



Engineering Technology Leaders Institute (ETLI) 2017

“Looking Towards the Future: The Next 50 Years”

October 5 – 6, 2017

**Hyatt Regency Crystal City*
2799 Jefferson Davis Hwy
Arlington, VA 22202**

Program

THURSDAY, OCTOBER 5, 2017

REGISTRATION

Washington A Foyer

Starting at 3:30 pm

SESSION 1

Conference Theater Room

4:00 pm – 5:30 pm

ABET ACCREDITATION PROCESS IMPROVEMENTS – AN ABET ACADEMIC ADVISORY COUNCIL PARTICIPATION AND LISTENING SESSION

Are you aware that ABET has an Academic Advisory Council (AAC)? Did you know the AAC represents all four ABET commissions? Provosts, deans, and chairs from a variety of institutions across the U.S. populate the AAC. It is one of three councils that provide recommendations to the ABET Board of Directors on issues of importance, particularly to the academic community. This session will provide you an opportunity to learn more about the AAC's work, and allow you to provide meaningful input on how ABET can improve its processes – from preparation of materials to the campus visit. We invite you to learn more about the AAC, review its current initiatives, and provide your feedback on how ABET can improve.

SPEAKER:

Jeff Ray, *Dean and Professor, College of Engineering and Technology, Western Carolina University*

MODERATOR:

Robert Weissbach, *Associate Professor and Chair, Engineering Technology, Purdue School of Engineering and Technology, Indianapolis, IUPUI*

OPENING DINNER

Potomac I & II

6:00 pm – 8:00 pm

Engineering Technology Council Information & Strategy Dinner for all registered ETLI attendees.

Please join us for dinner and conversation with **Norman Fortenberry, ASEE Executive Director, and Major General (Ret.) Jocelyn Seng. Dr. Fortenberry** will have an update from ASEE Headquarters and we will discuss issues and strategies for active participation in ETC.

GUEST SPEAKER:

Major General (Ret.) Jocelyn Seng

Maj. Gen. (Ret.) Jocelyn M. Seng served as the mobilization assistant to the Commander and President, Air University, Maxwell Air Force Base, Ala. She assisted in providing full spectrum education, research, and outreach at every level through professional military education, professional continuing education, and academic degree granting. She assisted in leading the intellectual and leadership center of the U.S. Air Force. General Seng entered the Air Force in 1984 as a graduate of the Massachusetts Institute of Technology ROTC program. Her technical area of expertise is composite materials design, analysis and manufacturing, and she is a certified Six Sigma Black Belt. Prior to assuming her position at Maxwell Air Force Base, she was the mobilization assistant to the Military Deputy, Office of the Assistant Secretary of the Air Force for Acquisition, the Pentagon, Washington, D.C. As a civilian, she is a Research Staff Member at the Institute for Defense Analyses, working in the areas of cyberspace, missile defense, science and engineering workforce management, and assessment of militarily critical technologies.

MODERATORS:

Enrique Barbieri, *Professor and Chair, Department of Engineering Technology, University of North Texas*

Martin E. Gordon, *Professor and Undergraduate Program Director, Department of Manufacturing and Mechanical Engineering Technology, Rochester Institute of Technology*

FRIDAY, OCTOBER 6, 2017

REGISTRATION

Washington A Foyer

Starting at 7:30 am

CONTINENTAL BREAKFAST

Washington A Foyer

7:30 am – 8:30 am

ETLI OPENING PLENARY

Washington Room

8:30 am – 10:00 am

WELCOME

Elaine Cooney, *Chair of Engineering Technology Leaders Institute (ETLI) and Professor of Electrical Engineering Technology, Purdue School of Engineering and Technology, Indianapolis, IUPUI*

INTRODUCTION OF SPEAKER:

Carol Lamb, *Director School of Engineering Technology, Youngstown State University*

GUEST SPEAKER:

U.S. Rep. Timothy Ryan (D-Ohio)

Timothy John Ryan is the U.S. Representative for Ohio's 13th congressional district, serving since 2003. Congressman Ryan is in his 8th term, serving on the House Appropriations Committee and as co-chair of the Congressional Manufacturing Caucus. He remains a leader in strengthening America's manufacturing base and reforming U.S. trade policies. The House Manufacturing Caucus examines and promotes policies to help America manufacturers find trained, educated workers, continue to lead the world in developing new industrial technologies, operate on a level field with their foreign competitors, and obtain the capital they need to thrive. He has a law degree from the University of New Hampshire School of Law. He is the author of a number of books including, [A Mindful Nation: How a Simple Practice Can Help Us Reduce Stress, Improve Performance, and Recapture the American Spirit.](#)

MODERATORS:

Carol Lamb, *Director, School of Engineering Technology, Youngstown State University*

James Otter, *Director, School of Construction, Pittsburg State University*

REFRESHMENT BREAK

Washington A Foyer

10:00 am – 10:30 am

KEYNOTE SPEAKER

Washington Room

10:30 am – 12:00 pm

INTRODUCTION:

Pat Fox, *Engineering Technology Council Chair, Clinical Assistant Professor of Organizational Leadership and Supervision, Purdue School of Engineering and Technology, Indianapolis, IUPUI*

