The ASEE Annual Conference and Exposition is the only conference dedicated to all disciplines of engineering and engineering technology education. As the premier event of its kind, the ASEE Annual Conference and Exposition fosters an exchange of ideas, enhances teaching methods and curricula, and provides unparalleled networking opportunities for engineering and engineering technology education stakeholders, including deans, faculty members, researchers, and industry and government professionals.

The conference features more than 400 technical sessions, with peer-reviewed papers spanning all disciplines of engineering education; distinguished lectures, including the main plenary; award receptions and banquets; the “Greet the Stars” orientation for new ASEE members and first-time conference attendees; and the ASEE Division Mixer. The Exhibit Hall is also home to several exciting events, including the “Focus on Exhibits” Welcome Reception, Brunch, Summertime Social, and Luncheon. We look forward to welcoming you to Salt Lake City!
### Conference at a Glance

For detailed session information visit [www.asee.org/osl](http://www.asee.org/osl).

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<tr>
<th>SATURDAY, JUNE 23</th>
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<th>TUESDAY, JUNE 26</th>
<th>WEDNESDAY, JUNE 27</th>
<th>THURSDAY, JUNE 28</th>
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<tr>
<td>Registration Open - 4:00 pm - 7:00 pm</td>
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<td>Registration Open - 8:00 am - 3:00 pm</td>
<td>ASEE Board of Directors Retreat 8:30 am - 3:00 pm</td>
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<td>Exhibit Hall Open - 5:45 pm - 7:15 pm</td>
<td>Exhibit Hall Open - 9:30 am - 6:00 pm</td>
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<td><strong>ASEE Executive Committee Meeting</strong> 8:00 am - 10:00 am</td>
<td><strong>Finance Committee Meetings</strong> 8:00 am - 9:30 am</td>
<td><strong>Monday Plenary</strong> - 8:00 am - 9:30 am</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 8:00 am - 9:30 am</td>
<td><strong>Division Business Meetings Only</strong> (Optional) - 7:00 am - 8:00 am</td>
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<td><strong>ASEE Finance Committee Meeting</strong> 10:00 am - Noon</td>
<td><strong>Greet the Stars - New Members and First Time Attendees Lunch Noon - 1:00 pm</strong></td>
<td><strong>Technical Session &amp; Business Meeting</strong> 11:30 am - 1:00 pm</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 11:30 am - 1:00 pm</td>
<td><strong>Technical Sessions &amp; Business Meetings 11:30 am - 1:00 pm</strong></td>
<td><strong>ASEE Annual Awards Luncheon</strong> 11:30 am - 1:00 pm</td>
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<td><strong>ASEE Executive Committee Meeting</strong> 12:15 pm - 1:30 pm</td>
<td><strong>Technical Session Only</strong> 1:15 pm - 2:45 pm</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 1:30 - 3:00 pm</td>
<td><strong>Technical Session Only</strong> 1:30 pm - 3:00 pm</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 1:30 pm - 3:00 pm</td>
<td><strong>ASEE New Program Chair Orientation</strong> 11:30 pm - 2:45 pm</td>
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<td><strong>ASEE Long Range Planning</strong> 1:30 pm - 4:30 pm</td>
<td><strong>Technical Session Only</strong> 2:45 pm - 4:15 pm</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 3:15 pm - 4:45 pm</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 3:15 pm - 4:45 pm</td>
<td><strong>Technical Session &amp; Business Meeting</strong> 3:15 pm - 4:45 pm</td>
<td><strong>Interdivisional Town Hall</strong> 11:30 pm - 2:45 pm</td>
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<tr>
<td><strong>ASEE Diversity &amp; P12 Committee Meetings</strong> - 4:00 pm - 5:30 pm</td>
<td><strong>PIF/L Meeting</strong> 4:00 pm - 5:30 pm</td>
<td><strong>Focus on Exhibits Summertime Social 6:00 pm - 6:00 pm</strong></td>
<td><strong>NEW ASEE Member General Body Meeting</strong> 3:15 pm - 4:45 pm</td>
<td><strong>Division Business Meetings Only</strong> (Optional) 5:00 pm - 6:00 pm</td>
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<tr>
<td><strong>Taste of Salt Lake</strong> 6:00 pm - 9:00 pm Complimentary for All Attendees</td>
<td><strong>Division Mixer</strong> 4:30 pm - 6:00 pm</td>
<td><strong>Focus on Exhibits Welcome Reception 6:00 pm - 7:30 pm</strong></td>
<td><strong>Division Social Events (Optional)</strong></td>
<td><strong>Institutional Council Reception (By Invitation Only)</strong> 7:00 pm - 8:30 pm</td>
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A special event for all to enjoy!

NEW this year: local beer and wine tastings with Cheese, Chedda Burger, and many more.

Taste the local favorites Waffle Love, Fat Kid Mac ‘n’ cheese.

Discover exotic birds with Tracy Aviary.

Be entertained by LED ballerinas, stilt walkers, all a taste of what Salt Lake has to offer.

local restaurants, local attractions, and games, giving A Taste of Salt Lake: This event will feature food from local and home ingredients.

