



2013

ENGINEERING TECHNOLOGY LEADERSHIP INSTITUTE

ARLINGTON, VA + OCTOBER 4, 2013



SHERATON CRYSTAL CITY HOTEL
1800 JEFFERSON DAVIS HWY
ARLINGTON, VIRGINIA 22202

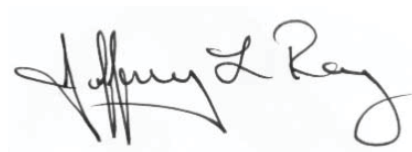
WELCOME TO THE 2013 ENGINEERING TECHNOLOGY LEADERSHIP INSTITUTE

On behalf of the ASEE Engineering Technology Council, we welcome you to the 38th Engineering Technology Leadership Institute (ETLI). The ETLI has been held in 19 states from coast to coast and from the Canadian to the Mexican borders. This year, we chose our nation's capital because it is here where perspectives and roles for engineering technology are changing. It is here where President Obama challenged U.S. educators to meet the White House goal to produce 10,000 more engineers a year. And it is here where we can work to prevent job classifications from unduly limiting federal employment opportunities for our B.S. Engineering Technology graduates.

To address this changing landscape, we have convened thought leaders from academia, government, NGOs and industry to explore this year's overarching ETLI theme: The Impact of the B.S. Engineering Technology Graduate on the U.S. Workforce. ASEE's 2013-2014 President Ken Galloway will open the Institute with a keynote address, drawing on the multifaceted perspectives of ASEE members and his own insights from a distinguished career.

Through the course of the day, three pressing issues will be probed, each in a panel format. The first panel will look from a global perspective at how approaches to attracting, retaining, and educating engineers vary regionally, nationally, and internationally. The next panel focuses on education to produce job-ready graduates. Speakers will discuss broadly the increasing interaction and synergy between universities and industry and the benefits and disadvantages of industry involvement. The program will culminate with a National Call to Action, mobilizing our professional societies and accreditation agencies to work in a coordinated, strategic way in supporting our graduates.

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



Jeffrey L. Ray, Ph.D.
Chair, ETC and Southern
Polytechnic State University



Pat Fox
Chair, ETLI and IUPUI

2013 ETLI PROGRAM

FRIDAY, OCTOBER 4, 2013

Registration <i>Ballroom Foyer</i>	8:00 am — 3:00 pm
Continental Breakfast <i>Ballroom Foyer</i>	8:00 am — 9:00 am
ETLI Opening Plenary <i>Ballroom BC</i>	9:00 am — 10:00 am
<p>Welcome and Opening Remarks: Pat Fox Chair, ETLI IUPUI</p> <p>Introduction: Jeffrey L. Ray, Ph.D. Chair, ETC Southern Polytechnic State University</p> <p>Keynote: Kenneth F. Galloway, Ph.D. 2013-14 ASEE President and Distinguished Professor, Vanderbilt University</p>	
Refreshment Break <i>Ballroom Foyer</i>	10:00 am — 10:30 am
Panel 1 - Global Perspective on the Education of Engineers <i>Ballroom BC</i>	10:30 am — 12:00 pm
<p>This panel will explore how approaches to attracting, retaining, and educating engineers vary regionally, nationally, and internationally, across the spectrum of engineering careers, and technical talents needed for specific careers.</p> <p>Moderator: Ron Land, Ph.D. Pennsylvania State University</p> <p>Speakers: Mike Murphy, Ph.D., C. Eng. Director and Dean, College of Engineering & Built Environment, Dublin Institute of Technology</p>	

(CONT'D) Bruce Ware, P.E. Chief of Engineering Management U.S. Army Corps of Engineers	(CONT'D) 10:30 am — 12:00 pm
Gary R. Bertoline, Ph.D. Dean, College of Technology and Distinguished Professor, Purdue University	
Lunch <i>Ballroom A</i>	12:00 pm — 1:30 pm
Panel 2 - Should Industry Co-Own the Education of Engineers? <i>Ballroom BC</i>	1:30 pm — 3:00 pm
<p>This panel will discuss what “job-ready” means to industry, and offer insight into industry perspectives on the critical attributes of a new engineer. Key to the discussion will be what industry can and is willing to do to help generate these new engineers through collaboration with academia in defining the curriculum and enhancing opportunities for industry – student interaction. Finally, the panel will broach the subject of innovative collaborations between industry and universities to inform citizens and produce job-ready technologists.</p> <p>Moderator: Ken Burbank, Ph.D. Purdue University College of Technology</p> <p>Speakers: David Russomanno, Ph.D. Dean, School of Engineering & Technology, IUPUI</p> <p>Norman L. Fortenberry, Sc.D. Executive Director, ASEE</p> <p>Greg Pearson Senior Program Officer, NAE</p> <p>Mark D. Vaughn, Ph.D. Manager, Technical Talent Pipelining, Technology Community Office of STEM Corning Incorporated</p>	

Refreshment Break <i>Ballroom Foyer</i>	3:00 pm — 3:30 pm
Panel 3 - National Call to Action <i>Ballroom BC</i>	3:30 pm — 5:00 pm
<p>This panel session will discuss the role professional societies and accreditation agencies play in a graduate's current and future employability; how engineering technology education is matched to industry needs to meet the demands of modern manufacturing; and the government's strategy for enhancing and expanding the supply of engineering talent.</p> <p>Moderator: Jeffrey L. Ray Ph.D. Southern Polytechnic State University</p> <p>Speakers: Michael Milligan, Ph.D., P.E. Executive Director, ABET</p> <p>Mark C. Tomlinson, CMfgE, EMCP Executive Director/CEO, SME</p> <p>Thomas Perry, P.E. Director, Education, ASME</p> <p>Burt Dicht Director, University Relations, IEEE</p>	
Banquet <i>Ballroom A</i>	6:00 pm — 8:00 pm

SATURDAY, OCTOBER 5, 2013	
ETC Executive Board and ETLI Executive Committee Joint Meeting <i>Crystal VI</i>	8:00 am — 11:00 am

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ASEE gratefully acknowledges Jeff Ray, without whose contributions this program would not be possible.