March 29 - April 1, 2016
Intercontinental San Francisco
San Francisco, CA
The NCEES Engineering Award nationally recognizes engineering programs that promote collaboration between students and professional engineers.

NCEES invites EAC/ABET-accredited programs from all engineering disciplines to submit projects that integrate professional practice and education to compete for

**GRAND PRIZE:** $25,000

**FIVE AWARDS:** $7,500 each

For competition details, visit ncees.org/award.

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**2016 Competition schedule**

- March 14–Projects must be in progress or completed
- May 2–Entry deadline
- June 13–Winners announced
The Swanson School Congratulates ASEE on its Commitment to Diversity and Inclusion
Sepsis kills more people in the U.S. every year than AIDS, prostate cancer, and breast cancer combined. Bioengineers at Oregon State University are pioneering microchannel technology to treat this deadly and intractable problem.

engineering.oregonstate.edu
Welcome Letter from Dean Gregory Washington

Welcome to the 2016 Engineering Deans Institute. Our theme this year is Continuous Innovation and there is not a more apt location than San Francisco, the dynamic cultural, commercial and financial center of Northern California.

Innovation in engineering is demonstrated as a novel idea, a more effective device or an improved process. It is the application of better solutions to meet new requirements, existing needs, or market trends. One of the basic tenets of innovation is change, and the sheer volume of it is challenging for even the most astute leader. This year’s conference covers topics and panel discussions that showcase innovation and delve into the trials and successes.

We have an exciting week planned. Highlights include the opening reception keynote by Qualcomm Chairman Paul Jacobs and Wednesday morning’s keynote with Brocade CEO Lloyd Carney. Also on Wednesday, University of California President Janet Napolitano will moderate a panel of Industry Titans, who will discuss the type of education engineers need to solve the grand-challenge problems affecting their industries. And don’t miss the popular Cool Ideas – Lightning Round session in which deans can share current success stories. Thursday features a session on Innovation in Diversity and Inclusivity, and Friday we will hit the road to tour companies in Silicon Valley.

As always, this gathering provides the opportunity to engage in a dialogue with leaders from industry, government and non-governmental organizations. We can share best practices, learn about career prospects for graduates and develop a stronger voice for engineering education. There is also plenty of time to network and enjoy the beautiful City by the Bay.

Most importantly, all of the deans of the country’s 300-plus engineering programs can attest that these vital exchanges of ideas and thought-provoking discussions will help us to prepare the next generation of engineers.

EDI is made possible by you, the deans, members on the planning committee, speakers, session chairs, and our colleagues at ASEE. Thank you to all for making this year’s conference one to remember.

Warmest Regards,

Gregory Washington
Professor and Stacey Nicholas Dean of Engineering
University of California, Irvine
Executive Board and Ex-Officio Member Listing

2015-2016 Executive Board

Gerald D. Holder, Chair
Dean of Engineering
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Gregory N. Washington, Vice-Chair
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ASEE EDC Liaison

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University of Toledo

Emily L. Allen, Director 2015-2017
Dean of Engineering
California State University, Los Angeles

Richard C. Benson, Director 2015-2017
Dean of Engineering
Virginia Tech

Ian M. Robertson, Director 2015-2017
Dean of Engineering
University of Wisconsin, Madison

Ex-Officio Members

Louis A. Martin-Vega, Past EDC Chair
Dean of Engineering
North Carolina State University

Joseph J. Rencis, ASEE President
Dean of Engineering
Tennessee Technological University

Norman Fortenberry
Executive Director
ASEE
ASU alumni (left to right) Sivakumar Palaniswamy, Deepak Krishnaraju, Vivek Kopparthi and Chase Garrett, have a simple mission: to eradicate casualties from jaundice and increase accessibility of treatment for the disease. To accomplish this, they co-founded Neolight, a medical device startup that develops better, more efficient phototherapy without side effects. In less than two years, the young entrepreneurs have taken the germ of an idea to an Edson Student Entrepreneur Initiative endeavor to a startup that recently attracted a $600,000 investment.
We invite you to encourage your students to be the visionaries they strive to be. Together, they can help us expand the boundaries of what’s possible in areas of Autonomous Systems, Cyber, C4ISR, Logistics and Strike.

It’s our job to help keep the world safe and secure, every day. To continue our mission, we look for like-minded, creative individuals who want to make an impact, who thrive on global challenges, and who hold and share the same values as we do.