KEYNOTE SPEAKER:

Bevlee Watford, ASEE President, *Associate Dean, Academic Affairs and Director, Center for Enhancement of Engineering Diversity, Virginia Tech*

MODERATORS:

Gary Steffen, *Associate Professor and Chair, Department of Computer, Electrical, and Information Technology, Purdue University, Fort Wayne*

Martin E. Gordon, *Professor and Undergraduate Program Director, Department of Manufacturing and Mechanical Engineering Technology, Rochester Institute of Technology*

LUNCH*Potomac I & II***12:00 pm – 1:30 pm****ABET–ETAC CRITERIA 3 AND 5 PROPOSED CHANGES**

ETAC is proposing changes in General Criteria 3 & 5 and in Program Criteria. These changes are designed to reduce the assessment burden for engineering technology programs, better align the criteria with the Sydney and Dublin Accords, and eliminate the confusion over assessment of Program Criteria. Proposed changes will be presented and discussed.

SPEAKER:

Tom Hall, *Professor Emeritus, Northwestern State University and Vice Chair, Operations, Engineering Technology Accreditation Commission*

MODERATOR:

Reza Langari, *Professor, JR Thompson Chair and Department Head, Engineering Technology and Industrial Distribution Department, Texas A&M University*

SESSION 2*Washington Room***1:30 pm – 3:00 pm****ENGINEERING TECHNOLOGY NATIONAL ISSUES – WHAT’S NEXT?**

A well-attended workshop at the 2017 ASEE Annual Conference examined a range of possible initiatives to be undertaken by the ET National Forum. These initiatives are based on recommendations in the recent National Academy of Engineering study of the status of ET education and on two published position statements promulgated by the ASEE ETC. As a result of that workshop, three issues were identified by the attendees as worthy of action:

- An in-depth investigation of the factors that make ET education more attractive to diverse and under-represented populations, and how those factors could be enhanced and expanded.
- An investigation and identification of the best resources and funding sources available to support ET education.
- Development of potential strategies that could be pursued to create opportunities to seek professional engineering registration by BS-ET graduates in all 50 states.

At the workshop, team leaders and volunteer team participants were identified to pursue each of the above initiatives. Those teams have developed preliminary action plans over the summer and have carried out initial steps in the plans.

This session will start with a brief review of those action plans and any initial actions that have been taken by members of each team. The remainder of the session is planned as an interactive exchange among the attendees and the team representatives to refine and finalize the action plans and recruit additional volunteers to join the teams so that actions can proceed on pace with the intent of significant progress by February 2018 to report at CIEC.

MODERATORS:

Ron Land, *Professor Emeritus, College of Engineering, Penn State University and Chair of ETNF*
Vassilios Tzouanas, *Associate Professor and Assistant Chair, College of Science and Technology, University of Houston-Downtown*

REFRESHMENT BREAK*Washington A Foyer***3:00 pm – 3:30 pm**

<p>SESSION 3 <i>Washington Room</i></p> <p>PUBLIC POLICY FOR ENGINEERING TECHNOLOGY LEADERS The impetus to hold ETLI in Washington, DC was to allow participants to interact with and educate government leaders on engineering technology-specific issues. In this session we will discuss how to effectively approach the following topics:</p> <ul style="list-style-type: none"> • Choosing an appropriate policy position that is most likely to result in a “win.” • Crafting the appropriate message. • Coalition building. • When and how to best engage elected officials and their staffers. <p>SPEAKERS: Lindsey Gardner, <i>Director of External Relations, STEM Education Coalition</i> Miriam Quintal, <i>Senior Consultant, Lewis-Burke Associates</i> Said Jahanmir, <i>Senior Legislative Fellow, Office of Congressman Tim Ryan, OH-13</i></p> <p>MODERATORS: Alok Verma, <i>Professor, Engineering Technology Department, Old Dominion University</i> Scott Dunning, <i>Professor and Director, School of Engineering Technology, University of Maine</i></p>	<p>3:30 pm – 5:00 pm</p>
<p>BANQUET Sponsored by ABET <i>Potomac I & II</i></p> <p>SUMMARY OF THE INSTITUTE’S SESSIONS AND TAKEAWAYS FOR FUTURE MEETINGS</p> <p>MODERATORS: Ron Land, <i>Professor Emeritus, College of Engineering, Penn State University and Chair of ETNF</i> Gary Steffen, <i>Associate Professor and Chair, Department of Computer, Electrical, and Information Technology, Purdue University, Fort Wayne</i></p>	<p>5:45 pm – 7:45 pm</p>
<p>SATURDAY, OCTOBER 7, 2017</p>	
<p>ETC EXECUTIVE BOARD and ETLI 2018 PLANNING COMMITTEE MEETING <i>(Breakfast Meeting)</i> <i>Potomac IV</i></p> <p>For all ETC Executive Board Members, ETNF members, ETLI Chair, ETLI Past Chair, ETLI planning committee, and anyone else who would like to attend, please join us.</p>	<p>8:00 am – 9:30 am</p>

* 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/2017>

If you have questions about ETLI 2017, please contact ASEE Conferences Department at conferences@asee.org or 202-350-5720.