WE AT ASEE EXPRESS OUR PROFOUND APPRECIATION TO OUR PREMIER CORPORATE PARTNERS. THROUGH THEIR GENEROUS SUPPORT WE ARE ABLE TO OFFER KNOWLEDGE SHARING AND COMMUNITY BUILDING OPPORTUNITIES TO OUR INDIVIDUAL AND ORGANIZATIONAL MEMBERS.
WELCOME TO THE 2019 ENGINEERING TECHNOLOGY LEADERS INSTITUTE (ETLI)!

As a champion for Engineering Technology (ET) education we hope that you will both contribute to and take from this event. The theme for this year’s meeting is ‘Taking the Next Steps’. You are encouraged to participate in discussions in and out of sessions. Building our network of ET leadership is essential to ensure a vibrant future for our students, programs, and industry.

In 2018 ETLI participants visited various government offices in the Washington region to discuss the value of ET education and explore opportunities for improvement. This was incredibly successful and is being done for the second time this year. Thursday begins with an overview of the process of working with legislators, followed by time on the ground meeting your representatives. This will potentially help us influence policy and expand the awareness of ET programs and graduates. The Friday evening dinner will be used to share experiences and summarize lessons learned from the visits. Even if you were not able to participate Thursday you will find this discussion very informative.

The three main sessions on Friday examine important elements of the education process. Session 3 on Friday afternoon looks at ways we can expand the pool of prospective students by looking outside the standard pathways. Session 2, also in the afternoon, looks at how our programs operate, what we teach, and much more. Session 1, on Friday morning, looks at the ties to industry that help strengthen the education process and launch students on productive professional careers. All three sessions are designed to share best practices, generate new ideas, and start discussions that will carry on to future meetings.

For many years the public image and marketing of ET programs has been a hot topic of discussion. At the 2018 ETLI meeting an initiative for an NSF supported marketing program began. It continues this year with the Friday lunch session when progress on a multi-institution program will be shared.

ETLI continues to be a vehicle for a national call to action, mobilizing our professional societies and accreditation agencies to work in a coordinated, strategic way in supporting our leaders. We encourage you and others, as leaders of ET, to be involved by participating in this meeting and volunteering to be part of the leadership team.

We hope you enjoy the Institute and have ample opportunity to network with your colleagues and leaders in the field.

Scott Dunning
ETC Chair, University of Maine

Hugh Jack
ETLI Chair, Western Carolina University
MARK YOUR CALENDARS FOR THE

2020 CoNECD CONFERENCE, ARLINGTON, VA. APRIL 19-22

FOR MORE INFORMATION VISIT: SITES.GOOGLE.COM/A/VT.EDU/ CONECD/HOME
# 2019 ETLI Program

## Thursday, October 10, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 AM – 5:00 PM</td>
<td><strong>Registration:</strong> Old Town Foyer</td>
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<tr>
<td>7:45 AM – 8:15 AM</td>
<td><strong>Breakfast:</strong> Old Town Central East</td>
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<tr>
<td>8:15 AM – 8:30 AM</td>
<td><strong>Welcome:</strong> Old Town Central East</td>
<td>Hugh Jack, ETLI Chair, Director, School of Engineering and Technology, Western Carolina University</td>
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| 8:30 AM – 9:30 AM | **Session 1:** Old Town Central East | **Legislative Updates and Discussions**
|                |                                     | This session features ASEE’s federal relations partners, Lewis-Burke Associates LLC, a Washington D.C.-based government relations firm with over 25 years of experience advocating for non-profit universities and research organizations. Two members of the firm will provide an overview of the current state of play in Washington, point out key federal issues that apply to engineering technology and workforce development, and offer tips for effective ET advocacy. |
|                |                                     | **Presenters:**
|                |                                     | Miriam Quintal, Lewis-Burke Associates LLC  
|                |                                     | Bill Ruch, Lewis-Burke Associates LLC |
|                |                                     | **Moderator:** Hugh Jack, ETLI Chair, Director, School of Engineering and Technology, Western Carolina University |
| 10:30 AM – 5:00 PM | **Session 2:** Capitol Hill Visit | **Visits to the Hill and Agencies to Discuss ET Issues (Pre-registration Required)**
|                |                                     | Attendees will make scheduled visits to congressional offices to meet with staff or members and also meet with federal agency officials to discuss pressing issues related to engineering technology education and workforce development. (Destinations may include the National Science Foundation and the Department of Labor.) |
| 6:00 PM – 8:00 PM | **Opening Dinner:** Old Town West  | **Speakers:**
|                |                                     | Scott Dunning, ETC Chair, Professor and Director, School of Engineering Technology, University of Maine  
|                |                                     | Norman Fortenberry, ASEE Executive Director |
|                |                                     | **Moderator:** Ken Burbank, Professor and Head, School of Engineering Technology, Purdue University Polytechnic Institute |