Free ticketed event

Date: Saturday, June 23
Location: Bennion Center, University of Utah
Time: 12:00 p.m. – 4:00 p.m.
Ticket: $40

Coordinated by the ASEE Community Engagement and the Bennion Center at the University of Utah, this project will give ASEE participants the opportunity to develop a community garden with a nearby refugee community. While many refugees have become integral members of the Salt Lake City community, they miss their foods from home.

Gardens provide not only a source of pride for the community but also food that is not locally available. The project consists of four hours of work clearing land, building garden boxes, installing drip lines, and planting seeds.

Throughout this event, we hope to provide an educational experience related to community engagement in addition to providing some service to our host city.

Additionally, participants can learn from the Bennion Center and their successful projects.

BACK BY POPULAR DEMAND: TASTE OF THE CITY

Date: Saturday, June 23
Location: Salt Palace Convention Center, South Foyer
Time: 6:00 p.m. – 9:00 p.m.
Free ticketed event

A Taste of Salt Lake: This event will feature food from local restaurants, local attractions, and games, giving all a taste of what Salt Lake has to offer.

Be entertained by LED ballerinas, stilt walkers, magicians, and caricature artists!

Discover exotic birds with Tracy Aviary.

Taste the local favorites Waffle Love, Fat Kid Mac ‘n’ Cheese, Chedda Burger, and many more.

NEW this year: local beer and wine tastings with Squatters Beer and Castle Creek Winery.

A special event for all to enjoy!

ASEE’S LIVING WALL

Dates: Saturday, June 23 - Wednesday, June 27
Location: Salt Palace Convention Center, Foyer
Time: Available during registration hours.

We’re excited to announce the return of the ASEE Living Wall at this year’s Annual Conference.

Each year, conference attendees will contribute their thoughts to the wall by writing a response to a particular question or idea.

The Wall will be preserved and displayed from year to year, growing bigger and bigger, and serve as a historical document of our conference attendees’ insights, ruminations, and reflections.

We hope you’ll take a few moments to leave your legacy on the Wall. It’s located outside the Exhibit Hall near the Info Kiosk.

ASEE ACTIVE: SUNSET YOGA

Date: Sunday, June 24 - Wednesday, June 27
Join your friends and colleagues as we jump-start our day with a renewing stretch and meditation class!
(Mats and exercise clothes are not required.)

SUNDAY WORKSHOPS

Date: Sunday, June 24
Location: Salt Palace Convention Center
Time: 9 a.m. - 12:00 p.m.

The ASEE Annual Conference workshops have been moved to Sunday. They will feature workshops from divisions such as ERM, New Engineering Educators Division, Liberal Education/ Engineering & Society Division, Design in Engineering Education Division, Biomedical Division, Continuing Professional Development Division, and many others. Be sure to check them out!

GREEN THE STARS! NEW MEMBERS AND FIRST-TIME ATTENDEES LUNCHEON

Date: Sunday, June 24
Location: Salt Palace Convention Center
Time: 12:00 p.m. - 1:00 p.m.

Ticketed: (By invitation only)

Are you a new member? A first-time attendee? Join your friends, colleagues, and the ASEE Board of Directors at this special luncheon to discuss an overview of the conference and the benefits of membership.

(Anyone who joined ASEE for the first time after January 1, 2018, and/or is a first-time Annual Conference attendee is welcome to attend.)

ASEE DIVISION MIXER

Date: Sunday, June 24
Location: Grand Ballroom, Salt Palace Convention Center
Time: 4:00 p.m. - 5:30 p.m.
One of our most popular events!

The Division Mixer kicks off the conference with music, drinks, food, and colleagues. This event is both a networking opportunity and a chance for divisions to showcase and promote themselves to prospective members. Tables staffed by participating divisions may feature contests and prize giveaways.

This event is complimentary for all attendees.

BACK BY POPULAR DEMAND: VIRTUAL REALITY EXPERIENCE

Date: Sunday, June 24 - Tuesday, June 26
Location: Exhibit Hall, Salt Palace Convention Center
Get immersed in the latest Virtual Reality experience—located in the back of the Exhibit Hall.

Four Virtual Reality stations will be open—15 minutes per person.

FOCUS ON EXHIBITS: WELCOME RECEPTION

Date: Sunday, June 24
Location: Exhibit Hall, Salt Palace Convention Center
Time: 6:00 p.m. - 7:30 p.m.

Join your colleagues at the Grand Opening of the Exhibit Hall, immediately following the Division Mixer (above). The Exhibit Hall is packed with innovative products, solutions, and technologies, with new and exciting content year after year. Roam the expansive space while enjoying refreshments. Catch up with old friends and make new ones.

This event is complimentary for all attendees and will feature free refreshments, beer, and wine.

ASEE ACTIVE! GROUP WALK/RUN EVENT

Date: Monday, June 25, and Tuesday, June 26
Location: East Doors, Salt Lake Palace Convention Center
Time: 6:30 a.m. - 7:30 a.m.
Free ticketed event

Looking for people with whom to run or walk outdoors?

Don’t know the local scene?

