About the Research Leadership Institute

Conference Goals:

The Research Leadership Institute is an annual conference led by the Engineering Research Council of ASEE. The topics reflect the feedback received from prior conferences. An exciting and VERY timely addition this year is a session on Economic Espionage – Export Control. Other topics include:

- A Day in the Life of a Research Leader – Lessons Learned
- Generating Funding for PhD Student Support – Innovative Approaches
- Research Development Promising Practices
- Impact of Federal Budget Outlook and US Government Priorities on Research at Universities
- Toward Civility: Research Misconduct and Sexual Harassment
- Current and Emerging Federal Research Initiatives
- Convergent/Interdisciplinary Research – Approaches for Initiation and Sustainability
- And, of course the ever-popular sessions on the Federal R & D Outlook.
There’s no other place nationally for people in their role to get together and share stories and best practices with their peers.

John Leonard, Virginia Commonwealth University

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# SCHEDULE

## MONDAY, MARCH 9, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:00 a.m. – 5:00 p.m.</td>
<td><strong>Registration</strong></td>
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<tr>
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<td>F. Scott Fitzgerald Pre-Function</td>
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<tr>
<td>10:00 a.m. – 12:00 p.m.</td>
<td><strong>ASEE Engineering Research Council (ERC) Board Meeting</strong></td>
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<td>Ernest Hemmingway Salon 1</td>
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<td>12:00 p.m. – 1:00 p.m.</td>
<td><strong>ERC Board Lunch</strong></td>
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<td>Ernest Hemmingway Salon 1</td>
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<tr>
<td>1:00 p.m. – 1:10 p.m.</td>
<td><strong>Welcome and Introductions</strong></td>
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<td>Pamela Norris, Executive Dean, University of Virginia, ERC Chair</td>
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<tr>
<td>1:10 p.m. – 2:30 p.m.</td>
<td><strong>A Day in the Life of a Research Leader - Lessons Learned</strong></td>
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<td><strong>Moderators:</strong></td>
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<td></td>
<td>John Coulter, Senior Associate Dean for Research, Lehigh University</td>
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<td></td>
<td>Bill Dunne, Associate Dean for Research and Facilities, University of</td>
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<td></td>
<td>Tennessee–Knoxville</td>
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<td></td>
<td>Larry Hornak, Associate Vice President for Research, University of</td>
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<td></td>
<td>Georgia</td>
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<td>John Leonard, Executive Dean, Virginia Commonwealth University</td>
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<td></td>
<td><strong>Session Description:</strong></td>
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<tr>
<td></td>
<td>The session will start with the presentation of a few examples of</td>
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<td>important lessons learned by experienced research leaders. This will</td>
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<td>be followed by individual table-based small group discussions with</td>
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<td>at least one of the ERC board members positioned at each table. At</td>
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<td>the end of the session, each table group will share the most positive</td>
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<td>and most negative examples discussed at that table.</td>
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<td>Time</td>
<td>Event</td>
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<tr>
<td>2:30 p.m. – 3:00 p.m.</td>
<td>Refreshment Break Sponsored by EngineeringCAS</td>
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</table>
| 3:00 p.m. – 4:00 p.m. | Generating Funding for Ph.D. Student Support – Innovative Approaches | F. Scott Fitzgerald Ballroom CDE | John Coulter, Senior Associate Dean for Research, Lehigh University  
Larry Hornak, Associate Vice President for Research, University of Georgia  
Pamela Norris, Executive Dean, University of Virginia, ERC Chair |
| 4:00 p.m. – 5:00 p.m. | Research Development: Promising Practices | F. Scott Fitzgerald Ballroom CDE | Chris Brace, Assistant Dean for Graduate Studies, University of Wisconsin–Madison  
Bill Dunne, Associate Dean for Research and Facilities, University of Tennessee–Knoxville  
Christine Grant, Associate Dean for Faculty Development, North Carolina State University  
Ann McKenna, Vice Dean of Strategic Advancement, Arizona State University |

**Session Description:**

The session will start with the presentation of a few examples of innovative doctoral student support initiatives recently implemented at selected institutions. This presentation will be followed by individual table based small group discussions of similar initiatives implemented at the represented universities. At the end of the session, each table group will share at least one such innovation during a report out period.