Let’s do the work that matters – together.

careers.northropgrumman.com
2016 EDI Planning Committee

Reza Abbaschian
University of California, Riverside

Emily L. Allen
California State University, Los Angeles

Robert Bishop
University of South Florida

Keith Bowman
San Francisco State University

Jeffrey B. Goldberg
University of Arizona

Gerald Holder
University of Pittsburgh

Andrew Hsu
San José State University

Debra Larson
California Polytechnic State University

Per Peterson
University of California, Berkeley

Gregory Washington
University of California, Irvine

Yannis Yortsos
University of Southern California

José L. Zayas-Castro
University of South Florida

Taylor Garrett
Events Coordinator
University of California, Irvine

2016 EDI Program Committee

Gregory Washington, 2016 EDI Chair
University of California, Irvine

Emily Allen, 2016 EDI Co-Chair
California State University, Los Angeles

Debra Larson, 2016 EDI Co-Chair
California Polytechnic State University

Yannis Yortsos, 2016 EDI Co-Chair
University of Southern California

ASEE Staff

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Meetings Manager

Wayne Davis
Meetings Manager

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Managing Director, Member Services

Stephanie Harrington
Director, Membership Marketing

Nathan Kahl
Director, Communications
ASEE EDC Liaison

Ashley Krawiec
Manager, Event Sales

Olha Samoilenko
Council Affairs Coordinator

Brian Yoder
Director, Assessment, Evaluation, and Institutional Research
2016 EDI Program

Tuesday, March 29, 2016

10:00 a.m. – 1:00 p.m.  EDI Registration
Grand Ballroom Foyer

10:15 a.m. – 12:15 p.m.  EDC Executive Board Meeting (Invitation Only)
Union Square

12:00 p.m. – 1:00 p.m.  Data Collection Committee Meeting (Invitation Only)
Marina

1:00 p.m. – 2:30 p.m.  New Deans Forum
Grand Ballroom

The New Dean's Forum is for deans who are new to their positions - and also deans who are new to ASEE. This interactive session will provide an opportunity for networking and making connections with others experiencing similar challenges and opportunities. Group discussions will be guided by veteran deans, who will facilitate conversations on key areas such as: budgeting and resource management, assessing and developing your own leadership team, creating and managing a useful strategic plan, managing conflict and interpersonal affairs, and finding time for advancement and development.

Coordinator:
Debra Larson, Dean of Engineering, California Polytechnic State University

Facilitators:
Steve Howell, Dean of Engineering, University of the Pacific
Reza Abbaschian, Dean of Engineering, University of California, Riverside
Jeffrey Goldberg, Dean of Engineering, University of Arizona
Robert Davis, Dean of Engineering, University of Colorado Boulder

2:30 p.m. – 3:30 p.m.  Transportation to Berkeley
3:00 p.m. - 4:30 p.m.  EDI Registration (Berkeley)

3:30 p.m. - 4:45 p.m.  Panel Presentation – Innovations in Facilities:
*Sibley Auditorium, Bechtel Engineering Center*

The goals of this session are to highlight four different established innovations in engineering facilities and to engage the audience in discussion. The featured innovations include buildings for innovative purposes, shared facilities (libraries), and infrastructure (roads, facilities, etc.).

**Coordinators:**
Gregory Washington, Dean of Engineering, University of California, Irvine, EDC Vice-Chair
Per Peterson, Executive Associate Dean of Engineering, University of California, Berkeley
Keith Bowman, Dean of Engineering, San Francisco State University

**Panel Participants (Facilities):**
Jeffrey L. Duerk, Dean of Engineering, Case Western Reserve University (Thinkbox)
Louis A. Martin-Vega, Dean of Engineering, North Carolina State University (Hunt Library)
Amy Moll, Dean of Engineering, Boise State University (Center for Materials Research)
David Munson Jr., Dean of Engineering, University of Michigan (M-City and GG Brown Building)
Shankar Sastry, Dean of Engineering, University of California, Berkeley (Jacobs Institute)

5:00 p.m. - 6:00 p.m.  Tour: Jacobs Institute for Design Innovation – Berkeley with
David Dornfeld, Faculty Director

6:30 p.m. - 7:30 p.m.  Opening Reception featuring a Wine Tasting from The Good Life Wine Collective Vineyard
*University Club, California Memorial Stadium*

