

New NNP Leadership

Congratulations to our newly-elected NNP leadership who began their new roles after the June meeting:

Chair: Gene Carpenter
Vice Chair: Chris Robinson
Secretary: Shaheen Dewji
Treasurer: Alicia Swift
EC: John Dewes
EC: Alexis Kaplan
EC: Steven Skutnik
EC: James Behrens

Executive Committee (EC) members serve a three year term, and are expected to attend a majority of the six meetings that will occur during their term. EC members are involved in development of our technical program, review of position statements, and establishing the direction of the NNP. We solicit nominations for Officers from those members actively involved in the NNP. In established divisions, officers generally have an unofficial progression, starting with Treasurer, and then moving to Secretary, Vice Chair, and then Chair over a period of four years.

Spring/Summer 2015 Nuclear Nonproliferation Policy Division Newsletter (Issue No. 5)

Alicia Swift, Editor

NNPD website: <http://nn.ans.org/>

Save the Date: NNP and IRD 2016 Topical Meeting

“Bridging the Gaps in Nuclear Nonproliferation”
September 26-29th, 2016
La Fonda on the Plaza Hotel
Santa Fe, NM

The second (and first standalone) topical meeting organized by the Nuclear Nonproliferation Policy Division, and co-sponsored by the Isotopes and Radiation Division and ANS Trinity Section, is being planned to take place in Santa Fe, New Mexico, in September 2016. Assured confirmation of nonproliferation presents many challenges to those tasked with development of tools and techniques for independent verification of key parameters. This topical meeting will provide a forum for policy makers to highlight existing gaps in capabilities, as well as for researchers to discuss new tools and techniques. Proposed topics will include panel discussions and sessions on current needs in proliferation detection, safeguards, treaty verification, and forensic analysis, among others. For more information, please contact Rian Bahrn (bahrn@lanl.gov).



La Fonda on the Plaza (source: Boston Public Library)



ANS

NNPD News

A newsletter of the ANS Nuclear Nonproliferation Policy Division

ISSUE

05

Spring/Summer
2015

Your NNP Leadership Team

Officers

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Morris Hassler – Immediate Past Chair
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A Message from the Chair

I know that you all enjoyed the Annual Meeting in San Antonio, as I did, where we had our first meeting as the newly formed Nuclear Nonproliferation Policy Division (NNPD)! Many thanks go out to those before me that made this transition to a full technical division a reality. We have some really big plans coming up, so you need to make sure to plug in where you can. Although our NNP technical program for San Antonio was a little lighter than normal, we are making up for it with a very strong program for the ANS 2015 Winter Meeting in Washington, D.C., in November. Also, we have a new ANS award sponsored by NNPD – the Dwight D. Eisenhower Award for outstanding contributions in the field of nuclear nonproliferation, which will be given to the first recipients at the 2015 ANS Winter Meeting – very exciting! We are also working on our very first NNP standalone Topical Meeting in the Fall of 2016 in Santa Fe, New Mexico.

Our membership continues to remain strong and growing, and we see tremendously gifted new members who are ready to jump in and make a difference join us every month. Again, thank you for your involvement in ANS and your interest in nuclear nonproliferation. I hope you enjoyed San Antonio at the Annual Meeting, and I look forward to seeing you in November in Washington, D.C.



Morris Hassler
Immediate Past Chair, NNP

NNTG Becomes NNP, ANS' Newest Division

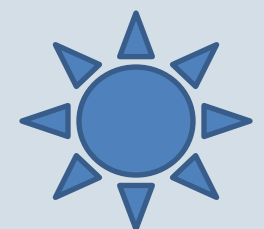
There is a newly formed professional division within the ANS. The Nuclear Nonproliferation Policy Division (NNPD) achieved final approval from the ANS Board of Directors during the 2014 ANS Winter Meeting in Anaheim, CA. Formerly, the Nuclear Nonproliferation Technical Group (NNTG), the NNP becomes the nineteenth (19th) division of the ANS with a membership of over 600 professionals and students. Roughly one-third of the NNP's membership consists of students and the NNP emphasizes and encourages involvement in its activities and governance from all ages and stages of professional development. With its main focus on policy, the NNP is designed and structured to complement the other eighteen ANS divisions (and the YMG technical group), which are mainly focused on technology. NNP stands ready to assist its sister divisions and together, policy and technology can develop and grow together, thereby achieving bigger and better accomplishments.