Meet up with your colleagues at the east doors of the Salt Palace Convention Center (West Temple and 200 South) at 6:30 a.m. We’ll head out on a group run/walk highlighting the State Capitol Building, Memory Grove Park, and City Creek Canyon. Pace and distance will be determined based on attendee preference; there will be at least one walking group and one running group available. All runners and walkers are welcome! ASEE Active! is endorsed by the Ad Hoc Committee for Interdivisional Cooperation and the Connecting Us Team of the ASEE Board’s Strategic Doing initiative, and is focused on building community among ASEE members through participation in healthy recreational activities.

ASEE MONDAY PLENARY

Sponsored by the University of Maryland

Date: Monday, June 25
Location: Salt Palace Convention Center
Time: 8:00 a.m. - 9:30 a.m.

Join your friends and colleagues at our annual Monday Plenary, featuring student winners of several national STEM contests as well as a keynote address and special anniversary performance.

In recognition of our “125 Years at the Heart of Engineering Education,” a dramatic representation of ASEE through the years will be presented by an acting troupe directed by Jeffrey Steiger, known for his unique theatrical presentations of academe-themed issues.
CONFERENCE HIGHLIGHTS

FOCUS ON EXHIBITS: BRUNCH AND NSF GRANTEES POSTER SESSION
Date: Monday, June 25
Location: Exhibit Hall, Salt Palace Convention Center
Time: 9:45 a.m. – 11:15 a.m.

Our exhibitors welcome you back for food and drink to start the day. Whether it’s a NASCAR, 3-D Center, or quality textbooks for your classes, you’ll likely find something interesting in the hall.

This event is complimentary for all attendees.

FOCUS ON EXHIBITS: SUMMERTIME SOCIAL
Date: Monday, June 25
Location: Exhibit Hall, Salt Palace Convention Center
Time: 5:00 p.m. – 6:00 p.m.

Nothing says summer like a refreshing glass of sweet, cold lemonade. Escape the hot June temps and see what’s “hot” on the Exhibit Hall floor.

This event is complimentary for all attendees.

TUESDAY PLENARY
Date: Tuesday, June 26
Location: Salt Palace Convention Center
Time: 9:45 a.m. – 11:15 a.m.

Join your friends and colleagues as we recognize the winners of the 2018 Outstanding Teaching Award, and the Best Overall PIC Paper, Best Overall Zone Paper, and Best Diversity Paper from the 2017 Annual Conference.

The Corporate Member Council Industry Day keynote speaker also will be featured.

GEORGE SIEMENS
Professor and Executive Director
Learning Innovation and Networked Knowledge Research Lab
University of Texas, Arlington

George Siemens, a pioneer of massive, open, online courses (MOOCs), researches technology, networks, analytics, and openness in education. He led the development of the Center for Change and Complexity in Learning (C3L) at the University of South Australia. He has delivered keynote addresses in more than 35 countries on the influence of technology and media on education, organizations, and society. His work has been featured in provincial, national, and international newspapers (including the New York Times), radio, and television. He has served as principal investigator or co-PI on grants totaling more than $15 million, with funding from the National Science Foundation, the Social Sciences and Humanities Research Council of Canada, Intel, Boeing, the Bill and Melinda Gates Foundation, and the Soros Foundation. He has received numerous awards, including honorary doctorates from Universidad de San Martin de Porres and Fraser Valley University for his pioneering work in learning, technology, and networks. He holds an honorary professorship at the University of Edinburgh.

Siemens is the founding president of the Society for Learning Analytics Research (http://www.solarresearch.org/). He has advised government agencies in Australia, the European Union, Canada, and the United States, as well as numerous international universities, on digital learning and using learning analytics for assessing and evaluating productivity gains in the education sector and improving learner results. He blogs at http://www.elearn.space.org/blog/ and on Twitter: @gsiemens.

Authors: Benjamin Lutz and Marie Paretti, Virginia Tech

BEST OVERALL ZONE PAPER: ZONE IV Paper: “Assessment of Long-Term Effects of Technology Use in the Engineering Classroom”
Author: Sean St.Clar, Oregon Institute of Technology

BEST DIVERSITY PAPER: “The Inequality of LGBTQ Students in U.S. Engineering Education: Report on a Study of Eight Engineering Programs”
Authors: Erin A. Cech, University of Michigan; Tom J. Waidzunas, Temple University; and Stephanie Farrell, Rowan University

FOCUS ON EXHIBITS: LUNCH AND ASE DIVISION POSTER SESSIONS
Date: Tuesday, June 26
Location: Exhibit Hall, Salt Palace Convention Center
Time: 11:30 a.m. – 1:00 p.m.

ASEE Division Poster Sessions are available for perusing during the Tuesday Plenary.

Please note that Best Overall PIC Paper (PIC V) and the Best Overall Zone Paper (Zone IV) will be featured during the Tuesday Plenary.

PIC I Best Paper: “Challenges of a Professional Issues Course in Civil Engineering: Comparison Across Two Years”
Authors: Angela Biefeleld, University of Colorado, Boulder

PIC II Best Paper: “Impact of a Sophomore BM&E Fundamentals Course on Student Outcome Performance and Professional Development”
Authors: Christina Willie, Dalton Hess, Jacob Levin, Amit Nimunkar, and John Puccinelli, University of Wisconsin, Madison

Authors: David Bibiasso, Paula Quinn, Kristin Boudreau, Laura Robinson, John Sullivan, John Bergendahl, and Leslie Dodson, Worcester Polytechnic Institute

PIC IV Best Paper: “An Educational Laboratory Experimental System for Teaching Chemical Reaction Process Dynamics and Control”
Authors: Malia Kawamura and Andrew Alleyne, University of Illinois, Urbana-Champaign; Erik Sutanto, Dow Chemical Co.

