



2016

ENGINEERING TECHNOLOGY LEADERS INSTITUTE

ARLINGTON, VA + SEPTEMBER 22-23, 2016



THE WESTIN CRYSTAL CITY HOTEL
1800 JEFFERSON DAVIS HWY
ARLINGTON, VIRGINIA 22202

WELCOME TO THE 2016 ENGINEERING TECHNOLOGY LEADERS INSTITUTE

On behalf of the ASEE Engineering Technology Council, we welcome you to the 41st Engineering Technology Leaders Institute (ETLI). We are excited to be in Washington, D.C. for the fourth consecutive year convening ET Leaders in dialog. This year's ETLI theme is "Engineering Technology: Connecting, Building & Maintaining Relationships." We are looking forward to your contributions and input in a variety of important issues and topics; therefore, we structured the sessions to produce the maximum input from everyone present.

The ETLI planning committee chose three different, but very interesting and important topics to explore today. In the first session, we will examine and discuss the viewpoint of the professional societies on ET education. Some questions to be discussed are: Is a BS degree in engineering technology accepted by the engineering societies as an educational path to the engineering profession? How do engineering professional societies perceive ET graduates in the workplace and how do they serve these members? In the second session, we will hear about a successful program that can lead to innovative and entrepreneurial mindsets in ET students as well as successful careers in engineering. The speakers will discuss the lessons learned from I-Corps and I-Corps-L programs. We look forward to your thoughts and discussion in this session. The third session will look at ABET-TAC Criterion 3 and Program Criteria with a panel of ABET representatives. A number of important questions and issues will be discussed. This session should be very informative with a number of proposed changes being discussed for EAC and possible implications for changes in the future for TAC. In addition to the major three sessions, we will have a presentation on National Science Foundation (NSF) programs and a keynote address by the President of ASEE, all of which should be of special interest to ET leaders.

Engineering Technology Leaders Institute 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. Thank you for attending to the 41st ETLI.



Pat Fox
ETC Chair, IUPUI



Elaine Cooney
Chair, ETLI and IUPUI

2016 ETLI PROGRAM

THURSDAY, SEPTEMBER 22, 2016	
OPENING DINNER <i>Crystal VI</i> Engineering Technology Council Information & Strategy Dinner for all registered ETLI attendees. Please join us for dinner, wine and conversation. We will have an ASEE Headquarters' update from ASEE Executive Director, Norman Fortenberry , and discuss strategies for active participation in ETC issues and assistance from leaders for moving ETC activities forward.	6:00 pm — 8:00 pm
MODERATORS: James Frendewey , Dean of the School of Technology, Michigan Technological University Pat Fox , Chair of the Engineering Technology Council (ETC), Clinical Assistant Professor, Purdue School of Engineering and Technology, IUPUI	
FRIDAY, SEPTEMBER 23, 2016	
REGISTRATION <i>Ballroom Foyer B</i>	8:00 am — 5:00 pm
CONTINENTAL BREAKFAST <i>Ballroom Foyer B</i>	8:00 am — 9:00 am
ETLI OPENING PLENARY <i>Ballroom B & C</i>	9:00 am — 10:00 am
WELCOME: Elaine Cooney , Chair of the Engineering Technology Leaders Institute (ETLI) and Professor of Electrical Engineering Technology, Purdue School of Engineering and Technology, IUPUI	
OPENING REMARKS: Pat Fox , Chair of the Engineering Technology Council (ETC), Clinical Assistant Professor, Purdue School of Engineering and Technology, IUPUI	
INTRODUCTION OF KEYNOTE SPEAKER: Ken Burbank , Past Chair of the Engineering Technology Council (ETC), Head of Engineering Technology Department, Purdue Polytechnic Institute, West Lafayette, IN	
Keynote Speaker: Louis A. Martin-Vega , Dean of the College of Engineering, North Carolina State University, Raleigh, NC and President of ASEE	
REFRESHMENT BREAK <i>Ballroom Foyer B</i>	10:00 am — 10:30 am