7:30 p.m. - 9:30 p.m.  Banquet and Keynote Speaker
Paul Jacobs, Executive Chairman, Qualcomm, Inc.
*University Club, California Memorial Stadium*

**Sponsored by:** California Polytechnic State University, San Luis Obispo; California State University, Bakersfield; California State University, Chico; California State University, Los Angeles; San Francisco State University; San Jose State University; University of California, Berkeley; University of California, Davis; University of California, Irvine; University of California, Los Angeles; University of California, Merced; University of California, Riverside; University of California, Santa Barbara; University of Southern California

9:30 p.m.  Transportation to InterContinental San Francisco

**Wednesday, March 30, 2016**

Sponsor display tables are available during Exhibit Breaks and Refreshment Breaks

7:00 a.m. - 5:00 p.m.  EDI Registration
*Grand Ballroom Foyer*

7:45 a.m. - 8:45 a.m.  Welcome, Breakfast, and Keynote Address Sponsored by Lockheed Martin
*Grand Ballroom*
Welcome by Gregory Washington, Dean of Engineering, University of California, Irvine, 2016 EDI Chair

Speaker:
Jeffrey Wilcox, Vice President, Engineering and Program Operations, Lockheed Martin

**Engineering our Nation’s Future: Findings from the National Engineering Forum**

Since 2012, the National Engineering Forum (NEF) has visited 19 cities throughout the United States, convening more than 1,400 executives from a cross-section of disciplines in a dialogue on the future of the U.S. engineering enterprise. The dialogues, hosted by universities, national labs, and industry associations, cultivated discussions on three challenges (3Cs): the capacity of our technical talent to fill future jobs, our engineering workforce’s capability to address 21st century challenges, and our competitiveness in a global economy. NEF captured experiences, feedback and ideas emerging from discussions on the “3Cs.” NEF also engaged the future of engineering - our students and young professionals - on these questions through NEFGeneration, and last year began looking at the 3Cs through the lens of the Global Grand Challenges. With the dialogue series concluded, NEF is now using data from the dialogues and with your input, is developing actionable solutions to the 3Cs to be announced later this year.

**Keynote Speaker:**
Lloyd Carney, Chief Executive Officer, Brocade

The pace of innovation is moving faster than ever before. With emerging technologies like machine learning, data analytics and open source software, the gap between research and productization of technology can be zero, for the first time in history. This leads to tremendous challenges and opportunities in the field of engineering today, in a wide range of areas from wireless mobility to cyber security. But innovation at this pace will increasingly demand a skillset that is somewhat different than has traditionally been required. What is that skillset for the next decade? And how can academia and industry collaborate to field a workforce that is prepared to tackle these challenges, and equipped to advance into leadership roles?

8:45 a.m. – 9:00 a.m.  Exhibit Break
Pacific Terrace
9:00 a.m. – 10:30 a.m.  Initial Session – Industry Titans
Grand Ballroom

The goal of this panel is to highlight the needs of some of our greatest companies and to determine how engineering programs should be preparing our students for the future. The panel features a number of C-level executives from engineering businesses, and the program is moderated by Janet Napolitano, president of the University of California. The panel will start with the executives describing their company and highlighting their greatest technology challenge. Each panelist will have 5 minutes.

Moderators:
Janet Napolitano, President, University of California

Panel Participants: Technology Titans Panel
Henry Samueli, Chief Technical Officer and a board member, Broadcom
Ivo Bolsens, Senior Vice President and Chief Technology Officer, Xilinx
George DeCesare, Chief Technology Officer, Kaiser Permanente
Lloyd Carney, Chief Executive Officer, Brocade

10:30 a.m. – 11:00 a.m.  Refreshment Break Sponsored by Virginia Commonwealth University
Pacific Terrace

11:00 a.m. – 12:15 p.m.  2nd Session: Commercialization and IP
Grand Ballroom

The goals of this session are to highlight four different established innovations in commercialization and IP and to engage the audience in discussion. The fifth presentation (Henry Samueli) emanates from a person who started as a faculty member and founded a major technology company. Presenters are encouraged to create a presentation that is geared toward the interests of this audience of deans. Generally speaking, the audience will be trying to understand the innovation from their respective college level perspective and how the innovation might translate to their organization. As such, the recommended (not required, however) presentation outline: Provide a description of the program with perhaps a historical story about development, provide some evidence supporting the strength/importance of the innovation, and speak to a few key operational aspects.

