ASEE Diversity Committee Newsletter, Issue No. 3, Spring 2015

Best Diversity Papers
Read about the winners of the inaugural Best Diversity Papers. Descriptions and process are highlighted.

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Microinequities Webinar
Special offer for ASEE members.

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Diversity Committee Welcomes Delegates
This year’s delegates to the committee from divisions and sections around ASEE.

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Year of Action on Diversity
Sessions at the 2015 Annual Conference
Slate of sessions focusing on diversity and inclusion ranging from round table discussions and panels to presentations of Best Diversity papers.

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ASEE Diversity Committee: Who we are and how you can contact us with your thoughts.

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As part of the activities of the Year of Action on Diversity, the diversity committee, with monetary support from the Mechanical Engineering Division, announced a call for nominations for Best Diversity Paper in early 2015 (http://diversity.asee.org/awards). The call sought to identify highly impactful efforts by ASEE authors that broaden participation and influence the inclusive, diverse future of engineering. Papers from the 2015 Annual conference as well as papers published within any section/zone conference proceedings between May 1, 2014 and April 30, 2015 were eligible. Nominated diversity papers were assessed for novelty of approaches, ideas, interventions, extent of inclusivity, and demonstrated magnitude of impact.

The Best Diversity Paper rubric (http://diversity.asee.org/DiversityPaperRubric) was utilized by an ASEE Diversity Selection Committee to assess scholarship attributes of the manuscript and determine the winners.

The winners are listed below and will present their award winning work during a Best Diversity Papers session at the annual meeting (Monday, June 12:30 - 2 pm, Washington State Convention Center, Room 309). Come join us and celebrate their contributions!

<table>
<thead>
<tr>
<th>Rank</th>
<th>Paper Title</th>
<th>Division/Zone</th>
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<tbody>
<tr>
<td>1st Place</td>
<td><strong>Creating Inclusive Environments in First-Year Engineering Classes to Support Student Retention and Learning</strong> by Dr. Christina H. Pacheco (Colorado State University), Dr. Rebecca A. Atadero (Colorado State University), Dr. Karen E. Rambo-Hernandez (West Virginia University), and Jennifer Francis (West Virginia University)</td>
<td>First-year Programs</td>
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<td>2nd Place</td>
<td><strong>Into the pipeline: A freshman student’s experiences of stories ‘told’ about engineering</strong> by Mr. Michael Brewer (Affiliation unknown), Dr. Nicola Sochacka (University of Georgia), and Dr. Joachim Walther (University of Georgia)</td>
<td>Liberal Education/Engineering &amp; Society</td>
</tr>
<tr>
<td>3rd Place</td>
<td><strong>Leadership, Management, and Diversity: Missed Opportunities within Student Design Competition Teams</strong> by Dr. Susan E. Walden (University of Oklahoma), Ms. Cindy E. Foor (University of Oklahoma), Dr. Rui Pan (University of Oklahoma), Dr. Randa L. Shehab (University of Oklahoma), and Dr. Deborah A. Tryrten (University of Oklahoma)</td>
<td>Mechanical Engineering</td>
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<tr>
<td>4th Place</td>
<td><strong>Students Seeking Different Paths to Entrepreneurial Education</strong> by Dr. Sergio Celis (Universidad de Chile) and Dr. Aileen Huang-Saad (University of Michigan)</td>
<td>Entrepreneurship &amp; Engineering Innovation</td>
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<tr>
<td>5th Place</td>
<td><strong>Changes in Latino/a Adolescents’ Engineering Self-Efficacy and Perceptions of Engineering After Addressing Authentic Engineering Design Challenges</strong> by Dr. Joel Alejandro Mejia (West Virginia University), Mr. Dustin Drake (Utah State University), and Dr. Amy Wilson-Lopez (Utah State University - Teacher Education and Leadership)</td>
<td>K-12 and Pre-College Engineering</td>
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<td>6th Place</td>
<td><strong>The Summer Undergraduate Research Bridge Experience for Community College Students: Providing Connections from Community College to the Four-Year Institution</strong> by Ms. Jeanne R. Garland (New Mexico State University), Ms. Michele A. Auzenne (New Mexico State University), and Dr. Ricardo B. Jacquez (New Mexico State University)</td>
<td>Multidisciplinary Engineering</td>
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Best Diversity Papers
by Sriram Sundararajan

http://diversity.asee.org/
ASEE MEMBERS SPECIAL OFFER

Many leaders have come to recognize that the most important skills of leadership go well beyond the obvious operational, technical or intellectual skills. Research, first conducted at MIT, has revealed the power “MicroMessages” have on establishing the ways we achieve loyalty, engagement and directly influence the performance of colleagues and direct reports. Our lack of awareness of this higher level skill often leaves us asleep in the fire. Leave the warm and fuzzy behind and embrace the power MicroMessages have on the hard-wired link to performance. Experience this Webinar and learn why more than 20% of the Fortune 500 and nearly 300 corporations in 35 countries have embraced this method as a central platform for management development and effectiveness.

Retail: $150.00
Visit http://insightestore.com/MicroInequitiesWebinar/ for more information and to purchase.

Student essay and video contest - win cash prizes!

Current engineering and engineering technology students, tell us your story or share your perspectives by submitting a 3 - 5 min. video or a 300-500 word essay on topics related to any type of diversity. Visit http://diversity.asee.org/essay-contest for submission details and additional information.

