

# ERC 2018



March 12-14, 2018  
Westin Arlington

## ASEE Engineering Research Council

### Monday, March 12, 2018

**9:30 a.m. - 12:30 p.m.**  
Ernest Hemingway Salon 1

**ERC Board Meeting** (*By Invitation Only*)

**Starting at 11:30 a.m.**  
F. Scott Fitzgerald  
Pre-Function

**Registration**

**12:30 p.m. - 12:45 p.m.**  
F. Scott Fitzgerald  
Ballroom CDE

**Welcome and Introductions**

**Bill Dunne**, *Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair*

**12:45 p.m. - 2:30 p.m.**  
F. Scott Fitzgerald  
Ballroom CDE

**Workshop: Cultivating a Culture of Leadership**

The purpose of this session is to introduce ERC members to an example of an institutional approach for developing faculty and administrative leadership particularly with respect to research-related matters at colleges of engineering.

**Moderators:**

**Bill Dunne**, *Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair*  
**Brian Ten Eyck**, *Assistant Dean, Research Development, University of Arizona*

**Speaker:**

**Minu Ipe**, *Senior Fellow for Leadership and Institutional Design, Arizona State University*

**2:30 p.m. - 3:00 p.m.**  
F. Scott Fitzgerald  
Ballroom B

**Refreshment Break**

**3:00 p.m. - 4:30 p.m.**  
F. Scott Fitzgerald  
Ballroom CDE

**Panel: Innovation and Commercialization Ecosystems**

This panel and discussion session explores models for college innovation ecosystems, including approaches to enable or enhance innovation and patent activity, technology transition, and startup creation. Panelists will describe possible ways in which undergraduates, graduate students, faculty, and staff may be engaged. Challenges for balance between traditional academic activities and outward-looking technology development, as well as strategies for providing resources in support of the ecosystem, will be discussed.

**Moderators:**

**Jennifer Bernhard**, *Associate Dean for Research, University of Illinois at Urbana-Champaign*  
**Eric Eddings**, *Associate Dean for Research, University of Utah*

**Speakers:**

**Keith Marmer**, *Executive Director for Technology and Venture Commercialization, University of Utah*

**Andrew Singer**, *Director of the Technology Entrepreneur Center, University of Illinois at Urbana-Champaign*

<p><b>4:30 p.m. - 6:00 p.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Panel: Building Industry-University Partnerships</b></p> <p><b>Moderators:</b> <b>John Coulter</b>, <i>Senior Associate Dean for Research, Lehigh University</i> <b>Larry Hornak</b>, <i>Associate Dean for Research and Graduate Studies, University of Georgia</i></p> <p><b>Speakers:</b> <b>Anthony Boccanfuso</b>, <i>President, University Industry Demonstration Partnership (UIDP)</i> <b>Daniel Kramer</b>, <i>Associate Vice President, Industry Liaison Office, Office of Research, Ohio State University</i> <b>Crystal Leach</b>, <i>Director, Industry Collaborations, University of Georgia</i></p>
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<p><b>6:00 p.m. - 7:00 p.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Networking and Reception</b></p>
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<p><b>Post 7:00 p.m.</b> (off-site event)</p>	<p><b><u><a href="#">Networking Dinners (no-host dinners)</a></u></b></p> <p>Two years ago we piloted an idea of “No-Host Networking Dinners.” These are self-selecting networking dinner groups designed to promote greater interaction among meeting participants. We have collected a list of restaurants that are within walking distance of the Westin Arlington Hotel, and will reach out to find volunteers to serve as hosts for a group of meeting participants. (Note that again everyone will be expected to pay for his or her own meal at this event.)</p> <p>Please follow the <a href="#">LINK</a> to pick a venue of your choice and join your ERC colleagues for dinner and conversation.</p> <p><b>Organizer:</b> <b>Brian Ten Eyck</b>, <i>Assistant Dean, Research Development, University of Arizona</i></p>
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**Tuesday March 13, 2018**