Best Zone I Paper: “Molecules and Cells: A Model for Addressing the Needs of Students With Varied Backgrounds and Diverse Learning Styles”
Authors: Eileen Haase and Harry Goldberg, Johns Hopkins University
Best Zone II Paper: “When Opportunity Knocks - An Alternative Summer Engineering Internship”
Authors: Nicole Baker, Pablo Biswas, and Scott Schultz, Mercer University

Best Zone III Paper: “Implementing Lecture-based Tutoring to Improve Student Learning”
Author: Todd Easton, Kansas State University

DISTINGUISHED LECTURE - IT TAKES MORE THAN GOOD INTENTIONS: DO ENGINEERS HAVE SOCIAL RESPONSIBILITY FOR SOCIAL JUSTICE?
DEBORAH G. JOHNSON
Professor of Applied Ethics
Department of Engineering and Society STS Program
University of Virginia

The idea that engineering makes a positive contribution to human well-being is a central aspect of engineering identity and a particularly important motivation to current undergraduate engineering students. The Grand Challenges put forward by the National Academy of Engineering, for example, take as their foundation the belief that the 20th century was a time in which “engineering revolutionized and improved virtually every aspect of human life.” From a historical perspective, however, the relationship between engineering and social justice is complicated, particularly to the extent that engineers work for employers and their clients under the demands of business environments.

Distinguished lecturer Deborah G. Johnson is a leading expert in engineering ethics. The author or editor of four books and author of more than 50 papers, she co-edits the journal Ethics and Information Technology and has taught courses on ethical theory, information technology, ethics, and policy; engineering ethics, research, and values; and policy.

Johnson has suggested that the social responsibility of engineers should be understood as a form of accountability in which engineers and the organizations of which they are a part assume obligations to explain and justify behavior and share norms regarding what needs to be explained, what counts as an adequate explanation, and what consequences might follow. She points out, “Engineers are not required to explain or justify their behavior to publics until something goes wrong or until engineers—in the act of whistleblowing—bring something to the attention of a public.” Johnson urges us to pay attention to the ways in which the “social responsibilities of engineers are constructed and manifested through concrete practices in which norms and expectations are manifested and enforced.” In this lecture, Johnson will provide a road map for the integration of engineering ethics with the perspectives of science, technology, and society.

DISTINGUISHED LECTURE - A VOICE FOR CHANGE: BUILDING AN INCLUSIVE FUTURE WITH LOCAL POLICY AND ENGINEERS
JACKIE BISKUPSKI
Mayor of Salt Lake City

Since ASEE’s Year of Action on Diversity (2014-2015), the social and political landscape of the United States has changed significantly. Finding ways to bridge divides is more important now than ever. In 2015, conservative Salt Lake City elected its second female and first openly gay mayor, Democrat Jackie Biskupski. She brought a vision for the future that built on the best of the city’s culture as a community that values the environment, mutual support, and high quality of life. She also brought her understanding of how important vibrant, small-and-large business activity is for a thriving community. Seeing environmental, economic, and social justice benefits for her city, she has made improving air quality and combating climate change keystones of her administration.

She is leading her city to run on 100 percent clean energy by 2032 and to reduce carbon emissions by 80 percent by 2040. She has increased the number of shelters in Salt Lake City for the homeless and pushed for more transparency in policies related to police body cameras. Mayor Biskupski will share her vision for how social justice and economic development can work together to build an inclusive future and the vital role of engineers in that future.

LYLE D. FEISEL (MODERATOR)
Dean Emeritus, Thomas J. Watson School of Engineering and Applied Science
SUNY Binghamton

Electrical engineer Lyle Feisel, a member of ASEE for 50 years and a Fellow, has served the Society in a number of leadership roles, including as President (1997-1998), Vice President (1982-1984), and interim Executive Director (2010-2011). He currently chairs Prism’s editorial advisory board. Feisel, engineering dean emeritus at the State University of New York at Binghamton, will moderate a distinguished panel examining ASEE’s notable activities in three major areas—curriculum, educational theory, and diversity—and exploring the challenges and opportunities that lie ahead.

Presenters include Stephanie Adams, dean of engineering at Old Dominion University; Karl Smith, University of Minnesota professor emeritus; and Donna Riley, head of Purdue University’s School of Engineering Education.

DISTINGUISHED LECTURE - ASEE AT 125, +/- 25 YEARS: WHERE HAVE WE BEEN AND WHERE ARE WE GOING?

LYLE D. FEISEL (MODERATOR)
Dean Emeritus, Thomas J. Watson School of Engineering and Applied Science
SUNY Binghamton

Electrical engineer Lyle Feisel, a member of ASEE for 50 years and a Fellow, has served the Society in a number of leadership roles, including as President (1997-1998), Vice President (1982-1984), and interim Executive Director (2010-2011). He currently chairs Prism’s editorial advisory board. Feisel, engineering dean emeritus at the State University of New York at Binghamton, will moderate a distinguished panel examining ASEE’s notable activities in three major areas—curriculum, educational theory, and diversity—and exploring the challenges and opportunities that lie ahead.

