



***“Engineering Technology: Connecting, Building  
& Maintaining Relationships”***



## ***ETLI Opening Plenary - 9:00 am-10:00 am***

**Welcome: *Professor Elaine Cooney***, Chair of Engineering  
Technology Leaders Institute (ETLI)

**Opening Remarks: *Professor Pat Fox***, Chair of Engineering  
Technology Council (ETC)



## ***ETLI Opening Plenary***

**Introduction of Speaker: *Dr. Ken Burbank*, Past Chair of Engineering Technology Council (ETC)**

**Keynote Speaker: *Dr. Louis A. Martin-Vega*,  
Dean of the College of Engineering, North Carolina State University, Raleigh, NC and President of ASEE**

ETLI 2016 – Keynote address

**Louis Martin-Vega, Ph.D.**  
***2016-17 ASEE President***

***Dean of the College of Engineering, – North Carolina State University***





## Viewpoint of Professional Societies on Engineering Technology Education

### Panelists:

***Burt Dicht***, Director, University Programs IEEE

***Suzy Marzano***, Product Development Manager SME

***Tom Perry***, Director of Engineering Education, ASME

***Dennis Randolph***, Director of Public Works for City of Grandview Missouri, ASCE

### Moderators:

***Ron Land***, Professor Emeritus, College of Engineering, Penn State University

***Ken Burbank***, Past Chair of Engineering Technology Council (ETC), Head of Engineering Technology Department, Purdue Polytechnic Institute, West Lafayette, IN

- Panel #1 – Introductory Questions:

- ***We will open the session by asking each panelist to spend 5 – 10 minutes responding to any or all of the following questions as they choose.***
1. What is your society's perspective, in general, on the capability of BS-ET graduates to succeed in engineering positions?
  2. Has your society ever polled its membership to determine their hiring practices and experiences w.r.t. ET graduates in engineering roles?
  3. What other data does your society have that can demonstrate performance of ET graduates in the engineering workplace?
  4. Current standards of the U.S. Office of Personnel Management prohibit BS-ET graduates from being considered for an entry-level engineering position without having additional credentials beyond their degree (GS-0800). What is your society's perspective on whether BS-ET graduates are qualified for entry level engineering positions? If so, are there ways the society could support efforts with US-OPM to update the existing standard?
  5. Discussions are currently underway with ABET to consider approving the use of the term 'applied engineering' rather than 'engineering technologist' to describe BS-ET programs. What is your society's perspective on this change?
  6. Many states prohibit BS-ET students becoming registered professional engineers. What is your society's perspective on PE registration for these graduates, and if in favor of it, are there ways the society could support efforts with the NSPE and state agencies to alleviate those restrictions?
  7. What programs does your society have that promotes or encourages membership in your society by ET graduates or that promotes hiring of ET graduates by your members?



## **NSF PROGRAMS OF INTEREST TO COMMUNITY AND TECHNICAL COLLEGES**

### **Speaker:**

***Ece Yaprak, Ph.D., Program Director, EHR/DUE, NATIONAL SCIENCE FOUNDATION***

### **Moderator:**

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





**Fostering The Innovative and Entrepreneurial Mindset In Engineering Technology Education:  
Lessons Learned from I-corps and I-corps-I Programs in Bridging The Gap Between Industry and  
Academia**

**Panelists:**

***Dr. Lydia McClure***, Program Director for NSF's Innovation Corps (I-Corps), National Science Foundation (NSF)

***Dr. Dean Chang***, Associate Vice President for Innovation & Entrepreneurship, University of Maryland

***Dr. Rocio C. Chavela Guerra***, Director, Education and Career Development, ASEE

**Moderators:**

***Dr. Ashok Agrawal***, Managing Director, American Society for Engineering Education

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





## **ABET-- ETAC Criterion 3 and Program Criteria: How Can We Improve?**

### **Panalists:**

**Joe Sussman**, Chief Accreditation Officer, Chief Information Officer, ABET

**Wilson Gautreaux**, Coordinator Environmental Technology, Trident Technical College

**Walter Buchanan**, Professor, Texas A&M, ABET Board of Delegates

### **Moderators:**

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

**Carol Richardson**, Professor Emerita, College of Applied Science and Technology, Rochester Institute of Technology, Rochester, NY



- 1. What is the status of the changing the format of the program criteria?**
- 2. What is the timeline for the adoption of the Criterion 3 and 5 changes from the EAC commission and the other commissions. ( The panel may answer this question during the presentation. )**
- 3. Why is ABET resisting accrediting programs with the title of applied engineering in any of the three commissions?**
- 4. How does ABET balance serving the engineering profession, academia, and the public?**
- 5. Is ABET considering moving BSET programs from the ETAC commission to the EAC commission?**