Following the successful response to 2015’s inaugural Best Diversity Paper awards, we are pleased to continue the effort this year. The call for nominations went out in early 2018 and sought to identify highly impactful efforts by ASEE authors that broaden participation and influence the inclusive, diverse future of engineering. Papers from the 2018 Annual Conference as well as papers published within any section/zone conference proceedings between May 1, 2017 and April 30, 2018 were eligible. Nominated diversity papers were assessed for novelty of approaches, ideas, interventions, extent of inclusivity, and demonstrated magnitude of impact. This year the committee received 18 nominations from across the zones and divisions.

The Best Diversity Paper rubric (http://diversity.asee.org/DiversityPaperRubric) was utilized by a selection committee to assess scholarship attributes of the manuscript and determine the finalists. This year, the committee has identified 5 finalists who will present their work at the Best Diversity Paper Session (Room 150E, Convention Center - Salt Palace) during the Annual Conference on Monday, June 25th at 1:30 pm (Session ID: M4112).

The finalists are listed below. Join us in hearing about the efforts being led by our colleagues to positively impact diversity and inclusion in engineering education! The presentations will help the committee identify the winning work.

<table>
<thead>
<tr>
<th>Paper Title</th>
<th>Division/Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diversity and Inclusion in Electrical and Computer Engineering: Students’ Perceptions of Learning and Engaging with Difference by Sean Eddington, Carla B. Zoltowski, Andrew O. Brightman, Rucha Joshi, Patrice Marie Buzzanell, and David Torres (all of Purdue University)</td>
<td>Liberal Education/ Engineering &amp; Society Division</td>
</tr>
<tr>
<td>Effects of Research and Internship Experiences in Engineering Task Self-efficacy on Engineering Students through an Intersectional Lens by Abisola Kusimo (Stanford University), Marissa Thompson (Stanford University), Sheri Sheppard (Stanford University), and Sara Atwood (Elizabethtown College)</td>
<td>Minorities in Engineering Division</td>
</tr>
<tr>
<td>The Power of Peer Mentoring of Undergraduate Women in Engineering: Fostering Persistence through Academic and Social Integration by Jennifer A Gatz, Dr. Angela M Kelly, and Dr. Monica Bugallo (all of Stony Brook University)</td>
<td>Women in Engineering Division</td>
</tr>
<tr>
<td>Gender, Motivation, and Pedagogy in the STEM Classroom: A Quantitative Characterization by Jonathan D. Stolk (Olin College), Yevgeniya V. Zastavker (Olin College), and Michael D Gross (Wake Forest University)</td>
<td>Educational Research and Methods Division</td>
</tr>
<tr>
<td>Uncovering Latent Diversity: Steps Towards Understanding 'What Counts' and 'Who Belongs' in Engineering Culture by Brianna Shani Benedict, Dina Verdin, Rachel Ann Baker, Allison Godwin, and Thaddeus Milton (all of Purdue University)</td>
<td>ASEE Diversity Committee</td>
</tr>
</tbody>
</table>
The theme for the 2018 ASEE Annual conference is “125 Years at the Heart of Engineering Education”. Taking inspiration from this theme, the Diversity Committee partnered with the Student Division to solicit student essay and video submissions focusing on diverse engineering teams, because teamwork is at the heart of engineering. The call went out to students at all levels, including P-12, undergraduate, and graduate, and we received a wide variety of entries at all levels. A number of entries from our youngest aspiring engineers described the engaging team projects that P-12 teachers are using to teach engineering concepts in schools, while those entries from undergraduate and graduate students highlighted challenges and opportunities of working across differences in culture, gender, country of origin, and more.

We are pleased to share the winners of the contest. The winning entries and other entries as well as information about the contest can be found on the diversity website: [http://diversity.asee.org/essay-contest](http://diversity.asee.org/essay-contest).