Presenters include Stephanie Adams, dean of engineering at Old Dominion University; Karl Smith, University of Minnesota professor emeritus; and Donna Riley, head of Purdue University’s School of Engineering Education.

DISTINGUISHED LECTURE - ASEE 125- YEAR RETROSPECTIVE: WHERE HAS THE TIME GONE?

LYLE D. FEISEL (MODERATOR)
Dean Emeritus, Thomas J. Watson School of Engineering and Applied Science
SUNY Binghamton

Electrical engineer Lyle Feisel, a member of ASEE for 50 years and a Fellow, has served the Society in a number of leadership roles, including as President (1997-1998), Vice President (1982-1984), and interim Executive Director (2010-2011). He currently chairs Prism’s editorial advisory board. Feisel, engineering dean emeritus at the State University of New York at Binghamton, will moderate a distinguished panel examining ASEE’s notable activities in three major areas—curriculum, educational theory, and diversity—and exploring the challenges and opportunities that lie ahead.

Presenters include Stephanie Adams, dean of engineering at Old Dominion University; Karl Smith, University of Minnesota professor emeritus; and Donna Riley, head of Purdue University’s School of Engineering Education.

DISTINGUISHED LECTURE - BRINGING ENGINEERING OUT OF THE CLASSROOM TO SERVE THE DISABILITY COMMUNITY

ALBERT MANERO
Founder, Limbitless Solutions

Access to traditional post-secondary education is challenging due to high costs, healthcare policies, and technical limitations. A local family contacted Albert Manero, then a doctoral engineering student at the University of Central Florida (UCF), seeking help for 6-year-old Alex Pring, who was born without most of his right arm. Alex performed daily activities by making use of his left hand and his mom’s assistance. His family wanted to buy a prosthetic, but the high costs and accessibility challenges made that not feasible. Manero and a team of engineers and designers created a 3-D printed electromyographic arm for Alex, and Limbitless Solutions was born. Limbitless Solutions is a nonprofit direct support organization at UCF designing affordable bionic arms for children at no cost to families. Manero and his team advise research and design teams at UCF to improve access to bionics and to conduct research to advance empowerment technology. Engaging with local K-12 schools to promote the social impact that engineering is capable of, the team is looking to develop a more inclusive and creative engineering landscape for the future. Limitless Solutions has received extensive national recognition for its work, including being featured as part of Microsoft’s Collective Project.
DISTINGUISHED LECTURE - CULTURAL COMPETENCY IN MENTORING: STRATEGIES FOR CONNECTING ACROSS DIFFERENCE

LISA FAINE
Incoming CEO 
Center for Mentoring Excellence

There is near universal consensus that paying attention to diversity and inclusion is beneficial for student, staff, and faculty engagement and organizational success. Often, organizations employ mentoring programs to effect inclusion, or to help promote diversity within the organization. Rarely, however, do participants in these mentoring initiatives understand how much difference in culture, background, and perspective can impact the mentoring relationship or how to leverage those differences to maximize the effectiveness of mentoring. This session will introduce a model of cultural competency, create deeper understanding of the pillars of culture, and offer concrete strategies on how to leverage differences to create understanding, trust, and results in mentoring.

Lisa Fain, an attorney and certified mediator, founded and runs Vista Coaching, which provides group coaching for professional women looking to design and live their best lives. As senior director of diversity and inclusion at Outerwall Inc., Lisa spearheaded the development, establishment, and implementation of its diversity initiative.

ASEE ANNUAL AWARDS CEREMONY AND LUNCH

Sponsored by Dassault Systèmes

Date: Wednesday, June 27
Location: Salt Palace Convention Center
Time: 11:30 a.m. - 1:00 p.m.

ASEE offers awards in a variety of areas, from best paper, to teaching recognition, to professional and technical honors, to a lifetime achievement award. This event showcases some of ASEE’s best and brightest. Award winners and a guest are complimentary; all others can attend for $50.

ASEE PRESIDENT’S FAREWELL RECEPTION AND INTERNATIONAL FORUM POSTER PRESENTATIONS

Sponsored by Dassault Systèmes

Date: Wednesday, June 27
Location: Salt Palace Convention Center
Time: 5:00 p.m. - 7:00 p.m.

Join your friends and colleagues as we say farewell to Salt Lake City and ASEE President Bevlee Watford while passing the gavel to President-Elect Stephanie Farrell and look forward to Tampa, Fla.

This session will also feature the poster presentations from the International Forum.

You can look through sessions at www.asee.org/68/

Exposition Details

This year’s conference and exposition features an exciting schedule of activities in the Exhibit Hall, including refreshment breaks, product demonstrations, and interactive attractions.

EXPOSITION HOURS
Sunday, June 24 6:00 p.m. - 7:30 p.m.
Monday, June 25 9:30 a.m. - 6:00 p.m.
Tuesday, June 26 8:00 a.m. - 3:00 p.m.