We invite you to join our division, if you are not already a member, and we look forward to working with you as we continue to grow the ANS in bigger and better ways by combining the policy and technology sides within our future meetings, discussions, and activities.

Thank you for your support!

James W. “Jim” Behrens
Chair, NNTG Division Transition Committee

ANS NNP wishes you a
happy summer!



American Nuclear Society
Nuclear Nonproliferation Policy Division

Technical sessions for November 2015 Meeting in Washington, D.C.

The 2015 ANS Winter Meeting will take place November 8-12, 2015, and be held in the Marriott Wardman Park, Washington, D.C. Below are the planned sessions:

- **An Overview of the 2015 NPT Review Conference - Considerations for the Next 5 Years**
Session Organizer(s): Jessica White-Horton (ORNL) and Rian Bahran (LANL)
Co-Sponsoring ANS Division(s): Young Members Group
- **Nuclear Trade Agreements and Nonproliferation Provisions**
Session Organizer: Alicia Swift (LANL) and Everett Redmond (NEI)
- **Addressing the Insider, Outsider, and Cyber Threats on Nuclear Security and Nonproliferation – Panel**
Session Organizer: Joe Steinbeck (Tennessee)
- **University Consortia for Nuclear Nonproliferation Research and Development**
Session Organizer: Rian Bahran (LANL)
Co-Sponsoring ANS Division(s): Education, Training and Workforce Division, Young Members Group
- **University Education Programs in Nuclear Nonproliferation/Security**
Session Organizer: Craig Williamson (SCUREF)
Co-Sponsoring ANS Division(s): Education, Training and Workforce Division
- **International Panel Session on Nuclear Nonproliferation Culture/Education – Panel**
Co-Sponsoring ANS Division(s): Education, Training and Workforce Division
Session Organizer: Rian Bahran (LANL) and Pat Lynch (ORNL)
- **Nuclear Data Experiments, Evaluations, and Benchmarks [Paper Session]**
Session Organizer(s): Rian Bahran (LANL) and Yaron Danon (RPI)
Co-Sponsoring ANS Division(s): Reactor Physics, AccApp

We look forward to seeing you in D.C.!

Recipients Announced for NNPD's Dwight D. Eisenhower Award

There is a new division-sponsored award within the ANS Honors & Awards family of awards! The Dwight D. Eisenhower Award was approved by the ANS Honors & Awards Committee at the 2014 ANS Winter Meeting held in Anaheim, CA. This award is being administered by the NNPD Honors & Awards Committee and is designed to acknowledge individuals who have made significant contributions to advancing the field of nuclear nonproliferation.

It is our honor to announce that former Secretary of State George P. Shultz and Dr. Sidney D. Drell have been selected to be the 2015 co-recipients of the Dwight D. Eisenhower Award to recognize and celebrate their outstanding achievements in the field of nuclear nonproliferation. They will be honored at the upcoming 2015 Winter Meeting to be held in Washington, D.C.

The selection period for the 2016 award is now open. If you would like to nominate someone, please see this link for the nominating form: <http://www.ans.org/honors/va-eisenhower>.

Morris Hassler
Immediate Past Chair, NNPD

Have a Story to Tell?

Member contributions to the newsletter are always welcome. We are interested in member-written articles about interesting conferences, trainings, insights into current events, or anything else you think other members would like to read. If you would like to be considered for the next newsletter, please contact Mateusz Monieral (mateuszm@umich.edu) by September 2015 for publication in the Fall newsletter.

ESARDA Young Generation Initiative

Members of NNPD may be interested in a new effort by the European Safeguards Research & Development Association (ESARDA) to involve young professionals and students in the field of nuclear safeguards. The Technical Knowledge Management Group of ESARDA has launched the ESARDA Young Generation Initiative (https://esarda.jrc.ec.europa.eu/images/files/Working_Groups/TKM/Flyer-A4.pdf). This new initiative seeks to inspire young students and professionals by providing a meeting point for the promotion and strengthening of a safeguards culture. More information can be obtained from rossa@sckcen.be.