The purpose of the session is to present and consider effective practices for supporting/mentoring of early-career faculty members, developing skills for faculty mentoring of graduate students, cultivating communities of practice for faculty mentoring, and developing/mentoring teams for major research opportunities. About 1/3 of the session will be for questions and comments about this topic and examples from the attendees.
<table>
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<tr>
<th>Time</th>
<th>Event Description</th>
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| 5:30 p.m. – 6:30 p.m. | Reception  
F. Scott Fitzgerald Pre-Function                                             |
| 6:45 p.m.     | No Host Dinners at a Variety of Local Restaurants  
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 [www.signupgenius.com/go/9040F4AABAB29A1FF2rlinohost](http://www.signupgenius.com/go/9040F4AABAB29A1FF2rlinohost) to pick a venue of your choice and join your RLI colleagues for dinner and conversation. |
# TUESDAY, MARCH 10, 2020

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td><strong>Starting at 7:30 a.m.</strong></td>
<td>Registration</td>
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<tr>
<td>7:30 a.m. – 8:00 a.m.</td>
<td>Continental Breakfast</td>
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<td>8:00 a.m. – 8:05 a.m.</td>
<td>Day 2 Welcome and Announcements</td>
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<tr>
<td><strong>8:05 a.m. – 9:05 a.m.</strong></td>
<td>Federal R&amp;D Outlook</td>
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<tr>
<td>8:05 a.m. – 9:05 a.m.</td>
<td><strong>Moderators:</strong></td>
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<td>Robert M. Briber, Associate Dean for Research, University of Maryland</td>
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<td>Vahid Motevalli, Associate Dean for Research and Innovation, Tennessee Tech University</td>
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<td>Gurdip Singh, Associate Dean for Research and Graduate Programs, Syracuse University</td>
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<td><strong>Session Description:</strong> This session will provide perspectives and projections on federal agency funding and opportunities. Time for questions and answers will be provided.</td>
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<tr>
<td>9:05 a.m. – 9:30 a.m.</td>
<td>Refreshment Break</td>
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9:35 a.m. – 10:55 a.m.
F. Scott Fitzgerald Ballroom CDE

Impact of the Federal Budget and U.S. Government Priorities on Research at Universities

**Moderators:**

Chuck Bunting, Associate Dean of Research and Sponsored Programs, Oklahoma State University

Vahid Motevalli, Associate Dean for Research and Innovation, Tennessee Tech University

**Session Description:**

The attendees will break into groups to discuss the impact on universities of both the federal budget and the differences in priorities between the President and the Congress. The impact on universities may vary depending on their size, location, and types of research activity. Such differences will be reflected in how attendees are grouped. It is expected that the discussions will result in wide-ranging feedback from attendees which will be captured and disseminated.
10:55 a.m. – 11:55 a.m.  
F. Scott Fitzgerald  
Ballroom CDE

**Toward Civility: Research Misconduct and Sexual Harassment**

**Moderators:**

**Chuck Bunting,** Associate Dean of Research and Sponsored Programs, Oklahoma State University

**Larry Hornak,** Associate Vice President for Research, University of Georgia

**Teri Reed,** Assistant Vice President for Research Development, University of Cincinnati

**Session Description:**

Dr. Frazier Benya, a Senior Program Officer at the National Academies of Science, Engineering, and Medicine, will share a brief overview of the 2018 consensus study report, “Sexual Harassment of Women: Climate, Culture and Consequences in Academic Sciences, Engineering, and Medicine.” This briefing will be complemented by Dr. Carrie Wolinetz, Acting Chief of Staff and Associate Director for Science Policy at the National Institutes of Health, discussing new NIH policies and efforts in this area related to research and those involved with research. The NIH is considered the leading federal funding agency in these efforts. This presentation will be followed by a question and answer period.

**Speakers:**

**Frazier Benya,** Senior Program Officer, Committee on Women in Science, Engineering, and Medicine Policy and Global Affairs Division, the National Academies of Science, Engineering, and Medicine