Moderators:
Gregory Washington, Dean of Engineering, University of California, Irvine
Yannis C. Yortsos, Dean of Engineering, University of Southern California

Panel Participants:
Amit Shah, Partner, Artiman Ventures
Richard Sudek, Executive Director, Applied Innovation, University of California, Irvine
Katharine Ku, Director of the Office of Technology Licensing (OTL), Stanford University
Henry Samueli, Co-Founder, Chairman of the Board and Chief Technical Officer, Broadcom

12:15 p.m. – 1:30 p.m.  Luncheon and Keynote Presentation Sponsored by Dassault Systèmes
Grand Ballroom

Speaker:
Xavier Fouger, Senior Director, Global Academia Programs at Dassault Systèmes
Colorado School of Mines is an elite public research university dedicated to applied science and engineering with:

- 357 full-time faculty members serving over 5600 degree-seeking students
- 14 ABET accredited programs
- 24 Doctor of Philosophy degree options, including Applied Physics, Computer Science, Hydrology, Materials Science, and Nuclear Engineering

Research and education emphasizing responsible stewardship of the earth and its resources, from the discovery, recovery, and management of resources, to the use of materials and energy in advanced processes, products, and systems, to fundamental scientific and engineering explorations.

Helping society solve its greatest challenges, Mines is engineering the way.
National Manufacturing Initiatives: New Economy needs Reshaping Engineer’s Skills Profile

The recent years have seen many governments realizing that sustained employment or economic development requires industry to embrace new principles such as user-centric value chains, responsive, agile, distributed (“smart”) production, global optimization of value creation, personalization, or new ways to reach consumers. From “Industrie 4.0” to “Manufacturing 2025”, “Manufacturing Renaissance”, “Make in India” or “Industry of the Future”, national manufacturing initiatives in various countries have mushroomed in support of the required transitions of socio-technical practices, business models and economical and regulatory structures.

The new economy resulting from those initiatives will be designed and operated by engineers. Many of them are yet to graduate and the challenge on engineering educators is considerable. Personalized production techniques, distributed engineering and manufacturing, smart production facilities, globally dispersed stakeholders are some characteristics of the new industry that determine new competences in engineers. As a consequence of those initiatives, many new practices will gain momentum: additive manufacturing, crowd based innovation, big-data dashboarding, digital factory methods, the Internet of Things and its disruptive business models...

Because they will have large impacts on engineering skills, Dassault Systèmes works with industry to define them and with academia to bring them into the curriculum.

1:30 p.m. – 1:45 p.m.  Exhibit Break
Pacific Terrace

1:45 p.m. – 2:45 p.m.  3rd Session: What is Innovation?
Grand Ballroom

The objective of the session is to discuss the four main aspects of innovation which include collaboration, ideation, implementation and value creation. We will explore these aspects from different perspectives influenced by diverse technical or business backgrounds. In addition, we will discuss the impact and importance of innovation on society, technology, industry of technology and on engineering education.

Moderators:
Robert H. Bishop, Dean of Engineering, University of South Florida
Panel Participants:
Neil Gershenfeld, Director of the Center for Bits and Atoms, MIT
Sylvia Libow Martinez, Co-Author of the book, “Invent To Learn”
Utkan Demirci, Associate Professor, Stanford University School of Medicine
John Morrell, Director of Engineering, Apple

2:45 p.m. – 3:15 p.m.  Refreshment Break
Pacific Terrace

3:15 p.m. – 5:00 p.m.  Cool Ideas – Lightning Round
Grand Ballroom

This is an open session for individuals to present their cool ideas. Each participant will have 3-5 minutes to present something they are working on in school that they are excited about and want to share. Sample topics include new and innovative experiments in engineering education, research breakthroughs, engineering outreach projects, and cool ideas that participants would like to pursue, but need collaborators to bring to fruition. Cool Ideas participants will be selected and notified of their presentation prior to the session.