Luc Van Den Durpel
Member, NNPD

ESARDA Training Course

ESARDA and the European Commission's Joint Research Centre at Ispra, Italy (JRC Ispra) organized the 14th course on "Nuclear Safeguards and Non-Proliferation" which was held on March 23-27, 2015, at JRC Ispra. Some 70 participants from across the world attended this course, with lecturers coming from various organizations active in nonproliferation and international safeguards.

The course is open to master degree students, but also young professionals and international relations/law students. The course content covers the evolution of the NPT, the basis of international safeguards, description of the nuclear fuel cycle, international and regional NP treaties, and established institutions and organizations and verification methodologies next to also highlighting nuclear forensics and export control. The 2015 course material is accessible via the Nuclear Safeguards & Security Education and Training (NuSaSET) website (<http://www.nusaset.org/>).

More information on this annual course can be obtained from <http://npns.jrc.it/frameset.html> or directly by mailing to JRC-NUSAF-Secretariat@ec.europa.eu

Luc Van Den Durpel
Member, NNPD

Technical Sessions at 2015 Annual Meeting in San Antonio

NNPD, with FCWMD, IRD, NISD, RPSD, and YMG co-sponsoring, held a technical session at the June meeting in San Antonio. For those that could not join us at our Tuesday session, titled *Nuclear Nonproliferation Technical Group: General*, the paper titles are listed below in case you would like to contact the authors:

Paper titles include:

- Nuclear Forensics: Calculation and Determining the Radioactive Sample: Kingdom of Saudi Arabia as Special Case
- A Comparison of Activation Products in Different Types of Urban Nuclear Melt Glass
- Monte Carlo Simulations of Cosmic Ray Muons for Dry Cask Monitoring

NNPD is on Facebook!

Follow us on Facebook and feel free to post relevant articles for other NNPD followers!

www.facebook.com/groups/ansnntg/

How to Propose Conference Sessions for 2016

The Program Committee is soliciting conference session ideas for 2016 and beyond. Have a great idea, but don't want to chair the session? That's OK - we probably have another member willing to help out. Please follow the steps below to send in your proposals:

1. Write a paragraph detailing the proposed session, specifying if it is a panel or paper session.
2. Submit the description at the Program Committee meeting or send it to anyone on the leadership team to represent it for you. Sessions are decided one year in advance (for example, in June 2014 we chose sessions for the June 2015 meeting).
3. Solicit experts to submit summaries by the deadline (usually about six months in advance) of the meeting in which the session will occur.
4. Inform the Program Chair of who will chair the session at the meeting (Rian Bahran, bahran@gmail.com).

*Program Committee Chair: Rian Bahran
Program Committee Members: Rian Bahran, Steve Mladineo, Alicia Swift, Christie Egnatuk, Luc Van Den Durpel, Jessica White-Horton, and Philip Ugorowski*

NNPD Sponsoring April 2016 Meeting in Annapolis

NNPD, along with other ANS divisions, the US Naval Academy (USNA), and the Institute of Nuclear Materials Management (INMM), is sponsoring a Class IV Meeting in April 2016, which will recognize the recent USNA approval of a nuclear engineering major. The theme will be "Charting the Course Ahead – The Future is Bright for the Nuclear Enterprise", and will bring together students, professors, young professionals, and industry leaders for a meeting on advanced technologies and future policies that are necessary for securing the nation's nuclear future.

The proposed meeting dates are April 17–19, 2016, and will be held in Annapolis, the home of USNA. Proposed paper tracks include:

- Nuclear Nonproliferation and National Security
- Materials and Fuels for Nuclear Reactors
- Military Applications for Nuclear Reactors
- Cybersecurity, Nuclear Safety and Security
- Nuclear Energy Calculations and Modeling
- Computational Modeling of Nuclear Designs and Applications
- Health Physics, Nuclear Medicine, Radiation Exposure and Health Concerns
- Decommissioning and Environmental Impacts
- Nuclear Chemistry and Radiochemistry
- Nuclear Instrumentation and Controls
- General Session for Other Areas of Interest

For more details or to volunteer for this meeting, please contact James "Jim" Behrens (410-353-4079 or jwbehrens@comcast.net).

James W. "Jim" Behrens
Co-Chair, 2016 Annapolis Meeting