**Carrie D. Wolinetz,** Acting Chief of Staff and Associate Director for Science Policy, Office of the Director, National Institutes of Health (NIH)
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<tr>
<td>12:00 p.m. - 1:15 p.m.</td>
<td>Luncheon and ASEE Engineering Research Council Business Meeting (all are welcomed to attend)</td>
<td>F. Scott Fitzgerald Ballroom AB</td>
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<tr>
<td>Moderator: Pamela Norris, Executive Dean, University of Virginia, ERC Chair</td>
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<td>Awarding of the Curtis W. McGraw Research Awards for 2020:</td>
<td>Prof. Ziqian (Cecilia) Dong from New York Institute of Technology in the non Ph.D. program category</td>
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<td>Prof. Fengqi You from Cornell University in the Ph.D. granting program category</td>
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<tr>
<td>1:30 p.m. - 3:00 p.m.</td>
<td>Quick Topics for Research Leaders</td>
<td>F. Scott Fitzgerald Ballroom CDE</td>
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<td>Moderators: Robert M. Briber, Associate Dean for Research, University of Maryland</td>
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<td></td>
<td>Chuck Bunting, Associate Dean of Research and Sponsored Programs, Oklahoma State University</td>
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<tr>
<td>Session Description:</td>
<td>The Quick Topics for Research Leaders session is designed for attendees to discuss and share ideas and practices on the topics of interest listed above for research leaders. As our duties vary among institutions, choose the areas of particular interest to you. There will be two discussion periods during the session. Notes from the sessions will be collated and shared with conference participants.</td>
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<td>Time</td>
<td>Session</td>
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<td>3:00 p.m. – 3:30 p.m.</td>
<td>Refreshment Break</td>
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<td>F. Scott Fitzgerald Pre-Function</td>
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<td>3:30 p.m. – 4:30 p.m.</td>
<td>Current and Emerging Federal Research Initiatives</td>
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<td>F. Scott Fitzgerald Ballroom CDE</td>
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<td><strong>Moderator:</strong> Pamela Norris, Executive Dean, University of Virginia, ERC Chair</td>
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<td><strong>Session Description:</strong> This session will feature discussion of a number of key strategic initiatives involving Industries of the Future, including AI and Quantum, which are spawning major new programs across the federal research enterprise.</td>
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<td><strong>Speaker:</strong> Lynne Parker, Deputy United States Chief Technology Officer, The White House</td>
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<tr>
<td>4:30 p.m. – 5:30 p.m.</td>
<td>Convergent/Interdisciplinary Research – Approaches for Initiation and Sustainability</td>
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<td>F. Scott Fitzgerald Ballroom CDE</td>
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<td><strong>Moderator:</strong> Chuck Bunting, Associate Dean of Research and Sponsored Programs, Oklahoma State University</td>
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<td><strong>Session Description:</strong> This session will provide insights and experiences from three different approaches to launching new convergent/interdisciplinary research efforts.</td>
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| **Speakers:** Carrie Berger, Associate Dean for Research, Purdue University  
Phil Bourne, Dean, School of Data Science, University of Virginia  
Gurdip Singh, Associate Dean for Research and Graduate Programs, Syracuse University |
7:00 p.m. – 9:00 p.m.
F. Scott Fitzgerald Ballroom DE

**RLI Dinner – Fireside Chat with Dawn Tilbury**

**Moderator:**

**Stephanie Adams, President, ASEE**

**Session Description:**

Our general topic is “broadening participation in graduate research.” Graduate students are the backbone of university research workforce. Shifting enrollments, questions about the value of a college/graduate education, and other issues affect our ability to attract students to doctoral studies.

**Speaker:**

**Dawn Tilbury, Assistant Director, Directorate for Engineering, National Science Foundation**
**WEDNESDAY, MARCH 11, 2020**

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<td>Continental Breakfast</td>
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<tr>
<td>8:00 a.m. - 10:30 a.m.</td>
<td>Economic Espionage - Export Control</td>
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<tr>
<td>10:30 a.m. - 10:45 a.m.</td>
<td>Refreshment Break</td>
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**Moderators:**
- Carrie Berger, Associate Dean for Research, Purdue University
- Teri Reed, Assistant Vice President for Research Development, University of Cincinnati

**Session Description:**
FBI and NIH experts will share case studies and discuss approaches universities can adopt to protect their IP. They will be followed by university colleagues, who will describe how they are implementing best practices.

**Speakers:**
- Melissa Abbate, Intelligence Analyst, FBI
- John Hartnett, Supervisory Special Agent, FBI Headquarters, Economic Espionage Unit
- Mike Shannon, Director, Office of Management Assessment, NIH
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<tr>
<th>10:45 a.m. – 11:50 a.m.</th>
<th><strong>University Response – Practical Approaches to New Economic Espionage and Export Control Issues</strong></th>
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</thead>
</table>
| F. Scott Fitzgerald Ballroom CDE | **Moderators:**  
Carrie Berger, Associate Dean for Research, Purdue University  
Teri Reed, Assistant Vice President for Research Development, University of Cincinnati  
**Session Description:**  
Join us for a panel discussion that will provide real-world examples and promising practices in response to the challenges facing universities as they navigate the new world of economic espionage and export controls.  
**Panelists:**  
Deborah Altenburg, Assistant Vice President for Research Advocacy and Policy, Association of Public and Land-Grant Universities  
Kelly Hochstetler, Director, Finance Outreach and Compliance, University of Virginia |
| 11:50 a.m. – 12:00 p.m. | **Closing Remarks and Adjournment** |
| F. Scott Fitzgerald Ballroom CDE | **Pamela Norris,** Executive Dean, University of Virginia, ERC Chair |
Thank You To Our Sponsor
For Their Generous Support Of
RLI!

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