<p><b>Starting at 7:30 a.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Registration</b></p>
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<p><b>7:30 a.m. - 8:00 a.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Continental Breakfast</b></p>
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<p><b>8:00 a.m. - 8:10 a.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Day 2 Welcome and Announcements</b></p> <p><b>Bill Dunne</b>, <i>Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair</i></p>
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<p><b>8:10 a.m. - 9:40 a.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Workshop/Breakout Session: Management of Research Space</b></p> <p>The purpose of this workshop/breakout session is to draw on peer knowledge and experience to identify best practices and opportunities when dealing with management of research space. Our intended outcome is a summary of best practices about research space management that will be presented by the different table-level working groups and then compiled into a single document that will be shared with ERC members after the conference.</p> <p><b>Moderators:</b> <b>Bill Dunne</b>, <i>Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair</i> <b>Pam Norris</b>, <i>Executive Associate Dean for Research, University of Virginia</i></p>
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<p><b>9:40 a.m. - 10:00 a.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Refreshment Break</b></p>
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<p><b>10:00 a.m. - 11:00 a.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Session/Panel: Information Security</b></p> <p>This session will address Controlled Unclassified Information (NIST 800-171) and the implications for research at U.S. academic institutions.</p> <p><b>Organizers:</b> <b>Chuck Bunting</b>, <i>Associate Dean of Research and Sponsored Programs, Oklahoma State University</i> <b>Brian Ten Eyck</b>, <i>Assistant Dean, Research Development, University of Arizona</i></p> <p><b>Speakers:</b> <b>Doug Backman</b>, <i>Director, Office of Compliance, University of Central Florida</i> <b>Chris Schreiber</b>, <i>Global Pursuit Specialist for Higher Education, FireEye, Inc.</i></p>
<p><b>11:00 a.m. - 12:00 p.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Workshop: Enhancing Graduate Student Recruitment Success</b></p> <p>This session will focus on graduate student recruitment. Our intended outcome is a summary of best practices to recruit diverse, academically talented students to engineering graduate programs.</p> <p><b>Moderators:</b> <b>Larry Hornak</b>, <i>Associate Dean for Research and Graduate Studies, University of Georgia</i> <b>Jean VanderGheynst</b>, <i>Executive Associate Dean for Research and Graduate Studies, University of California, Davis</i></p>
<p><b>12:00 p.m. - 1:15 p.m.</b> F. Scott Fitzgerald Ballroom ABC</p>	<p><b>Luncheon and ASEE ERC Business Meeting</b></p> <p><b>Moderator:</b> <b>Bill Dunne</b>, <i>Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair</i></p>
<p><b>1:30 p.m. - 3:00 p.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Workshop/Panel: Adding/Growing Research Development as Part of Your Portfolio</b></p> <p>This session will discuss research development with a presentation by Peg AtKisson of the AtKisson Training Group, a consulting firm with extensive experience in research and leadership development. The session will allow for a sharing of experiences at different member institutions and a panel Q&amp;A discussion.</p> <p><b>Moderators:</b> <b>Robert Briber</b>, <i>Associate Dean for Research, University of Maryland</i> <b>Chuck Bunting</b>, <i>Associate Dean of Research and Sponsored Programs, Oklahoma State University</i></p> <p><b>Presenter:</b> <b>Peg AtKisson</b>, <i>Director, AtKisson Training Group</i></p> <p><b>Panel Participants:</b> <b>Peg AtKisson</b>, <i>Director, AtKisson Training Group</i> <b>Chuck Bunting</b>, <i>Associate Dean of Research and Sponsored Programs, Oklahoma State University</i> <b>Eric Chapman</b>, <i>Assistant Vice President for Research and Development, University of Maryland</i> <b>Brian Ten Eyck</b>, <i>Assistant Dean, Research Development, University of Arizona</i></p>
<p><b>3:00 p.m. - 3:30 p.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Refreshment Break</b></p>