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2020 CONED Conference, Arlington, VA. April 19-22
Mark your calendars for the 2020 CONED Conference. For more information visit: sites.google.com/a/vt.edu/coned/home
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<tr>
<td>8:00 AM – 8:30 AM</td>
<td><strong>CONTINENTAL BREAKFAST:</strong> OLD TOWN CENTRAL EAST</td>
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<tr>
<td>8:30 AM – 9:30 AM</td>
<td><strong>ETLI OPENING PLENARY:</strong> OLD TOWN CENTRAL EAST</td>
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<tr>
<td></td>
<td><strong>WELCOME</strong></td>
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<td>Hugh Jack, ETLI Chair, Director, School of Engineering and Technology, Western Carolina University</td>
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<td><strong>INTRODUCTION OF SPEAKER:</strong></td>
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<td></td>
<td>Scott Dunning, ETC Chair and Professor and Director School of Engineering Technology, University of Maine</td>
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<td><strong>KEYNOTE SPEAKER:</strong></td>
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<td>Stephanie Adams, Dean of Engineering, the University of Texas at Dallas</td>
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<td>Richmond Nettey, President, the Association of Technology, Management, and Applied Engineering (ATMAE) Safety Division and Professor of Aeronautics, Kent State University</td>
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<td>9:30 AM – 10:00 AM</td>
<td><strong>REFRESHMENT BREAK:</strong> OLD TOWN FOYER</td>
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<tr>
<td>10:00 AM – 11:30 AM</td>
<td><strong>SESSION 1:</strong> OLD TOWN CENTRAL EAST</td>
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<td><strong>INCREASING THE CONNECTIONS BETWEEN ET PROGRAMS AND INDUSTRY</strong></td>
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<td>Engineering Technology graduates are educated to be the practical engineers in industry. Therefore, knowledge of current industry practices is critical for educators. Likewise, support from industry helps make educators more effective. This session will host a panel that presents best practices for increasing two-way communication and collaboration from both academic and industry perspectives.</td>
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<td><strong>SPEAKERS:</strong></td>
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<td>Frederick Berry, Co-Director of the Center for Technology Development at the Purdue Polytechnic Institute. The center, with 12 ET faculty members, focuses on working on projects for industry.</td>
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<td>Michael Watkins, Global Director of Supply Chain Quality, Development &amp; Processes for Regal Beloit Corporation.</td>
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<td>Jerad Pelotte, Manager of Electrical Engineering at TRC Solutions. TRC Companies, Inc. is a professional consulting firm.</td>
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<td>Aixi Zhou, Professor and Chair, North Carolina A&amp;T State University</td>
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**LUNCH: OLD TOWN WEST**  
( SPONSORED BY ABET)  

**DISCUSSION ON A NATIONAL MARKETING PLAN FOR ET PROGRAMS**
In this session, ET leaders will discuss a national marketing plan for ET programs. The Marketing Committee will lead a discussion on its accomplishments and the status of the proposal for NSF funding.

**SPEAKERS:**
- Alok Verma, Professor of Engineering Technology, Old Dominion University
- Adam Shapiro, CEO/President ASPR LLC

**MODERATORS:**
- John Irwin, Professor and Associate Chair of Manufacturing and Mechanical Engineering Technology, Michigan Technological University
- Hugh Jack, ETLI Chair, Director, School of Engineering and Technology, Western Carolina University

**SESSION 2: OLD TOWN CENTRAL EAST**

**WHAT IS THE FUTURE OF ET? ENGINEERING TECHNOLOGY 2029**
This session will examine issues related to the future of Engineering Technology (ET) programs in the U.S. at both 4- and 2-year institutions. A number of changes have taken place in the last 50 years in ET education, such as the reorganization or elimination of ET programs. We will look forward and examine the strengths, weaknesses, opportunities for, and threats to ET in the future. What can program leaders do to ensure ET will thrive? Panelists represent 2- and 4-year institutions in a variety of capacities: a president, deans, heads of departments, and other experts. This panel also reflects a number of different changes recently in Engineering Technology.