Session 1 <i>Ballroom B & C</i> VIEWPOINT OF PROFESSIONAL SOCIETIES ON ENGINEERING TECHNOLOGY EDUCATION This session looks at ET graduates from the professional society viewpoint. Panel members are representatives of some of the major engineering discipline societies, and will be answering three main questions: Is a BS degree in engineering technology accepted by the engineering societies as an educational path to the engineering profession? How do engineering professional societies perceive ET graduates in the workplace and how do they serve these members? What would be required for the professional societies and the national licensing bodies to work with the ET community to define an accreditation path to the engineering profession that includes BSET graduates?	10:30 am — 12:00 pm
PANEL MEMBERS: Dennis Randolph , Director of Public Works for City of Grandview, Missouri, ASCE Tom Perry , Director of Engineering Education, ASME Suzy Marzano , Product Development Manager SME Burt Dicht , Director, University Programs IEEE	
MODERATORS: Ron Land , Associate Professor, College of Engineering, System-wide Coordinator, Electro-Mechanical Engineering Technology, Penn State University Ken Burbank , Past Chair of Engineering Technology Council (ETC), Chair of Engineering Technology Department, Purdue Polytechnic Institute, West Lafayette, IN	
LUNCH <i>Crystal V & VI</i> NSF PROGRAMS OF INTEREST TO COMMUNITY AND TECHNICAL COLLEGES	12:00 pm - 1:30 pm
SPEAKER: Ece Yaprak , Ph.D., Program Director, EHR/DUE, National Science Foundation	
MODERATOR: Reza Langari , Professor, JR Thompson Chair and Department Head, Engineering Technology and Industrial Distribution Department, Texas A & M University	

SESSION 2 <i>Ballroom B & C</i> FOSTERING THE INNOVATIVE AND ENTREPRENEURIAL MINDSET IN ENGINEERING TECHNOLOGY EDUCATION: LESSONS LEARNED FROM I-CORPS AND I-CORPS-L PROGRAMS IN BRIDGING THE GAP BETWEEN INDUSTRY AND ACADEMIA The Innovative and Entrepreneurial Mindset is becoming increasingly important for successful engineering careers. Critical to developing this mindset are opportunities for students to connect with industry to understand real world problems and solutions of employers and customers. The speakers will discuss lessons learned bridging this gap over the last 20 years for investors, academic startup supporters, and NSF I-Corps and I-Corps-L program managers. PANEL MEMBERS: <i>Lydia McClure</i> , Program Director for NSF's Innovation Corps (I-Corps), Division of Industrial Innovation & Partnerships (IIP), Directorate for Engineering (ENG), National Science Foundation (NSF) <i>Dean Chang</i> , Associate Vice President for Innovation & Entrepreneurship, University of Maryland <i>Rocio C. Chavela Guerra</i> , Director, Education and Career Development, American Society for Engineering Education MODERATORS: <i>Ashok Agrawal</i> , Managing Director, American Society for Engineering Education <i>Carol Lamb</i> , Director, School of Engineering Technology, Youngstown State University	1:30 pm - 3:00 pm
REFRESHMENT BREAK <i>Ballroom Foyer B</i>	3:00 pm - 3:30 pm
SESSION 3 <i>Ballroom B & C</i> ABET-ETAC CRITERION 3 AND PROGRAM CRITERIA: HOW CAN WE IMPROVE? Possible changes are being discussed in ABET for EAC. What does that mean for ETAC? This panel session explores the proposed revisions to EAC Criteria 3 and 5. Should we propose changes to ETAC criteria 3, and how we can improve? Discussion of other issues will include but not be limited to: applied engineering, International ET accreditation, and other ABET activities. PANEL MEMBERS: <i>Joe Sussman</i> , Chief Accreditation Officer, Chief Information Officer, ABET <i>Wilson Gautreaux</i> , Coordinator, Environmental Technology, Trident Technical College MODERATORS: <i>Enrique Barbieri</i> , Professor and Chair, Department of Engineering Technology, University of North Texas <i>Carol Richardson</i> , Professor Emerita, College of Applied Science and Technology, Rochester Institute of Technology, Rochester, NY	3:30 pm - 5:00 pm

BANQUET <i>Crystal V & VI</i> SUMMARY OF THE DAY'S SESSIONS AND TAKEAWAYS FOR FUTURE MEETINGS MODERATOR: <i>Ron Land</i> , Professor Emeritus, College of Engineering, Penn State University and Chair of ETNF	5:45 pm - 8:00 pm
SATURDAY, SEPTEMBER 24, 2016	
ETC EXECUTIVE BOARD AND ETLI 2017 PLANNING COMMITTEE MEETING (Breakfast Meeting) <i>Crystal VI</i> 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.	8:00 am - 9:30 am

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