NEWSLETTER
January 2023

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FROM THE PAST CHAIR
Nathalie Wall

Happy New Year! It has been my pleasure to serve the division this past year and interact with NUCL's many talented people. I am delighted to introduce some of our 2023 officers: in particular, Richard Wilson is our 2023 Program Chair, Amy Hixon has been re-elected as secretary, and Annie Kersting is the new vice Chair. I want to thank all our division officers for what they do. I know we are in good hands under your leadership.

Cheers!
NAW

FROM THE CHAIR
Richard Wilson

I am looking forward to serving the ACS NUCL division as chair in 2023. I want to begin by thanking Nathalie Wall for her service as chair of the division and her continued service to the Division as past chair. Also, thank you to Thomas Albrecht-Schonzart for his service as past-chair and efforts in leading our awards committee.
I would also like to congratulate Annie Kersting on her election to the vice chair position for the division and Amy Hixon on her re-election as secretary. I want to thank all of the executive committee, our councilors, and the members of the division who volunteer their time and efforts in serving to advance nuclear science and our community.

As we continue to transition back to ‘normal’ life from the ‘new normal’ of the pandemic I am excited to see you all at the spring meeting, March 26-30, in Indianapolis. I would like to thank Tara Mastren for her efforts in organizing and coordinating an extensive program of technical sessions and programming at the spring meeting. Symposium topics Computational Science in Rare Earth and Actinides, Nuclear Forensics, Radiochemical Separations, and our Sci-Mix and General Topics symposia. Importantly, a symposium on Diversity, Equity, and Inclusion in Nuclear Science and Technology has also been organized.

Congratulations to our Glenn T. Seaborg Award recipient, Jason S. Lewis, for whom a symposium has been organized. The Frank Kinard Awards will be presented at a special symposium organized by Nathalie Wall. The Kinard awards recognize significant and distinguished service to the division.

Programming for the fall meeting in San Francisco is being coordinated by Gian Surbella with symposia covering Data Science and Artificial Intelligence Applications, Nuclear Forensics, Nuclear Materials and Targets, and our Young Investigators in Nuclear and Radiochemistry symposia. As always, early career and young investigators are encouraged to participate in organizing and assisting with the Young Investigator programming.

I am excited to work with all of the membership of NUCL and our scientific community in making 2023 a great year for the division.

NATIONAL MEETING PROGRAMMING

SPRING 2023 – Indianapolis, IN
March 26 - 30
Theme: Crossroads of Chemistry

The 265th ACS National Meeting & Exposition will be held March 26 - 30, 2023 in Indianapolis, IN. The abstract deadline has passed. Please contact Tara Mastren (Tara.Mastren@utah.edu) for more information.

- **General Topics in Nuclear Chemistry and Technology**
  Organizers: Melissa Deri (melissa.deri@lehman.cuny.edu) and Nicholas Esker (nicholas.esker@sjtu.edu)

- **Panel Session: Diversity Equity and Inclusion in the Nuclear Sciences**
  Organizers: Deborah Penchoff (dpenchof@utk.edu), Tara Mastren (Tara.Mastren@Utah.edu), Vasileios Anagnostopoulos (Vasileios.Anagnostos@ucf.edu), and Tyler Spano (spanotl@ornl.gov)

- **Seaborg Award: Symposium in Honor of Jason Lewis**
  Organizers: Brian Zeglis (bz102@hunter.cuny.edu) and Kishore Pillarsetty (pillarstn@MSKCC.ORG)

- **Nuclear Forensics**
  Organizers: Amy Hixon (Amy.Hixon.2@nd.edu), Tyler Spano (spanotl@ornl.gov), Meena Said (said1@llnl.gov)
• Frank Kinard Awards
Organizers: Nathalie Wall

• Panel Session: Facilitating Advances in Nuclear and Radiochemistry through Computational Science
Organizers:
Deborah Penchoff (dpenchof@utk.edu), Charles Peterson (cpeterson@oarc.ucla.edu), Ashley Shields (shieldsae@ornl.gov), and Sarah Finkeldei (sfinkeld@uci.edu)

