



Division of Nuclear Chemistry and Technology  
*American Chemical Society*

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

**NEWSLETTER**  
**July 2016**

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**Topics**

- > **FROM THE CHAIR**
- > **TREASURER'S REPORT**
- > **ELECTIONS**
- > **UPCOMING PROGRAMMIG**
- > **AWARD NOMINATIONS COMMITTEE OF NUCL**
- > **JOB POSTING**
- > **CALL FOR PAPERS – NUCLEAR AND RADIOCHEMISTRY SUMMER SCHOOL: PAST, PRESENT, AND FUTURE**

**FROM THE CHAIR**

*Paul Benny*

Summer greetings to the members of the NUCL division. With the ACS fall meeting in Philadelphia only a month away, hopefully you have your tickets and hotel booked if not there is still time. It looks to be another exciting meeting. There looks to be a variety of sessions available with a little nuclear science for everyone. In particular, we will be celebrating Philip Horwitz for winning the Seaborg award. If you are able to attend the meeting, we will have the NUCL business meeting on Tuesday evening (Aug. 23). Please come and stay for the social following.

See you in Philly,  
Paul D. Benny

Chair, 2016

Program Chair, 2016

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**DAWN A. SHAUGHNESSY**, 2015-2017

Members-at-Large, Executive Committee

**SUZANNE LAPI**, 2015-2017

**SUE CLARK**, 2016-2018

## TREASURER'S REPORT

*Alice Murray*

The NUCL Division currently has \$70,056 in its checking account and \$76,954 in its savings account. To date in 2016, the NUCL Division has received \$16,796 from the ACS as its allotment and \$8,700 for the July-Dec 2015 dues. The Spring Meeting Expenses were \$5,685. The Francis P. Garvan-Olin Medal: Symposium in honor of Annie Kersting received \$4,000 in support from the Lawrence Livermore National Laboratory. That support was used to cover costs of registration and travel for speakers. The "Tackling the Challenging Electronic Structure of Actinides" Symposium in honor of Richard Martin received \$6,500 from the Los Alamos National Laboratory, and with donations that had been previously obtained by this symposium's organizers for NUCL symposium at previous ACS National Meetings, was able to support \$20,844 for the travel and registration of speakers. The NUCL Division has also provided \$500 to the ACS Central Region Meeting. The NUCL Division received a \$250 donation from a member to support the \$10,000 annual commitment to the ACS Glenn T. Seaborg Award.

## ELECTIONS

*Dave Hobart*

The Division is soliciting candidates for the positions of Vice Chair, Treasurer, Secretary, and Councilor (one position) on the NUCL Executive Committee. Please support your division by volunteering as a candidate. Contact Past Chair Dave Hobart (dhobart15@gmail.com) if you are interested in being a candidate.

## UPCOMING PROGRAMMING

### FALL 2016 – PHILADELPHIA, PA

**August 21 – 25, 2016** (*Jeff Terry*)

The abstract submission deadline for the Philadelphia ACS Meeting has passed. Please contact Jeff Terry ([terryj@iit.edu](mailto:terryj@iit.edu)) for more information.

- **Seaborg Award Symposium – In Honor of E. Philip Horwitz**  
*Organizers: Mark Jensen, Mark Dietz*
- **Nuclear Modeling and Simulation**  
*Organizers: Todd Bredeweg, Suzanne Lapi*
- **Nuclear Forensics**  
*Organizers: John Auxier, Andy Giminaro, Todd Bredeweg*
- **Physicochemical Characterization of Actinides and Fission Products**  
*Organizers: Jeff Terry and Daniel Velazquez*
- **Polymeric Materials as Imaging Agents & Theranostics**  
*(Co-sponsored with POLY, POLY is the primary sponsor)*
- **Radiopharmaceutical Chemistry**  
*(Co-sponsored with FLUO, MEDI, INOR, POLY, FLUO is the primary sponsor)*

**SPRING 2017 – SAN FRANCISCO, CA**  
**April 2 – 6, 2017** (*Amy Hixon*)

Abstract submission for the Spring 2017 National Meeting will open September 1<sup>st</sup>, and close on or around October 31<sup>st</sup>. Symposia are listed below. Please contact Amy Hixon ([ahixon@nd.edu](mailto:ahixon@nd.edu)) if you are interested in chairing a symposium.

