

ANS NCSN Newsletter Summer 2022

Member Highlight – Shauntay Coleman

Shauntay received her BS degree in Nuclear Engineering from Missouri University of Science and Technology in 2014. She recently pursued a master's degree in Nuclear Engineering from North Carolina State University and graduated May 2022. When she graduated in 2014, she started work at Omaha Public Power District (OPPD) doing the core design for the Fort Calhoun Nuclear Power Plant. In 2016, OPPD decided to close the plant and Shauntay then moved to California to start work in the Nuclear Criticality Safety Division at Lawrence Livermore National Laboratory (LLNL). She is currently the Weapons and Complex Integration Criticality Safety Manager. She manages the LLNL criticality safety support portfolio for work at LLNL and for LLNL operations at the Device Assembly Facility (DAF). Shauntay's main support areas are The plutonium facility, radioactive hazardous and waste management (RHWM), subcritical experiments, and our global security directorate. Additionally, she is an instructor for the criticality safety pipeline course with the University of California Berkeley and an instructor for the NCSN 2-week hands-on course for the LLNL Training Assembly for Criticality Safety (TACS). Shauntay Recently received The Secretary of Energy Achievement Award (team award), the LLNL Director's Institutional Operational Excellence Award, and a Weapons and Complex Integration Gold Award for work regarding the removal of two-thirds of LLNLs transuranic waste drum inventory to WIPP over a 6-week period. She also supported a new Strategic Roll Up Zones in the LLNL Plutonium Facility which increases the flexibility of the material limits. She received a Weapons and Complex Integration Silver award for this work.



Site Highlight – UK WPC

The UK Working Party on Criticality (WPC) has been running a series of webinars since March 2021 as a practical means of providing Continuing Professional Development (CPD) and to facilitate sharing of knowledge and experience during the COVID-19 pandemic. The webinars are open to all with an interest in criticality safety. Attendance has included students, criticality safety specialists from the early stages of their career through to experienced practitioners and nuclear professionals from other disciplines. Twelve webinars have been held up to July 2022 covering a varied range of topics including the criticality safety challenges in deep geological disposal, criticality handbooks, criticality hand methods, uranium chemistry, criticality safety inspections, interpretation of the ALARP principle and an overview of the nuclear data used in criticality codes. Our first international presenter in January 2022 was Catherine Percher from LLNL with 'An Introduction to Critical Experiments'. A paper on the series, authored by the webinar coordinators Emma Williams and Amy van der Vyver, was presented at the NCSN Topical meeting in June. For more information on the series (invite or present), please contact Amy at amyvandervyver@sellfieldsites.com



NCSN Topical Highlights

The embedded NCSN Topical Meeting took place at the 2022 ANS Annual Meeting in Anaheim (California) in June 2022. It included four technical workshops Sunday, 10 technical tracks with many sessions including five lightning talks, and two social events. The contest winners for the speech at the Opening Plenary were Larry Wetzel and Liam Payne. Best paper awards went to Rachel Bruenderman and Amy van der Vyver. A big thanks goes to Catherine Percher at the General Chair and the rest of the Organizing Committee. The meeting also saw the handoff of the NCSN Governance. Chair: Katherin Goluoglu; Vice Chair: Tracy Stover; Secretary: Theresa Cutler; Treasurer: Brittany Williamson; New Executive Committee Members: Larry Wetzel, Michael Zerkle; Hannah Morbach. Several items were discussed at the Governance Meetings which present opportunities for the membership to **GET INVOLVED!** The Education and Membership Committees have near term activities. And a special committee on Military, Trade, and Operations groups was formed.

UPCOMING EVENTS

Trainings/Classes:

- Practical MCNP for the Health Physicist (Sept 12-16 online)
- Intermediate MCNP6 (Oct 3-7 online)
- SCALE/ORIGEN Fuel Depletion, Activation (Oct 3-7 ORNL)
- SCALE Nuclide Inventory LWR Spent Nuclear Fuel (Oct 10-14 ORNL)
- SCALE Criticality Safety Calculations (Oct 24-24 ORNL)
- Introduction to MCNP6 (Oct 24-28 online)
- Variance Reduction with MCNP6 (Dec 5-7 online)
- Two-week CSE Course at NFO/NATM and NCERC/ SNL (Jan 23-Feb 3, 2023)

www.ornl.gov/scale/training

www.lanl.gov/MCNP/training

<https://ncsp.llnl.gov/training-education>

Meeting Reminders:

- EFCOG Worker Safety & Health Subgroup Meeting (Oct 24-27)
- EFCOG Regulatory & Enforcement Technical Subgroup Meeting (Nov 8-9)
- 2022 ANS Winter Meeting (Nov 13-17 Phoenix, AZ)
- ICSBEP/ SINBAD/IRPhEP TRG (April 3-7, 2023, Paris, FR)
- 2023 ANS Annual Meeting (June 11-14, 2023, Indianapolis, IN)
- 2023 ICNC Meeting (October 1-6, 2023)
 - o <https://icnc2023.jaea.go.jp/>
 - o Abstracts due December 2022