### WINNERS OF THE STUDENT VIDEO/ESSAY CONTEST

by the ASEE Diversity Committee

<table>
<thead>
<tr>
<th>Entry Title</th>
<th>By:</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Place: Transforming Differences to Resources</td>
<td>Cassandra Woodcock, Graduate Student, University of Michigan</td>
</tr>
<tr>
<td>This essay describes a time where cultural diversity caused tension in an engineering team, and how the members of the team overcame cultural differences to create a successful design project. It highlights the importance of conflict resolution in diverse teams.</td>
<td></td>
</tr>
<tr>
<td>Second Place: Diverse Teams Include Intended Audience: Lessons Learned Designing Camp for Liberian Undergraduates</td>
<td>Jill Wenderott, Graduate Student, University of Michigan</td>
</tr>
<tr>
<td>This essay describes a team of which I was part that implemented a professional and academic development camp for female Liberian engineering undergraduates at the University of Liberia in August 2017.</td>
<td></td>
</tr>
<tr>
<td>Third Place: The secret to a successful team: Teamwork, Leadership, and Communication</td>
<td>Julio Alonzo, Undergraduate Student, University of Houston</td>
</tr>
<tr>
<td>A video regarding my experiences of teamwork and communication throughout my College Career.</td>
<td></td>
</tr>
</tbody>
</table>

Apply Now for the 2018 GEDC Airbus Diversity Award for Engineering Education!

A global award for projects that inspire students from all profiles and backgrounds to study and succeed in engineering.

The 2018 award will be given to the project that demonstrates the best use of technology to enhance diversity in engineering education.

Airbus Group is a corporate member of the GEDC (Global Engineering Deans Council). This is a leading global organization whose members are individuals responsible for setting the agenda for higher education in engineering in their countries and universities.

[www.company.airbus.com/diversityaward](http://www.company.airbus.com/diversityaward)
Diversity Track and Best Diversity Papers - This year we continue to have our Diversity Paper Track, featuring 5 sessions as well as a session providing an overview of the activities of the diversity committee. In addition the Best Diversity Papers session highlights papers selected for this award from submissions across the entire conference as well as at regional and zone conferences in the past year. The presentations, in combination with their paper review scores, will be used to select the 2018 Best Diversity Paper for the conference.

Distinguished Lecture - In 2015, the very conservative Salt Lake City elected its second female, and first openly gay, mayor. Mayor Jackie Biskupski 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 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. 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. (Session ID: W2112, 9:45 am, Wed, June 27, Room 155 E, Convention Center - Salt Palace.)

Workshops, Panels and Interactive sessions - Programming includes a panel discussion on Impacts of Sexual Harassment in Academic Science, Engineering and Medicine, an interactive session on helping students learn about privilege and the role engineering plays/can play in reinforcing or dismantling that privilege and a workshop on Inclusive Teaching in Engineering Classrooms.

Roundtable on Diversity, Equity and Inclusion - Bring your voice to the table. We will have multiple topics for small groups to discuss. Come ready to listen, learn and contribute. We will provide an opportunity to plan for next steps that we all can take to support diversity and inclusivity in engineering.

Safe Zone Ally Training - Safe Zone Ally Training is a two-part interactive workshop for students, faculty, and the professional community, during which participants will build the knowledge and skills needed to create a more inclusive and affirming environment for LGBTQIA (lesbian, gay, bisexual, transgender, queer or questioning, intersex or asexual) individuals in engineering. In Level 1, participants will focus on understanding LGBTQIA concepts and identity development, creating an inclusive environment, and becoming an ally. In level 2, participants will discuss aspects of engineering culture that act as barriers to LGBTQIA equality, explore heterosexual and cisgender privilege, and learn to recognize bias and disrupt discrimination. Our Deep Dive Inclusion workshop will focus on supporting transgender students and colleagues.

Diversity Pavilion - Stop by the diversity pavilion in the exhibit hall to meet members of the Diversity Committee and learn about our resources.

Accessibility Resources at the Conference - This year, for the first time, the conference is pleased to offer a variety of accessibility resources to help broaden participation including scooter rental, childcare, closed captioning for plenaries, gender neutral bathrooms and a mothers’ room. Full details at https://www.asee.org/conferences-and-events/conferences/annual-conference/2018/travel/onsite-services.