‘FOCUS ON EXHIBITS’ EVENTS
“Focus on Exhibits” events are exclusive; no sessions or other events will be held during these times. This allows attendees to visit the Exhibit Hall floor and provides an excellent networking opportunity in a dynamic atmosphere. The 2018 ASEE Annual Conference will feature more than four hours of “Focus on Exhibits” events, all of which include complimentary food and drinks.

See the Conference Highlights section (above) for details about important events in the Exhibit Hall.

Also of note, our popular Two-Year College Model Design Competition will take place on Monday, June 25, from 9:45 a.m. to 11:15 a.m. during the brunch. In this annual contest sponsored by ASEE’s Two-year College Division, teams of first- and second-year engineering and engineering technology students put robots they have designed and built through a series of challenges.
ABET Sessions

ASEE is pleased to partner again with ABET (formerly the Accreditation Board for Engineering and Technology). The following ABET sessions are being offered at the 2018 Annual Conference:

LISTENING SESSION: ACADEMIC ADVISORY COUNCIL
Date: Sunday, June 24
Location: Room 150 D, Salt Palace Convention Center
Time: 3:00 p.m. – 4:45 p.m.

Are you aware that ABET has an Academic Advisory Council (AAC)? Did you know that the AAC represents all four ABET commissions? Provosts, deans, and chairs from a variety of institutions across the United States 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 listening session will highlight the impactful work of the AAC, review its current initiatives, and invite you to present topics and issues for the AAC to consider working on to make meaningful and helpful changes to ABET’s processes and practices.

ABET ACCREDITATION INFORMATION SESSION 2018
Date: Monday, June 25
Location: Room 150 D, Salt Palace Convention Center
Time: 11:30 a.m. – 1:00 p.m.

If you are new to ABET accreditation or have programs that are seeking ABET accreditation for the first time, this session is for you. Topics include what types of programs are accredited; what the accreditation criteria and procedures are; who writes them; who serves as evaluators and how they are assigned to your program; who makes final accreditation decisions and how; the nature of program evaluator work; the program evaluator selection process; what the accreditation program evaluator "life cycle" provides information for prospective ABET volunteers and covers:
1) ABET’s need for new volunteers
2) The nature of program evaluator work
3) What’s in it for you
4) Threshold requirements for service and the program evaluator selection process
5) Training requirements
6) The program evaluator “life cycle”

During the 2016 Summer Commission Meeting, we received substantial feedback on the Engineering Accreditation Commission’s revised proposal of Criterion 3 (Student Outcomes) and Criterion 5 (Curriculum). This listening session will share the most recent news about these criteria and review engineering educator ideas and input.

HOW TO LEAD THE PREPARATION FOR AN ON-SITE VISIT
Date: Tuesday, June 26
Time: 8:00 a.m. – 9:30 a.m.
Location: Room 150 D, Salt Palace Convention Center

Leading the institutional planning and execution for an on-site ABET visit involves creating an infrastructure of support from many groups of stakeholders. This session features a panel representing both the Engineering and Engineering Technology accreditation commissions and institutional representatives who hosted ABET visits during 2017. Best practices from the viewpoints of both program evaluators and institutional representatives will be of interest to institutional representatives and others preparing for on-site visits.

ABET SESSION - BECOMING A PROGRAM EVALUATOR MIGHT BE FOR YOU!
Date: Tuesday, June 26
Location: Room 150 D, Salt Palace Convention Center
Time: 1:30 p.m. – 3:00 p.m.

Each year, more than 2,000 academic administrators and faculty, industry and government officials, and technical professionals serve as ABET program evaluators, making initial accreditation recommendations and working together to ensure quality in technical education worldwide. This session provides information for prospective ABET volunteers and covers:
1) ABET’s need for new volunteers
2) The nature of program evaluator work
3) What’s in it for you
4) Threshold requirements for service and the program evaluator selection process
5) Training requirements
6) The program evaluator “life cycle”

ADDRESSING THE ‘LEADERSHIP’ REQUIREMENT IN NEW ABET CRITERIA
Date: Tuesday, June 26
Location: Room 259, Salt Palace Convention Center
Time: 1:30 p.m. – 3:00 p.m.

The Accrediting Board for Engineering and Technology (ABET) has revised Criterion 3 (Student Outcomes) and Criterion 5 (Curriculum). These changes will be in effect for all engineering programs having visits in fall 2019. New to Criterion 3 is the inclusion of leadership. If you have an interest in how to prepare for assessment of leadership in your engineering programs, attend this panel of experienced faculty whose programs offer engineering leadership development. Learn what they are doing, and what they and ASEE’s Engineering Leadership Development (LEAD) Division can do to help you prepare. The panel, presented by LEAD and the Engineering Management Division, features speakers Ronald J. Bennett from the University of St. Thomas.

WHAT’S NEW AT ABET 2018?
Date: Tuesday, June 26
Location: Room 150 D, Salt Palace Convention Center
Time: 3:15 p.m. – 4:45 p.m.

ABET representatives will share current activities, findings from the Diversity and Inclusion Committee, and topics that are on the strategy horizon for ABET.