• Radiochemical Separations
Organizers: Dustin Demoin (Dustin.Demoin@ezag.com) and Laetitia Delmau (delmaulh@ornl.gov)

• Computational Science Applications in Rare Earth Elements and Actinides
Organizers:
Deborah Penchoff (dpenchof@utk.edu), Charles C. Peterson (Charles.Peterson@unt.edu) and Theresa Windus (twindus@iastate.edu)

NUCLEAR CHEMISTRY SUMMER SCHOOL
Lynn Francesconi

We request your assistance in identifying outstanding undergraduates who might be interested in, and qualified for, the Department of Energy and American Chemical Society sponsored Nuclear and Radiochemistry Summer School Program. We are seeking curious and highly motivated students with strong science backgrounds. If selected, these students receive an all-expense paid opportunity to complete a 6-week summer course (June 12, 2023 – July 21, 2023) in Nuclear Chemistry and Radiochemistry in either California at San Jose State University or New York at Brookhaven National Laboratory. They also earn hours (tuition paid) of undergraduate chemistry credit through either San Jose State University or Stony Brook University. Selected students also receive a stipend of $4,000. An announcement for the Nuclear and Radiochemistry Summer Schools that can be distributed to students is attached to this Newsletter. It describes the application procedure and the background we hope applicants will have when applying. This information and an on-line application form can also be found on the web at:
https://www.nucl-acn.org/?page_id=1731

Important: this year, transcripts and letters of recommendation should be uploaded to the secure links accessed through the application website.

The deadline for applications is February 15, 2023. Please distribute this announcement to your undergraduate students and encourage them to consider this unique opportunity! If you or your students have any questions about the sponsored program, please do not hesitate to contact me at Lfrances@hunter.cuny.edu.

Funding for this program is provided by the Department of Energy.

FALL 2023 – San Francisco, CA
August 13 - 17
Theme: Harnessing the Power of Data

The 266th ACS National Meeting & Exposition will be held August 13 - 17, 2023 in San Francisco, CA. Contact Gian Surbella via email at robert.surbella@pnnl.gov with any questions regarding the NUCL programming at the Fall 2023 meeting.
AWARDS NOMINATIONS COMMITTEE
OF NUCL
Thomas Albrecht-Schoenzart

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 (https://www.acs.org/content/acs/en/funding-and-awards/awards/national.html).

Charles D. Coryell Award

Any undergraduate who has been actively doing research in the nuclear chemistry field in the previous year is eligible for consideration of the Charles D. Coryell 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. The nomination deadline is by June 1, 2023, and all application materials should be emailed to Thomas Albrecht-Schoenzart (talbrechtschoenzart@gmail.com).

JOB OPENINGS

The Missouri University of Science and Technology is searching for the Kummer Endowed Professor in the Department of Nuclear Engineering and Radiation Science. More information and the application can be found here.

Lawrence Livermore National Laboratory is searching for a Radiochemistry Postdoctoral Researcher. More information and the application can be found here.
EARN CASH & COLLEGE CREDIT

DOE & ACS Nuclear & Radiochemistry Undergraduate Summer Schools

June 12, 2023 through July 21, 2023

Candidates should be undergraduates with an interest in nuclear science who are presently in their sophomore or junior year of study at a US college or university. They should have completed at least two years of chemistry, one year of physics, and one year of calculus. Applicants must be US citizens.

Fellowships include a $4000 stipend, all tuition and fees, transportation to and from the Summer School location, housing, books, and laboratory supplies. Transferable college credit will be awarded through the ACS accredited chemistry programs at San Jose State University (7 units) or the State University of New York at Stony Brook (6 units).

Completed applications must be received no later than February 15, 2023.

For more information, contact:
Prof. Lynn C. Francescon, Director
Nuclear & Radiochemistry Summer Schools
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Online application forms are available at https://www.nucl-acr.org/?page_id=1731