The committee gratefully acknowledges all the divisions that are co-sponsoring sessions at the meeting this year.
ASEE DIVERSITY COMMITTEE

2017-2018 Committee Members

The ASEE Diversity Committee is a standing committee reporting to the ASEE Board of Directors through the Chair. We meet monthly to identify, implement, and oversee the actions associated with the ASEE Diversity Strategic Plan. We welcome your feedback about diversity-related engineering education issues and topics. Please contact any of our committee members with your questions or concerns.

Chair
Eric Specking, especki@uark.edu
University of Arkansas

Vice Chair
Becky Bates, rebecca.bates@mnsu.edu
Minnesota State University, Mankato

Past Chair
Stephanie Farrell, farrell@rowan.edu
Rowan University

Corporate Member Council Representative
Nancy Martin, nancy@nancymartin.com
General Electric Global Research

Corporate Member Council Representative
Sharif Yousufzai, ssyso@chevron.com
Chevron Corporation

Engineering Deans Council Representative
Yannis C. Yortos, yortso@usc.edu
University of Southern California

Engineering Technology Council Representative
Carol Lamb, cmlamb@ysu.edu
Youngstown State University

Women in Engineering Division Representative
Debbie (Gilbuena) Friedrichsen, ambitious.engineer@gmail.com
MJ Innovations, LLC.

K-12 Division Representative
Susan Walden, susan.walden@ou.edu
University of Oklahoma

Minorities in Engineering Division Representative
Darryl N. Williams, darryl.Williams@Tufts.edu
Tufts University

Member-at-Large
Olga Pierrakos, pierrao@wfu.edu
Wake Forest University

Member-at-Large
Kristen Constant, constant@iastate.edu
Iowa State University

Member-at-Large
Daryl Chubin, daryl.chubin@comcast.net
Understanding Interventions

Representative from Engineering Diversity Organization
Chris Carr, ccarr@nsbe.org
National Society of Black Engineers

Headquarters Staff Representative Staff Liaison
Rocio C. Chavela Guerra, r.chavela@asee.org
ASEE

Vice President Member Affairs (Ex Officio)
Grant Crawford, bobby.crawford@quinnipiac.edu
Quinnipiac University

Diversity Committee Delegates

Ex-officio individuals from divisions/zones/sections that have dedicated diversity statements in their bylaws.

Aeronautics Division
Sharan Asundi
Northwestern University

Chemical Engineering Division
Shannon Ciston
University of California, Berkeley

Electrical and Computer Engineering
Hossein Mousavinezhad
Idaho State University

Engineering Economy Division
Eric Jones
University of Texas at Arlington

Engineering Ethics Division
Jennifer Karlin
Minnesota State University, Mankato

Engineering Libraries Division
Rebecca Orozco
University of Kansas

Engineering Management Division
Ona Egbue
University of South Carolina Upstate

Entrepreneurship and Engineering Innovation Division
Eric James
University of Southern Maine

Environmental Engineering Division
Fethiye Ozis
Northern Arizona University

External Committees
Teri Reed
University of Cincinnati

Industrial Engineering Division
Glenda Young
Virginia Tech

LGBTQ Inclusion
Brian Kirkmeyer
Miami University

Liberal Education/Engineering & Society Division
Donna Riley
Virginia Tech

Mathematics Division
Janet Callahan
Boise State University

Mechanical Engineering Division
Sriram Sundararajan
Iowa State University

Minorsites in Engineering Division
Canek Phillips
Rice University

New Engineering Educators Division
Colleen Bronner
University of California, Davis

Pre-College Engineering Education Division
Morgan Hynes
Purdue University

Systems Engineering Division
Frederica Robinson-Bryant
Embry Riddle Aeronautical University

Headquarters Staff
Alexandra Longo
ASEE

Primary Point of Contact

Rocio Chavela
ASEE Headquarters
1818 N. Street NW, Suite 600
Washington, DC 20036
(202) 350-5766 diversity@asee.org