

RLI 2022



ASEE Research Leadership Institute

Monday, March 21, 2022

10:00 a.m. - 5 p.m. F. Scott Fitzgerald Pre-Function	Registration
10:00 a.m. - 11:00 p.m. F. Scott Fitzgerald Ballroom CDE	ADR Bootcamp + Networking with ERC Board Members This first-of-its-kind RLI session will provide practical guidance and useful insights for navigating and succeeding at the many services that ADRs perform on behalf of their college/school and institution. It will frame the structure of these roles and how they fit in the campus research ecosystem, with emphasis on creating synergies across colleges, centers/institutes, and support units and advancing research development and discovery. Although the session is primarily intended for ADRs in their first few years of service, the program should be of benefit to anyone who supports the diverse needs of faculty within a research context. Forrest Masters, University of Florida
11:30 p.m. - 1:00 p.m. Ernest Hemmingway Salon 1	ERC Board Meeting and Lunch
1:00 p.m. - 1:10 p.m. F. Scott Fitzgerald Ballroom CDE	Welcome and Introductions Chuck Bunting, Oklahoma State University
1:10 p.m. - 2:30 p.m. F. Scott Fitzgerald Ballroom CDE	Undergraduate Research to Strengthen Pipeline to Graduate School This session will explore examples of successful engagement of undergraduates in research. Following opening remarks to set the framework, the panelists' presentations will highlight undergraduate research implementations at their institutions. Table discussions will focus on application within the experiences of attendees followed by a report out to the group to highlight key ideas. Moderators:

	<p>Chuck Bunting, Oklahoma State University Kimberly Jones, Howard University</p> <p>Panelists: Kenneth W. Van Treuren, Baylor University Liping Liu, Lawrence Technological University</p>
<p>2:30 p.m. – 3:00 p.m. F. Scott Fitzgerald Pre-Function</p>	<p>Refreshment Break</p>
<p>3:00 p.m. - 4:00 p.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Peer to Peer Networking</p> <p>Participants will be asked to re-arrange themselves at tables in the room, with each resulting table populated as follows: 1-3 attendees who are relatively new to their current role (0-2 years in the position); 1-3 attendees who have 2-4 years’ experience; 1-3 with more than 4 years’ experience. For the first 30 minutes, the table groups will discuss 3 specified topics (for 10 minutes each) that came out of the recent survey that was conducted at a recent RLI meeting. For the second 30 minutes, each participant at a table (starting with the newer and less experienced folks) will be asked to identify a research leadership issue related to their specific job that they feel is very important and would like to learn more about. The other participants at the table will then take turns presenting how this issue is dealt with at their institution.</p> <p>Moderators:</p> <p>Harley T. Johnson, University of Illinois at Urbana-Champaign John P. Coulter, Lehigh University</p>
<p>4:00 p.m. - 5:00 p.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Research Matching Fund Administration: Practices and Processes</p> <p>The session will start with a presentation of results from a pre-conference survey of RLI attendees related to matching fund administration practices. Following this, attendees will be broken up into table discussion groups based on home institution characteristics. Each table will be provided with a set of relevant questions to kick-start the sharing of matching fund administration practices and processes. With this sharing among like institutions serving as the primary goal, there will not be a report out period at the end of the session.</p> <p>Moderators:</p> <p>Joe Konstan, University of Minnesota John Coulter, Lehigh University</p>

<p>5:30 p.m. – 6:30 p.m. F. Scott Fitzgerald Pre-Function</p>	<p>Reception</p>
<p>6:45 p.m.</p>	<p>No Host Dinners at a Variety of Local Restaurants</p> <p>We have made reservations at a variety of restaurants that are within walking distance of the Westin Arlington. These networking dinner groups are offered to promote greater interaction among meeting participants. (Note, these are “No Host”, meaning that everyone is expected to pay for their own meal at this event.) Please go to https://www.signupgenius.com/go/10C0F4AADA62EA6FAC07-2022 to pick a venue of your choice and join your RLI colleagues for dinner and conversation.</p>
<p style="text-align: center;">Tuesday, March 22, 2022</p>	
<p>Starting at 7:30 a.m. F. Scott Fitzgerald Pre-Function</p>	<p>Registration</p>
<p>7:30 a.m. - 8:00 a.m. F. Scott Fitzgerald Pre-Function</p>	<p>Continental Breakfast</p>
<p>8:00 a.m. - 8:05 a.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Day 2 Welcome and Announcements</p> <p>Chuck Bunting, Oklahoma State University</p>
<p>8:05 a.m. - 9:05 a.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Supporting Convergent and Interdisciplinary Research</p> <p>The session will start with brief moderator presentations of example initiatives focused on advancing convergent and interdisciplinary research. This will then be followed by table discussions focused on the sharing of ideas from and practices at the institutions represented at the meeting. At the end of the session each table will be asked to share a single example for enhancing team science-oriented research with the entire group.</p> <p>Moderators:</p> <p>John Coulter, Lehigh University Larry Hornak, University of Georgia</p>

<p>9:05 a.m. - 9:30 a.m. F. Scott Fitzgerald Pre-Function</p>	<p>Refreshment Break</p>
<p>9:30 a.m. - 11:00 a.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Research Centers; A 360 Degree View</p> <p>The panel includes major center directors, an NSF program manager, and a representative from a DC consulting firm. Panelists will be asked questions by moderators. After the moderated Q&A, the audience will be invited to ask additional questions.</p> <p>Moderators:</p> <p>Joseph Konstan, University of Minnesota Harley T. Johnson, University of Illinois at Urbana-Champaign</p> <p>Speakers:</p> <p>Deborah Jackson; Program Manager, Engineering Research Centers, NSF Danda Rawat; Director of DoD Center of Excellence in AI/ML, Howard University Thomas Russell; Senior Policy Advisor, Lewis-Burke Associates, LLC Ankur Srivastava; Director, Institute for Systems Research, University of Maryland</p>