Moderators:
Jeffrey B. Goldberg, Dean of Engineering, University of Arizona
Larry Stauffer, Dean of Engineering, University of Idaho

Participants:
Gregory Washington, University of California, Irvine
Yannis Yortsos, University of Southern California
JB Holston, University of Denver
Katherine Banks, Texas A&M University
Ron Harichandran, University of New Haven
Chell Roberts, University of San Diego
Jennifer Curtis, University of California, Davis
Robert Davis, University of Colorado, Boulder
Thomas Farris, Rutgers, The State University of New Jersey
David Finley, Lake Superior State University
Scott Ashford, Oregon State University
Shankar Mahalingam, University of Alabama, Huntsville
Keith Buffinton, Bucknell University
Joe Hartman, University of Massachusetts, Lowell
Larry Stauffer, University of Idaho
Mark Spong, University of Texas, Dallas

4:15 p.m. - 5:00 p.m.  EDC Global Engineering Education Committee Meeting
Union Square

5:30 p.m. – 7:00 p.m.  EDI Reception
Sponsored by Oregon State University; The Learning House; Wiley; Saint Louis University; MathWorks; National Instruments; Northrop Grumman; Texas A&M University Dwight Look College of Engineering; and the University of Colorado
Pacific Terrace
AEROSPACE ENGINEERING
AVIATION MANAGEMENT
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COMPUTER ENGINEERING
ELECTRICAL ENGINEERING
ENGINEERING PHYSICS
FLIGHT SCIENCE
INTERDISCIPLINARY ENGINEERING
MECHANICAL ENGINEERING
PHYSICS

SAINT LOUIS UNIVERSITY
PARKS COLLEGE OF ENGINEERING,
AVIATION AND TECHNOLOGY

PHONE: 314.977.8203 | EMAIL: ENGINEERING@SLU.EDU | WEB: PARKS.SLU.EDU
Speaker:
Scott Ashford, Dean of Engineering, Oregon State University

7:00 p.m. – 9:00 p.m. Women Deans Networking Dinner (off-site ticketed event)
AQ Restaurant
Address: 1085 Mission Street, San Francisco, CA 94103

All are welcome to take this opportunity to network with women engineering deans over dinner. Advance purchase of tickets is recommended.

Organizer:
Emily L. Allen, Dean of Engineering, California State University, Los Angeles

Thursday, March 31, 2016

Sponsor display tables are available during Exhibit Breaks and Refreshment Breaks

6:45 a.m. – 7:30 a.m. EDC Public Policy Committee Meeting (Invitation Only)
Union Square

7:30 a.m. – 5:00 p.m. EDI Registration
Grand Ballroom Foyer

7:30 a.m. – 8:15 a.m. Breakfast and Keynote Address
Sponsored by University of Florida, College of Engineering
Grand Ballroom

Speaker:
Josh Walden, Senior Vice President and General Manager, New Technology Group at Intel Corporation

Changing the Face of High Tech: Intel's Leadership Journey in Diversity & Inclusion

8:15 a.m. – 8:30 a.m. Exhibit Break
Pacific Terrace

8:30 a.m. – 9:40 a.m. 4th Session: Innovation in Diversity and Inclusivity
Grand Ballroom

A selection of deans will present their most effective programs for increasing diversity and improving inclusivity in their colleges.

Moderators:
Emily L. Allen, Dean of Engineering, California State University, Los Angeles
Yannis C. Yortsos, Dean of Engineering, University of Southern California

Panel Participants:
Amy Moll, Dean of Engineering, Boise State University
Jenna Carpenter, Dean of Engineering, Campbell University
Kevin Moore, Dean of Engineering, Colorado School of Mines
S.K. Ramesh, Dean of Engineering, California State University, Northridge
Ranu Jung, Dean of Engineering, Florida International University
Gary May, Dean of Engineering, Georgia Institute of Technology
Amr Elnashai, Dean of Engineering, Pennsylvania State University
David Munson Jr., Dean of Engineering, University of Michigan
Sharon Jones, Dean of Engineering, University of Portland

9:40 a.m. – 10:00 a.m. Refreshment Break
Sponsored by the University of Portland
Pacific Terrace

10:00 a.m. – 11:00 a.m. 5th Session: ABET Innovations
Grand Ballroom
Over the past few years, ABET has been changing to be more effective, innovative, and relevant to the emerging needs of engineering education world-wide. The goal of this session is to reintroduce ABET – the organization of today – to our Nation’s Deans of Engineering. Speakers will briefly share information on organizing for greater engagement; training evaluators for higher quality reviews; re-articulating a position on diversity and inclusivity; and adapting through criteria changes. The session will also include an interactive exercise to elicit feedback.

