



2019 Annual Program Review Agenda

Tuesday, June 25 – Thursday, June 27
Capital Hilton Hotel, Washington, DC

Updated Wednesday, June 19, 2019

Tuesday, June 25

- 4:30 – 7:00pm **Registration** — *Foyer 2*
- 5:00 – 5:30pm **New Fellow Orientation** — *Massachusetts*
- 5:30 – 7:00pm **Welcome Reception & Game Night** — *South American AB*

Wednesday, June 26

- 7:30 – 9:00am **Registration** — *Foyer 2*
- 8:00 – 9:00am **Breakfast** — *South American AB*
- 8:00 – 8:45am **Photo Session: Incoming Fellows** — *California*
- 9:00 – 9:05am **Krell Institute Welcome** — *Federal AB*
Robert Voigt — Vice President of Technical Programs, Krell Institute
- 9:05 – 9:15am **DOE NNSA Welcome**
William Bookless — Principal Deputy Administrator, National Nuclear Security Administration, U.S. Department of Energy

Session I — *Federal AB*

Moderator: Samantha Lawrence, Los Alamos National Laboratory; DOE NNSA SSGF Alumna

- 9:15 – 10:15am **Keynote**
Njema Frazier — Director, Office of Experimental Sciences, National Nuclear Security Administration, U.S. Department of Energy
"Science, Stewards, and the Nuclear Deterrent"
- 10:15 – 10:30am **Break** — *Foyer 2*
- 10:30 – 11:00am **Nathan Finney** — Columbia University
"Crystal Symmetry Tuning in Graphene-boron Nitride Heterostructures With Coexisting Moire Superlattices"
- 11:00 – 11:30am **Brooklyn Noble** — University of Utah
"Nanoscale Mechanics of Ultrathin Polymer Films Using Molecular Dynamics"
- 11:30am – 12:45pm **Luncheon** — *South American AB*

Session II — *Federal AB*

Moderator: Christopher Young, Lawrence Livermore National Laboratory; DOE NNSA SSGF Alumnus

- 1:00 – 1:30pm **Christopher Miller** — Georgia Institute of Technology
"Effects of Microstructure and Chemistry on Ignition Sensitivity of Polymer-bonded Explosives Under Shock Loading"
- 1:30 – 2:00pm **Cody Dennett** — Massachusetts Institute of Technology
"Capturing Radiation-induced Microstructure Evolution In Situ Through Direct Property Monitoring"

2:00 – 2:30pm	Set Up: Fellows' & DOE Laboratory Poster Sessions — <i>South American AB</i>
2:30 – 3:30pm	<p>Lab Experience Panel — <i>Federal AB</i> <i>Insight from DOE laboratory staff and former fellows regarding practicum and residency experiences.</i></p> <ul style="list-style-type: none"> ● Robert Voigt, Moderator — Vice President of Technical Programs, Krell Institute ● Benjamin Galloway, Panelist — R&D Optical Engineer, Sandia National Laboratories; DOE NNSA SSGF Alumnus ● Richard Kraus, Panelist — Research Scientist, Lawrence Livermore National Laboratory; DOE NNSA SSGF Alumnus ● Samantha Lawrence, Panelist — R&D Scientist, Los Alamos National Laboratory; DOE NNSA SSGF Alumna
3:30 – 4:30pm	<p>DOE Laboratory Poster Session — <i>South American AB</i> Welcome Sarah Wilk — Deputy Director, Office of Experimental Sciences, National Nuclear Security Administration, U.S. Department of Energy</p>
4:30 – 6:30pm	Fellows' Poster Session — <i>South American AB</i>
7:00 – 9:00pm	All-attendee Social — <i>Blackfinn Ameripub, 1620 I Street NW</i>

Thursday, June 27

7:30 – 9:00am	Registration — <i>Foyer 2</i>
8:00 – 9:00am	Breakfast — <i>South American AB</i>
8:00 – 8:45am	Photo Session: Outgoing Fellows & Fellow/Alumni Retakes — <i>California</i>

Session III — Federal AB
Moderator: John (Scott) Moreland, Duke University; DOE NNSA SSGF Alumnus

9:00 – 10:00am	<p>Keynote Mareena Robinson Snowden — Stanton Nuclear Security Fellow, Nuclear Policy Program, Carnegie Endowment for International Peace; DOE NNSA SSGF Alumna <i>"Beyond Convention: Alternative Career Paths in Nuclear Security"</i></p>
10:00 – 10:15am	Break — <i>Foyer 2</i>
10:15 – 11:00am	<p>Professional Development: Instant Peer Review <i>Fellow-volunteers present a 5-minute talk about their research and get instant feedback from an all-star panel.</i></p> <p>Fellow Presenters:</p> <ul style="list-style-type: none"> ● Benjamin Musci — Georgia Institute of Technology ● Viktor Rozsa — University of Chicago ● Daniel Woodbury — University of Maryland, College Park <p>Panelists:</p> <ul style="list-style-type: none"> ● Cody Dennett — Massachusetts Institute of Technology ● Erin Good — Louisiana State University ● Mareena Robinson — Carnegie Endowment for International Peace
11:00am – 12:00pm	<p>Professional Development: Keynote Ivan Amato — Author and Science Communicator <i>"Engaging the Public: Communicating By Way of Science Cafes, Podcasts, Videos, Comedy and Poetry"</i></p>
12:00 – 1:00pm	<p>Luncheon — <i>South American AB</i> Essay Contest Winner Announcement Bill Cannon — Science Media Manager, Krell Institute</p>
1:00pm –	Open Afternoon

Fellows are encouraged to explore the local area and depart Washington, D.C. on Friday, June 28.