LISTENING SESSION: ALTERNATIVE VISITS
Date: Wednesday, June 27
Location: Room 150 D, Salt Palace Convention Center
Time: 8:00 a.m. – 9:00 a.m.

What might an ABET alternative visit look like in the future? Our learning center facility will serve as a resource for digitally connecting site-visit teams to institutions around the globe as well as utilizing technology to serve smaller institutions that are seeking reaccreditation. Alternative visit solutions could also serve as a tool for globally dispersed evaluation teams. Attend this session to discover current conversations about how ABET might use alternative visit models, expanding our service offerings to existing ABET accredited programs.
Corporate Member Council Industry Day

INDUSTRY DAY: CMC AND CIPD BREAKFAST
Social - Corporate Member Council and College Industry Partnerships Division
Date: Tuesday, June 26
Location: Salon I, Marriott at City Creek
Time: 8:00 a.m. – 9:30 a.m.
Free ticketed event
CMC and CIPD joint breakfast.

INDUSTRY DAY TECHNICAL SESSION 1
Technical - Corporate Member Council
Date: Tuesday, June 26
Location: Room 151 D, Salt Palace Convention Center
Time: 1:30 p.m. – 3:00 p.m.

INDUSTRY DAY TECHNICAL SESSION 2
Technical - Corporate Member Council
Date: Tuesday, June 26
Location: Room 151 D, Salt Palace Convention Center
Time: 3:15 p.m. – 4:45 p.m.

CMC BUSINESS MEETING
Business Meeting - Corporate Member Council
Date: Tuesday, June 26
Location: Room 251 F, Salt Palace Convention Center
Time: 5:00 p.m. – 6:00 p.m.

INSTITUTIONAL COUNCIL RECEPTION
Date: Tuesday, June 26
Time: 7:00 p.m. to 9:00 p.m.
This reception, hosted by the Engineering Deans Council, Corporate Member Council, Engineering Research Council, and Engineering Technology Council, is by invitation only.

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VISIONARY

INNOVATOR

PIONEER

MENTOR

EDUCATOR

Sponsors
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HOST

ABET
Altair Engineering
Amatrol Inc.
American Society of Civil Engineers
American Society of Mechanical Engineers
American Welding Society
Analog Devices Inc.
Arizona State University
ARM Inc.
Armfield Incorporated
ASTM International
Begell House Inc.
Brightwood Engineering Education
Cengage Learning
Clemson University
Conference for Industry and Education Collaboration (CIEC)
CRC Press - Taylor & Francis Group
Dassault Systèmes
Design Assistance Corporation
Desktop Metal
Diligent Inc.
Disney Youth Group Programs
Edison U.S.A. LLC
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Emona Instruments Pty. Ltd.
EngineeringCAS
Festo Didactic Inc.
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Frontiers in Education
Gap Wireless
Granta Design Ltd.
Hampden Engineering Corp.
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IET Inspec
IGI Global
IIE - Council for International Exchange of Scholars
International Council on Systems Engineering
Keysight Technologies
Lucas-Nuelle Inc
Mastercam
MathWorks
McGraw-Hill Higher Education
Microchip Technology Inc.
MIDFIELD/CATME
Minitab Inc.
Morgan & Claypool Publishers
National Instruments
National Science Foundation ATE Centers
North Carolina State University
NVIDIA
Overleaf
Oxford University Press
PASCO Scientific
Pearson Education
Peanut Education
Project Management Institute
Purdue Polytechnic Graduate Programs
Purdue University, West Lafayette (College of Engineering)
Quality Measures
Quanser Consulting Inc.
Rigol Technologies
RoboNation/SeaPerch
Rohde & Schwarz U.S.A., Inc.
SAE International
Siemens Product Lifecycle Management Software Inc.
Siglent Technologies
SMIC International Training Group - U.S.A.
SparkFun Electronics
Spatial Vis & Spatial Kids
SpectraQuest
STMicroelectronics Inc.
Texas A&M University
Texas Instruments Inc.
The American Institute of Aeronautics and Astronautics
The Order of the Engineer
University of Cincinnati
University of Florida
University of Maryland, College Park
University of Utah
U.S. Didactic
Utah State University
Utah State University - Engineering Education
Valparaiso University
Vernier Software & Technology
Virginia Tech
Wiley
Zeiss Industrial Metrology
Zybooks

To view floor plan, please visit https://www.asee.org/mobile/exhibits/6/expo_map

Exhibitors (As of January 31, 2018)

NATIONAL INSTRUMENTS
National Science Foundation ATE Centers
North Carolina State University
NVIDIA
Overleaf
Oxford University Press
PASCO Scientific
Pearson Education
Peanut Education
Project Management Institute
Purdue Polytechnic Graduate Programs
Purdue University, West Lafayette (College of Engineering)
Quality Measures
Quanser Consulting Inc.
Rigol Technologies
RoboNation/SeaPerch
Rohde & Schwarz U.S.A., Inc.
SAE International
Siemens Product Lifecycle Management Software Inc.
Siglent Technologies
SMIC International Training Group - U.S.A.
SparkFun Electronics
Spatial Vis & Spatial Kids
SpectraQuest
STMicroelectronics Inc.
Texas A&M University
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University of Cincinnati
University of Florida
University of Maryland, College Park
University of Utah
U.S. Didactic
Utah State University
Utah State University - Engineering Education
Valparaiso University
Vernier Software & Technology
Virginia Tech
Wiley
Zeiss Industrial Metrology
Zybooks