- **Advanced Actinide Materials: Nanostructure, Complexity, and Extreme Environments**  
*Organizers: Peter Burns and Ginger Sigmon*
- **Nuclear and Radiochemistry Summer School: Past, Present, and Future**  
*Organizers: Dale Ensor and Dave Robertson*
- **Frontiers in Heavy Element Electronic Structure: A Tribute to Bruce Bursten**  
*Organizers: David Clark, David Shuh, and Lynne Soderholm*
- **Archaeometry in Nuclear Chemistry**  
*Organizer: Rachel Popelka-Filcoff*
- **Nuclear Fission**  
*Organizers: Todd Bredeweg and Bob Rundberg*
- **General Topics in Nuclear Chemistry and Technology**  
*Organizer: Lætitia Delmau*
- **Young Investigators in Nuclear and Radiochemistry**
- **Seaborg Award Symposium**

**ADDITIONAL MEETINGS**

**The Plutonium Futures - The Science conference** will be held in Baden-Baden, Germany, September 18-22, 2016. This conference is a series of conferences to provide an international forum for the presentation and discussion of current research on the physical and chemical properties and environmental interactions of plutonium and closely-related actinide elements. The conference is co-sponsored by the European Commission (EU), the Commissariat à l'Energie Atomique et aux Energies (CEA), France and the Atomic Weapons Establishment (AWE), United Kingdom. Abstract submission has closed. More information can be found at <http://www.pufutures2016.eu/>

**The 16<sup>th</sup> International Workshop on Targetry and Target Chemistry (WTTC16)** will be held in Santa Fe, NM from August 19<sup>th</sup> to September 1<sup>st</sup> of 2016. Abstract submission has closed. Please visit the workshop website for more information: (<http://www.wttc16.us/>).

**AWARD NOMINATIONS COMMITTEE OF NUCL**

The Awards Nominations Committee of the Division was formed to encourage and facilitate nominations for national ACS awards. Please nominate a colleague for one of the awards given below or another ACS award (<http://www.acs.org/content/acs/en/funding-and-awards/awards/national.html>).

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

## **Coryell Award for Undergraduate Research**

Please note that the award deadline for the Coryell Award for undergraduate research has been moved back this year until September 1<sup>st</sup>. Any undergraduate who has been actively doing research in the nuclear chemistry field in the previous year is eligible for consideration of this award. To nominate a student for this award (which includes a certificate and a \$1000 check), please submit a sample of the student's work (in the form of a written report or a publication), together with a nomination letter from the research mentor that describes the extent and the nature of the student's involvement in the research. All the application materials should be emailed to Graham Peaslee ([peaslee@hope.edu](mailto:peaslee@hope.edu)) before September 1.

## **JOB POSTING**

### **AINSE Managing Director Opening**

The board of the Australian Institute of Nuclear Science and Engineering (AINSE) are pleased to announce that advertising has now started for the Managing Director role at AINSE. For details on the position and how to apply please visit the SEEK website: <http://www.seek.com.au/job/31225718>

Please feel free to circulate and forward this information to any interested parties.

For further information on the role please contact Professor Claire Lenehan, AINSE President via Phone: +61.8.8201.2191 or Email: [claire.lenehan@flinders.edu.au](mailto:claire.lenehan@flinders.edu.au).

# Call for Papers:

## Nuclear and Radiochemistry Summer School: Past, Present, and Future

254<sup>nd</sup> National Meeting of the  
American Chemical Society  
San Francisco, CA April 2 – 6, 2017

*Sponsored by the Division of Nuclear Chemistry and Technology (NUCL)  
of the American Chemical Society*

Abstracts are invited from graduates of the nuclear science summer school. Talks should focus on how your experience at the summer school provided focus for your career in nuclear and radiochemistry. The purpose of the symposium is to highlight the importance of the summer school in recruiting current and future generations of scientists. Speakers are encouraged to present past and current research.

Organized by:

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Abstracts will be due in the fall of 2016. You should submit your abstract online at <http://abstracts.acs.org/>. Feel free to contact the organizers to indicate your interest or to answer any questions.