Moderators:
Debra Larson, Dean of Engineering, California Polytechnic State University
Gerald Holder, Dean of Engineering, University of Pittsburgh

Panel Participants:
Michael Milligan, Executive Director and Chief Executive Officer, ABET
Joe Sussman, Chief Accreditation Officer and Chief Information Officer, ABET
Sarah Rajala, Dean of Engineering, EAC Chair, ABET
Patsy Brackin, Criteria Committee Chair, EAC, ABET

11:00 a.m. – 12:00 p.m. EDC Business Meeting
Grand Ballroom

12:00 p.m. – 1:15 p.m. Lunch Table Talk on Diversity and Inclusion
Sponsored by University of Pittsburgh, Swanson School of Engineering
Grand Ballroom
ABET has created an ad hoc diversity and inclusion committee, charged to review and affirm or recommend revision to ABET’s policy on diversity and inclusion; to reconsider ABET’s role in supporting diverse learner populations within the broad range of ABET accredited programs; and to make recommendations to the ABET Councils in this regard. This working lunch session over lunch will be facilitated by members of the diversity and inclusion committee to gather input from deans regarding these issues.

Speakers:
Gerald D. Holder, Dean of Engineering, University of Pittsburgh, EDC Chair
Emily L. Allen, Dean of Engineering, California State University, Los Angeles, ABET Ad Hoc Committee on Diversity and Inclusion Chair
Sarah Rajala, Dean of Engineering, Iowa State University, ABET/EAC Chair
engineering the future to

Make it real.

It’s been 20 years since the very first VCU School of Engineering class took a chance on something new — a School rooted in public-private partnerships. At that time, there was no dedicated building space and very few faculty. We are certainly more than before — teaching a current student body of nearly 2,000 undergraduates and nearly 300 graduates.

Engineering skills alone do not equal success in the 21st century. That’s why we challenge our students to think bigger and actively collaborate with community businesses and students from a wealth of backgrounds. That’s how we make it real.

For more information visit www.egr.vcu.edu

VCU School of Engineering

VIRGINIA COMMONWEALTH UNIVERSITY
WHAT'S IN STORE FOR THE FUTURE OF ENGINEERING IN HIGHER EDUCATION? Integrated collaboration between top universities and visionary companies. At the University of Dayton, two Fortune 500 companies built research facilities right on campus.

In 2013, GE Aviation completed a $53 million Electrical Power Integrated Systems Center. And in April 2016, Emerson Climate Technologies will formally open its $35 million innovation center on University property, too.

Our faculty and graduate and undergraduate students are already working with GE Aviation to create advanced electrical power systems for aircraft, longer-range electric cars and smarter power grids. With Emerson, we'll work to increase heating, air conditioning and refrigeration efficiency, promote sustainability and improve system connectivity.

Whether we're working with companies or communities, the University of Dayton has always read the signs of the times and acted boldly for the future. It's a part of our Catholic, Marianist mission. It's how we continue to change to meet the needs of our world.
1:15 p.m. – 1:30 p.m.  Exhibit Break  
Pacific Terrace

1:30 p.m. – 2:45 p.m.  6th Session: Innovations in Engineering Education  
Grand Ballroom

The goals of this session are to highlight four different established innovations in engineering education and to engage the audience in discussion. The highlighted innovations include: preparing faculty for teaching engineering, using large projects to drive activities and learning across the full spectrum of education, translating educational research to practice, and delivering accredited engineering degrees on-line.

Moderators:  
Debra Larson, Dean of Engineering, California Polytechnic State University

Panel Participants:  
Edward Coyle, Professor, Georgia Institute of Technology  
Kyle Squires, Dean of Engineering, Arizona State University  
Stephen Phillips, Professor and Director, Arizona State University  
Monica Cox, Professor and Inaugural Chair, The Ohio State University  
Milo Koretsky, Professor, Oregon State University

2:45 p.m. – 3:15 p.m.  Refreshment Break  
Pacific Terrace

3:30 p.m. – 5:00 p.m.  7th Session: Disruptive Innovations  
Grand Ballroom

The goal of the panel is to highlight the needs of some of our most disruptive start-up companies and to determine what engineering programs can do to prepare our students for the future. The panel features a number of C-level executives from startup engineering companies. The panel will start with each executive describing their business and highlight their greatest technology challenge. Each panelist will initially have 5-8 minutes.
Moderators:
Gregory Washington, Dean of Engineering, University of California, Irvine

Panel Participants:
Frank Vahid, Co-Founder, zyBooks
Amit Jain, President, Chief Executive Officer and Founder, Prysm
Deepak Aatresh, Co-Founder, Chief Executive Officer, Aditazz, Inc.
Paul Kellenberger, Chief Executive Officer, zSpace, Inc.