<p>11:00 a.m. - 12:00 p.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Training Grants</p> <p>This session focuses on training grants: What are they? How can they be used to support a robust, interdisciplinary research program? How can our faculty write competitive training grant proposals? The panel includes an NSF NRT program manager, an NIH T32 program manager, and an NSF NRT PI. Panelists will each give a short overview and share their unique perspectives. After a moderated Q&A, the audience will be invited to pose additional questions.</p> <p>Moderators:</p> <p>Larry Hornak, University of Georgia</p> <p>Speakers:</p> <p>Patrick Brown; Program Manager, Division of Training, Workforce Development, and Diversity, NIH Vinod Lohani; Program Director, Division of Graduate Education, NSF Harley Johnson; Professor and Associate Dean for Research, University of Illinois</p>
<p>12:00 p.m. - 1:15 p.m. F. Scott Fitzgerald Ballroom AB</p>	<p>Luncheon and ASEE Engineering Research Council Business Meeting (all welcomed)</p> <p>Chuck Bunting, Oklahoma State University</p>
<p>1:30 p.m. - 3:00 p.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Federal Budget Outlook</p> <p>Speaker is well-known to the ERC community and has been providing this assessment of the Federal Budget at the RLI for several years. He will make a presentation for 30-35 minutes and there will be a moderated Q&A session. The audience will be given the opportunity to submit questions in advance as well as posing them at the session.</p> <p>Moderators:</p> <p>Carrie Berger, Purdue Polytechnic Vahid Motevalli, Penn State Harrisburg</p> <p>Speaker:</p> <p>Matt Hourihan, Director, AAAS</p>

<p>3:00 p.m. – 3.30 p.m. F. Scott Fitzgerald Pre-Function</p>	<p>Refreshment Break</p>
<p>3:30 p.m. - 4:30 p.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>Current and Emerging Federal Research Initiatives</p> <p>Each panelist will address their emerging organization within their agency in a brief presentation. The audience will provide questions in advance which will be posed to the panelists. There will be general questions and answers period at the end of the session.</p> <p>Moderators:</p> <p>Forrest Masters, University of Florida Vahid Motevalli, Penn State Harrisburg</p> <p>Speakers:</p> <p>Dr. Tara A. Schwetz; Assistant Director for Biomedical Science Initiatives, Office of Science and Technology Policy Dr. Stephen Binkley; Deputy Director for Science Programs, Office of Science, Department of Energy Dr. Gavin A. Schmidt; Sr. Advisor on Climate (acting), Goddard Institute for Space Studies, NASA</p>
<p>4:30 p.m. - 5:30 p.m. F. Scott Fitzgerald Ballroom CDE</p>	<p>NSF Convergence Accelerator and TIP</p> <p>Each speaker will provide up to date information about the NSF Convergence Accelerator and NSF Directorate for Technology, Innovation, and Partnerships (TIP). There will be general questions and answers period at the end of the session.</p> <p>Moderators:</p> <p>Carrie Berger, Purdue Polytechnic Kimberly Jones, Howard University</p> <p>Speakers:</p> <p>Miriam Quintal; Managing Principal, Lewis-Burke Associates Doug Maughan; Office Head- NSF Convergence Accelerator, National Science Foundation</p>
<p>7:00 p.m. - 9:00 p.m. F. Scott Fitzgerald Ballroom A&B</p>	<p>ERC Dinner – Fireside Chat</p> <p>This year our fireside chat guest is Dr. Charles Johnson-Bey, Senior Vice President from Booz Allen Hamilton. Dr. Johnson-Bey is currently serving on the Executive Committee for the NSF Engineering</p>

Research Visioning Alliance who will be discussing ERVA's vision and will be challenging research leaders throughout the country to contribute to achieving its mission.

The ERC chair, Chuck Bunting, will begin by asking a few initial "fireside-like" questions to establish a rhythm and cadence, and then open the floor to questions from the group.

Wednesday, March 23, 2022

Starting at 7:30 a.m. F. Scott Fitzgerald Pre-Function	Registration
8:00 a.m. – 8:30 a.m. F. Scott Fitzgerald Pre-Function	Continental Breakfast
8:30 a.m. – 10:30 a.m. F. Scott Fitzgerald Ballroom CDE	Foreign Influence - Balancing Open Science with Security Each speaker will provide up to date information and best practices related to foreign influence, specifically the related to the need for universities to balance open science with security. This will be followed by general questions and answers period. The session will pivot to table guided table discussions and report out. Moderators: Carrie Berger, Purdue Polytechnic Chuck Bunting, Oklahoma State University Speakers: Allison Lerner; Inspector General, National Science Foundation; Chair, Council of the Inspectors General on Integrity and Efficiency, National Science Foundation Candice Wright; Director, Science, Technology Assessment, and Analytics, U.S. Government Accountability Office
10:30 a.m. - 10:45 a.m. F. Scott Fitzgerald Pre-Function	Refreshment Break
10:45 a.m. – 11:50 a.m.	Challenging Issue Deep Dive

F. Scott Fitzgerald Ballroom
CDE

Attendees contribute their challenge topics to a Google doc advertised throughout the first two days of the RLI. A condensed list of topics be used to guide table discussions.

Moderators:

Larry Hornak, University of Georgia
Forrest Masters, University of Florida

11:50 a.m. - 12:00 p.m.
F. Scott Fitzgerald Ballroom
CDE

Closing Remarks and Adjournment

Chuck Bunting, Oklahoma State University