**SPEAKERS:**
- Ken Burbank, Professor and Head of Engineering Technology at Purdue University Polytechnic Institute. Purdue Polytechnic is the largest 4-year technology school in the country with over 50 different bachelor's and master's degree programs. Dr. Burbank will discuss what the Polytechnic is doing to attract students.
- Ron D. Dempsey, President, Oakland City University in Indiana, a small private university that offers undergraduate and graduate degrees. Dr. Dempsey’s August, 2018 Ph.D. dissertation is titled, “The Role of Engineering Technology as a Pathway for African Americans into the Field of Engineering.” Dr. Dempsey also looked at the future of ET in his dissertation and will discuss some of his findings.
- Adrienne Minerick, Professor and Dean of the College of Computing, and former Dean of the School of Technology, Michigan Technological University. Michigan Tech decided in the last two years to eliminate the School of Technology and place its ET programs in the Colleges of Engineering or Computing. For instance, mechanical engineering technology is now located in a new manufacturing and mechanical engineering technology department in the College of Engineering. Dr. Minerick will discuss the changes at Michigan Tech.
- Anthony M. Ponder, Dean, Science, Mathematics and Engineering, Sinclair Community College. Dr. Ponder will discuss ET 2-plus-2 programs and how Sinclair has been using internships and apprenticeships as a way to meet industry needs while also serving as a recruitment tool for ET programs.
- Edem G. Tetteh, Dean, Division of Science, Technology, Engineering, and Mathematics (STEM), Rowan College at Burlington County, N.J. Rowan University recently introduced new ET programs, such as the 3-plus-1 mechanical engineering technology program at one of RCBC’s campuses. Dr. Tetteh will discuss how engineering technology programs started at Rowan.

**MODERATORS:**
- Kim Gaines, Faculty, Electrical and Computer Engineering Technology, Augusta Technical College
- John Irwin, Professor, Michigan Technological University
- Pat Fox, Past Chair of ETC and Clinical Assistant Professor, Purdue School of Engineering and Technology, Indiana University-Purdue University Indianapolis (IUPUI)

**REFRESHMENT BREAK: OLD TOWN FOYER**
SESSION 3: OLD TOWN CENTRAL EAST

HOW TO MAKE RECRUITING FROM DIFFERENT PATHWAYS WORK FOR ET PROGRAMS

Engineering Technology departments recruit students from a number of different pathways, including engineering programs, underrepresented groups, women, non-technical groups, veterans and the military, and from two-year schools through articulations agreements. This session will look at how ET programs can utilize best practices in recruiting from various pathways.

SPEAKERS:
Clay Gloster, Interim Vice Provost for Research, Graduate Programs and Extended Learning at NCA&T and Chair of the Engineering Technology Division (ETD) of ASEE. His current research focuses on broadening participation of minorities in science, engineering, and engineering technology. He leads the Verizon Innovative Learning project at NCA&T which has impacted more than 1,100 minority middle school males.

Massoud Moussavi, Professor and Department chair, Electromechanical Engineering Technology Department, CalPoly-Pomona. He teaches a variety of electronics courses, specifically Data/Digital communication, Networking, and Photonics/Optical communication. He is a member of an American Council on Education team evaluating military courses.

MODERATORS:
Carol Lamb, ETC Chair-Elect, ETLI Co-chair, Youngstown State University
Glenn Wrate, Professor of Engineering Technology, Northern Michigan University

BANQUET DINNER: OLD TOWN WEST

Updates on the ET-PE Licensing Initiative. Discussion of the visit to Capitol Hill and agencies and take-aways from the ETLI Meeting. Determining next steps on the path to licensure, including legislative and policy related actions.

SPEAKERS:
Martin Gordon, Professor, Department of Manufacturing and Mechanical Engineering Technology, Rochester Institute of Technology
Rob Weissbach, Chair and Associate Professor, Indiana University Purdue University

MODERATOR:
Rob Weissbach, Chair and Associate Professor, Department of Engineering Technology, IUPUI.

SATURDAY, OCTOBER 12, 2019

ETC EXECUTIVE BOARD AND ETLI 2020 PLANNING COMMITTEE MEETING (BREAKFAST MEETING): ROSEMONT

For all ETC Executive Board Members, Engineering Technology National Forum members, ETLI Chair, ETLI Past Chair, ETLI planning committee, and anyone else who would like to attend, please join us.

Hotel located right outside Washington, D.C. with complimentary shuttle service to and from Reagan National Airport.

ETLI webpage – https://www.asee.org/conferences-and-events/conferences/etli/2019

If you have questions about ETLI 2019, please contact Hugh Jack at hughjack@wcu.edu
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