscopy and environmental applications, and most recently radioisotope harvesting from FRIB.

Candidates for Alternate Councilor

Dawn A. Shaughnessy, Lawrence Livermore National Laboratory

(shaughnessy2@llnl.gov) was educated at the University of California, Berkeley (BS, Chemistry, 1993 and Ph.D., Nuclear Chemistry, 2000). She took a postdoctoral appointment at Lawrence Berkeley National Laboratory in 2000. In 2002, she joined the staff at LLNL, where her assignments have included Staff Radiochemist (2002-present); Principal Investigator for Heavy Element Research (2005-present); and Acting Program Element Leader for Stockpile Radiochemistry (2008-2011). In 2011 she was named Group Leader for the newly created Experimental Nuclear and Radiochemistry group and also acts as the Nuclear Science on the National Ignition Facility point of contact. She has served on the Lawrence Berkeley National Laboratory Nuclear Science Education and Wall Chart Committee, 2003-2005; Local Organizing Committee, 2nd International Conference on the Chemistry and Physics of the Transactinides (TAN03), 2002-2003; Interlaboratory Working Group Meeting (ILWOG-39) 2004 Planning Committee, 2003-2004; NNSA Radiochemist Development Working Group, 2004; Interlaboratory Working Group Meeting (ILWOG-40) 2007 Planning Committee (Lead Organizer), 2006-2007; Interlaboratory Working Group Meeting (ILWOG-41) 2008 Planning Committee, 2007-present; LLNL Glenn T. Seaborg Institute (Science Deputy), 2008-present. In the ACS she has co-organized several divisional symposia. Research interests: nuclear and chemical properties of the actinide and trans-actinide elements, spontaneous and delayed fission properties, target preparation and radiochemical separation techniques, radiochemistry at large laser facilities and the behavior of radioactive contaminants in the environment.

Nathalie A. Wall, Washington State University (nawall@wsu.edu;

<http://nawall.chem.wsu.edu/>), received a maîtrise (B.S. equivalent) in Physical Sciences from the University of Paris (Orsay, France) (1989) and a doctorate in radiochemistry from the University of Paris (Orsay, France) (1993) for her work on actinide chemistry in granitic repository systems. She also worked at the French Atomic Energy Agency (CEA) in the Department for Nuclear Waste Management (1990-1993). During a post-doctoral fellowship at Florida State University (1994-2000) and subsequent appointment at Sandia National Laboratories (2000-2006), she participated to the Compliance Certification and Recertification Applications of the Waste Isolation Pilot Plant (WIPP), the first deep underground repository for TRU wastes. She joined the faculty of the WSU Chemistry Department in 2006, where she held the title of Assistant Research Professor (2006-2008), Clinical Assistant Professor (2008-2009), and Assistant Professor (2009-present). She has been a member of ACS and the NUCL Division since 1996; she co-organized 6 division symposia at ACS national meetings. N. Wall current research focuses on the environmental behavior of radionuclides. Her main goal is to provide valuable data for the detection of nuclear material in the environment, for the remediation of contaminated sites, to ensure the safety of future and existing nuclear waste repositories, and to develop nuclear

forensic tools. She is Member of the Distinguished Reviewer Boards for the Journal of Radioanalytical and Nuclear Chemistry (2011-present). She also holds memberships with the Geochemical Society and the Clay Minerals Society.

Candidates for Member-at-Large, Executive Committee

Suzanne E. Lapi, Washington University in St. Louis (lapis@mir.wustl.edu), received her Ph.D. in Chemistry from Simon Fraser University for her work conducted at TRIUMF and went on as a post-doctoral scholar at University of California in San Francisco (UCSF) developing agents for Positron Emission Tomography (PET). She is currently an Assistant Professor of Radiology at Washington University in Saint Louis and has appointments in Chemistry, Biochemistry and Biomedical Engineering. As Director of the Washington University Isotope Production Group, she oversees production of metal PET radionuclides for both internal use and for distribution to other academic sites in the United States and Canada. Her research interests are in the development of novel imaging isotopes and translation of new PET imaging agents for oncology and she holds both federal and non-federal grants in this area. She is very interested in moving imaging agents forward to clinical use and she is currently producing isotopes and radiopharmaceuticals for several clinical trials. Dr. Lapi is vice president of the Radiopharmaceutical Sciences Council of the Society of Nuclear Medicine and Molecular Imaging (SNMMI) has been a Board member of the NUCL of the ACS for the past 2 years. She also continues to be a strong advocate of radiopharmaceutical sciences and the training of future radiochemists.

Ralf Sudowe, University of Nevada Las Vegas (ralf.sudowe@unlv.edu), received a M.S. in Chemistry (1995) and a Ph.D. in Nuclear Chemistry (1999) from the Philipps-University Marburg in Germany. He spent two years as Visiting Postdoctoral Fellow in the Nuclear Science Division at Lawrence Berkeley National Laboratory (1999 – 2001) and then became a Staff Scientist in the Nuclear Science and Chemical Sciences Division at LBNL (2001 – 2006). In 2006, he joined the faculty of the Department of Health Physics & Diagnostic Sciences at University of Nevada Las Vegas, where he has held the title of Assistant Professor (2006 – 2012) and Associate Professor (2012 – present). He was appointed Director of the Radiochemistry Ph.D. program at UNLV in 2014 and was granted a joint appointment with the Department of Chemistry and Biochemistry. He has co-organized three divisional symposia at ACS National Meetings as well as a symposium at the ACS Western Regional Meeting. He is a member of the American Chemical Society, the American Nuclear Society and the Health Physics Society.