7:00 p.m. – 7:45 p.m. Closing Reception
University of the Pacific, Arthur A. Dugoni School of Dentistry
Address: 155 Fifth Street, San Francisco, CA 94103 (Next door to Intercontinental Hotel)

8:00 p.m. – 9:30 p.m. Closing Banquet
Sponsored by National Council of Examiners for Engineering and Surveying (NCEES)
Grand Ballroom

Speaker (NCEES):
Keri Anderson, Manager of Corporate Communications, National Council of Examiners for Engineering and Surveying

Keynote Speaker:
Vinton Cerf, Vice President, Chief Internet Evangelist, Google

Friday, April 1, 2016

8:00 a.m. – 2:00 p.m. Engineering Deans Institute (EDI) Excursion Day

We are pleased to present you with the opportunity to visit California’s Silicon Valley, the world’s leading hub and startup ecosystem for high-tech innovation and development, accounting for one-third of all of the venture capital investment in the United States.

The day starts at the Computer History Museum (CHM), with presentations on topics such as the CHM’s vision and Broadcom Corporation’s Design_CODE_Build, as well as a tour of the museum. Next, we’ll head to the tech-trendy Facebook campus where you will get to meet Facebook researchers, university recruiters, and alumni from your universities. You will hear a talk on Facebook’s newest project “Aquila”, the solar-powered drone – that will give internet access to remote parts of the world, have lunch, and end with a walking tour of their dynamic urban campus before you depart.

Please note: This opportunity is open to the first 30 attendees. To register, please log in to your ASEE account and choose the event “2016 Engineering Deans Institute (EDI) Excursion Day” (if at that time the registration is still open based on availability). Attendance requires acceptance of Facebook’s non-disclosure agreement. A copy of the NDA will be sent to all who have registered for the event.
General Information

On-Site Registration Fees

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Fee</th>
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<tbody>
<tr>
<td>Dean</td>
<td>$535</td>
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<tr>
<td>Spouse/Guest</td>
<td>$275</td>
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<tr>
<td>Unregistered Guest Tuesday Reception &amp; Banquet at Berkeley</td>
<td>$75</td>
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<tr>
<td>Unregistered Guest Wednesday Reception</td>
<td>$40</td>
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<tr>
<td>Unregistered Guest Closing Reception &amp; Banquet</td>
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The Spouse/Guest fee includes the following activities:

**Tuesday**
- Opening Reception & Banquet at Berkeley

**Wednesday**
- Breakfast and Keynote
- Lunch and Keynote Reception

**Thursday**
- Breakfast and Keynote
- Lunch and Keynote
- EDI Closing Reception & Banquet

EDI Registration Desk Hours – Grand Ballroom Foyer

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Tuesday, March 29th</td>
<td>10:00 a.m. - 1:00 p.m.</td>
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<tr>
<td>Wednesday, March 30th</td>
<td>7:00 a.m. - 5:00 p.m.</td>
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<tr>
<td>Thursday, March 31st</td>
<td>7:30 a.m. - 5:00 p.m.</td>
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EDI Registration at Berkeley

<table>
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<tr>
<td>Tuesday, March 29th</td>
<td>3:00 p.m. - 4:30 p.m.</td>
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Americans with Disabilities Act (ADA)

Registrants with special needs who participate in our conference will be accommodated to the fullest extent possible. If you need special arrangements, please advise us at the time you register.

Attire

Business attire is appropriate for the Engineering Deans Institute.
Michael M. Khonsari, Dow Chemical Endowed Chair and Professor of Mechanical Engineering, will lead a consortium that will support advanced manufacturing research and initiatives. The National Science Foundation recently awarded a $20 million grant to the Louisiana Board of Regents to advance this critical research, diversify the Louisiana workforce and support K-12 outreach. Our energy is transformative.
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