To view floor plan, please visit https://www.asee.org/mobile/exhibits/6/expo_map
REGISTRATION FEES

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<thead>
<tr>
<th>Rate Type 2018</th>
<th>Early ends 04/09</th>
<th>Advance 04/10 - 05/28</th>
<th>Regular 05/29</th>
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INCLUDED IN YOUR REGISTRATION

- Taste of Salt Lake
- Division Mixer
- Exposition & Focus on Exhibits Events
- Plenaries
- Technical Sessions
- President’s Farewell Reception

*AUTHORS
Please be advised all registration fees must be processed by ASEE Headquarters on or before April 9, 2018, at Midnight EST or your paper will be withdrawn. Please review the online Author's Kit for more details.

*CHILDREN
Children under 12 are admitted FREE to the Exhibit Hall, but they must be accompanied by a registered adult at all times.

**INDUSTRY DAY
The Industry Day rate is only available to members of industry who otherwise would not attend the ASEE Annual Conference and is valid only for Tuesday, June 26, 2018. ASEE members and authors/coauthors are not eligible.

K-12 TEACHERS
$250 for a one-day registration.
K-12 teachers are eligible for a one-day FREE Exhibit Hall Pass. School ID is required.

MILITARY
Active and retired military are eligible for a one-day FREE Exhibit Hall Pass. Military ID is required.

ASEE MEMBERSHIP
Please be advised that the nonmember professional rate DOES NOT include a one-year ASEE membership. The ASEE membership rates are as follows:
1. U.S. $100 for United States residents
2. U.S. $99 for Canadian residents
3. U.S. $114 for all other countries
4. U.S. $89 for online membership only

CANCELLATION POLICY
Registration and ticket cancellations must be made in writing and received by ASEE-Convention & Seminar Corp. via mail (1818 N Street NW, Suite 600, Washington, DC 20036); Phone: (202) 649-3829; Fax: (202) 265-8504; E-mail: registrar@asee.org on or before Sunday, June 3, 2018. A $50 processing fee will apply to all cancellations.
On-site refunds of any ticketed events cannot be honored. There are no exceptions to this policy.

If you require an ADA accommodation in order to attend, please e-mail us at conferences@asee.org.

HOUSING LOCATIONS AND INFORMATION

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Single</th>
<th>Double</th>
<th>Triple</th>
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<tbody>
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</tbody>
</table>

*Please note: Reservations cannot be made directly with the hotel. We will be using a housing bureau to make reservations.

INFORMATION FOR HOTEL RESERVATIONS
ASEE has negotiated discounted hotel rates for ASEE attendees. You must make your hotel reservation through Orchid Events. Hotel reservations are taken on a first-come, first-served space-available basis. Submit your request as soon as possible for the best opportunity of receiving your hotel choice.

DEADLINE
All reservations must be received by May 21, 2018, to guarantee availability and conference rates. After this date, reservations will be made based on availability, and hotels may charge higher rates.
WAYS TO BOOK HOTEL RESERVATIONS

Online: Go to https://aws.passkey.com/event/49562169/owner/1418/home for a new reservation OR to modify or cancel an existing hotel reservation.
Telephone: Agents available 7:00 a.m. to 6:00 p.m. Mountain Standard Time, Monday through Friday.
Toll-free: (U.S.): 833-560-5742
International: +1 801-715-4410

DEPOSIT

All reservation requests must be accompanied by a credit card guarantee or check equaling the amount of one night’s room and tax for each room reserved. Your credit card WILL NOT BE CHARGED during this initial stage and will be held as a GUARANTEE only.

ACKNOWLEDGMENTS

Orchid Events will send reservation acknowledgments within 24 hours via e-mail if booked online or by telephone; fax and mail acknowledgments will be sent within 72 hours of receipt. If you do not receive your acknowledgment in this time frame, contact Orchid Events. You will not receive a written confirmation from the hotel.

CANCELLATIONS & CHANGES

Deposit of one night’s room and tax will be forfeited entirely if cancellation occurs within 72 hours of arrival date. Through June 14, 2018, changes and cancellations can be made online or by contacting Orchid Events via e-mail at help@orchid.events. After June 14, 2018, contact your hotel to make changes and/or cancellations.

QUESTIONS OR SPECIAL REQUESTS?

For questions or special requests, please contact Orchid Events at 833-560-5742 or e-mail to help@orchid.events. Special requests are not guaranteed. Hotels will assign specific room types upon check-in, based on availability.

HOTEL SUITES

If you are interested in booking a hotel suite, please e-mail help@orchid.events. There are a limited number available at a discounted rate for ASEE attendees.
Future ASEE Annual Conferences

2019
June 16 – 19
TAMPA, FLORIDA

2020
June 21 – 24
MONTREAL, QUEBEC

2021
June 27 – 30
LONG BEACH, CALIFORNIA

2022
June 26 – 29
MINNEAPOLIS, MINNESOTA

2023
June 25 – 28
BALTIMORE, MARYLAND