<p><b>3:30 p.m. - 5:00 p.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Panel: Building New Engagements with Federal Agencies</b></p> <p>This session will provide agency overviews and guidance on how to build new engagements with three federal funding agencies.</p> <p><b>Moderator:</b> <b>Pam Norris</b>, <i>Executive Associate Dean for Research, University of Virginia</i></p> <p><b>Speakers:</b> <b>Joan Cleveland</b>, <i>Deputy Chief Scientist, Office of Naval Research</i> <b>Rosemarie Hunziker</b>, <i>Program Director, National Institute of Biomedical Imaging and Bioengineering, NIH</i> <b>Kristen Jordan</b>, <i>Program Manager, IARPA</i></p>
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<p><b>5:00 p.m. - 5:45 p.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Open Discussion: Challenges Faced by Associate Deans of Research at Small and Mid-size Engineering Schools</b></p> <p>The 2nd Chicago Conference for Associate Deans of Research at Small and Mid-size Engineering Schools was held Monday, October 16, 2017 at the University of Illinois at Chicago. The aim of the conference was to provide these associate deans with the practical, effective and field-based knowledge they need to successfully address some of the challenges, which may be size dependent, to the development of research and graduate education at these smaller colleges. The speakers will share their findings from this conference.</p> <p><b>Introduction:</b> <b>Pam Norris</b>, <i>Executive Associate Dean for Research, University of Virginia</i></p> <p><b>Moderators:</b> <b>Kenneth Brezinsky</b>, <i>Associate Dean for Research and Graduate Studies, University of Illinois at Chicago</i> <b>Vahid Motevalli</b>, <i>Associate Dean for Research and Innovation, Tennessee Technological University</i></p>
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<p><b>7:00 p.m. - 9:00 p.m.</b> F. Scott Fitzgerald Ballroom DE</p>	<p><b>ERC Dinner with Speaker</b></p> <p><b>Organizer:</b> <b>John Coulter</b>, <i>Senior Associate Dean for Research, Lehigh University</i></p> <p><b>Speaker:</b> <b>Alton Romig Jr.</b>, <i>Executive Officer, National Academy of Engineering</i></p>
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**Wednesday March 14, 2018**

<p><b>Starting at 7:30 a.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Registration</b></p>
<p><b>7:30 a.m. - 7:50 a.m.</b> F. Scott Fitzgerald Pre-Function</p>	<p><b>Continental Breakfast</b></p>
<p><b>7:50 a.m. - 8:00 a.m.</b> F. Scott Fitzgerald Ballroom CDE</p>	<p><b>Day 3 Welcome and Announcements</b></p> <p><b>Bill Dunne</b>, <i>Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair</i></p>

**8:00 a.m. - 9:30 a.m.**

F. Scott Fitzgerald  
Ballroom CDE

### **Panel: NSF Assistant Directors – Emerging Trends and Programs**

This panel, composed of the Assistant Directors for the ENG, MPS, CISE, and BIO directorates of NSF, will highlight emerging directions and trends in technical focus, programs, and resources available at NSF, and will provide ample opportunity for attendees to ask questions relevant to their faculty and institutions.

**Moderator:**

**Jennifer Bernhard**, *Associate Dean for Research, University of Illinois at Urbana-Champaign*

**Speakers:**

**Anne Kinney**, *Assistant Director, Mathematical and Physical Sciences Directorate, NSF*

**James Kurose**, *Assistant Director, Computer and Information Science and Engineering Directorate, NSF*

**Dawn Tilbury**, *Assistant Director, Engineering Directorate, NSF*

**Joanne Tornow**, *Assistant Director (Acting), Biological Sciences Directorate, NSF*

**9:30 a.m. - 10:00 a.m.**

F. Scott Fitzgerald  
Pre-Function

### **Refreshment Break**

**10:00 a.m. - 11:50 a.m.**

F. Scott Fitzgerald  
Ballroom CDE

### **Panel: Federal Government Update**

This session provides a forum where individuals representing different stakeholders will provide their perspectives and projections on federal agency funding and opportunities.

**Moderators:**

**Eric Eddings**, *Associate Dean for Research, University of Utah*

**Brian Ten Eyck**, *Assistant Dean, Research Development, University of Arizona*

**Speakers:**

**Matt Hourihan**, *Director, R&D Budget and Policy Program, American Association for the Advancement of Science (AAAS)*

**Mark Marin**, *Chief of Staff, House Committee on Science, Space, and Technology*

**Kathie L. Olsen**, *Founder and Managing Director, ScienceWorks International*

**11:50 a.m. - 12:00 p.m.**

F. Scott Fitzgerald  
Ballroom CDE

### **Closing Remarks and Adjournment**

**Bill Dunne**, *Associate Dean for Research and Facilities, University of Tennessee, Knoxville, ERC Chair*

**Pam Norris**, *Executive Associate Dean for Research, University of Virginia*