Diversity committee welcomes nine delegates

The ASEE Diversity Committee extended invitations to divisions/zones/sections that have dedicated diversity statements in their bylaws to nominate delegates. These ex officio individuals were invited to serve on the committee as a non-voting delegates for a one-year term, with the opportunity to participate in the idea/creation process, shaping future policies, and enhancing communication between the ASEE Diversity Committee and the delegate’s group. This year’s delegates are listed below.

Chemical Engineering Division
P. Arthur Felse
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Engineering Ethics Division
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Entrepreneurship & Engineering Innovation Division
Nathalie Duval-Couetil
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Mechanical Engineering Division
Sriram Sundararajan
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Systems Engineering Division
Alice Squires
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Washington State University
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Women in Engineering Division
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Southeast Section
Michael A. Matthews
Professor of Chemical Engineering
Associate Dean for Research & Graduate Education
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The ASEE Diversity Committee extended invitations to divisions/zones/sections that have dedicated diversity statements in their bylaws to nominate delegates. These ex officio individuals were invited to serve on the committee as a non-voting delegates for a one-year term, with the opportunity to participate in the idea/creation process, shaping future policies, and enhancing communication between the ASEE Diversity Committee and the delegate’s group. This year’s delegates are listed below.
2015 ANNUAL CONFERENCE — Seattle  DIVERSITY SESSIONS

This year’s annual conference features a rich slate of sessions focusing on diversity and inclusion ([www.asee.org/documents/conferences/annual/2015/diversity_sessions.pdf](http://www.asee.org/documents/conferences/annual/2015/diversity_sessions.pdf)) ranging from round table discussions and panels to presentations of the Best Diversity Papers described earlier on Page 1.

**Best Diversity Papers:** The Best Diversity Paper winners will present their work at this session. Please note that the Best Diversity Paper is a completely separate process from the Best Paper selection process run by the PIC chairs at the Annual Conference. Please join us for the best of the best papers on all aspects of diversity!

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<tr>
<th>Monday, June 15</th>
<th>Tuesday, June 16</th>
<th>Wednesday, June 17</th>
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<tr>
<td>7:00 am to 8:30 am Safe Zone/Positive Space Ally Training 1 (Level 1)</td>
<td>7:00 am to 8:30 am Safe Zone/Positive Space Ally Training 2 (Level 1)</td>
<td>7:00 am to 8:30 am Safe Zone/Positive Space Ally Training 6 (Level 1)</td>
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<td>8:45 am - 10:15 am Round Table Discussions on Diversity &amp; Inclusivity</td>
<td>8:45 am to 10:15 am Turning Points Panel: Addressing Diversity-Related Challenges</td>
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<td>12:30 pm to 2:00 pm Best Diversity Papers Session</td>
<td>12:30 pm to 2:00 pm Safe Zone/Positive Space Ally Training 7 (Level 2)</td>
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<td>2:15 pm to 3:45 pm Cognitive Diversity: Peering into the Black Box</td>
<td>2:15 pm to 3:45 pm Safe Zone/Positive Space Ally Training 3 (Level 1)</td>
<td>2:15 pm to 3:45 pm Panel: The Microaggressions Experienced by Non-traditional Marginalized Groups in Engineering</td>
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<tr>
<td>4:00 pm to 5:30 pm Safe Zone/Positive Space Ally Training 4 (Level 2)</td>
<td>4:00 pm to 5:30 pm Safe Zone/Positive Space Ally Training 8 (Level 1)</td>
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<tr>
<td>5:45 pm to 7:15 pm Safe Zone/Positive Space Ally Training 5 (Level 1)</td>
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Cognitive Diversity (Speaker: Russell Korte, Colorado State University) - Having the capability to apply a greater variety of views to a decision should lead teams to better-informed decisions and greater capacity for problem solving. This Special Session will help participants explore two important questions: 1) What comprises cognitive diversity? and 2) How does cognitive diversity affect performance of decision-making and problem solving?

Roundtable on Diversity and Inclusivity (Moderator: Rebecca Bates, Minnesota State U, Mankato) - Join us in celebrating the year of diversity by bringing 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 all can take to support diversity and inclusivity in engineering.

Turning Points Panel: Addressing Diversity-related Challenges (Moderator: Alice Squires) - The purpose of this panel is to have an open discussion of a diversity-related challenge that each panel member has faced that became a turning point in his or her life. Panel members will take turns describing their specific situation, what they and others did to address the challenge, what happened as a result of the actions taken, the final outcome, the takeaway from the experience, and how the diversity-related challenge ultimately changed his or her life. The panel member discussions will be followed by an open discussion focusing on lessons learned and positive steps for moving forward.

Panel on Microaggressions (Moderator: Odesma Onika Dalrymple) - Many individuals from non-traditional marginalized groups continue to perceive the climate as hostile and un-welcoming, which negatively affects their retention or persistence in the field. The goal of this panel is to expand the conversation on diversity in engineering by presenting narratives on the experience of these non-traditional marginalized groups. This dialogue is expected to help faculty and administrators develop a better awareness and understanding of the issues and challenges of nontraditional marginal groups on a day-to-day basis, and be equipped to address them in a positive, proactive manner.

Safe Zone Ally Training Sessions: Creating a Positive and Inclusive Campus Environment for LGBTQ People: The perception of campus environment influences learning and developmental outcomes, and discriminatory environments have a negative effect on student learning. LGBTQI (lesbian, gay, bisexual, transgender, queer or questioning, or intersex) people have a more negative perception of campus climate than other populations. Safe Zone Ally Training is a two-part interactive workshop for students, faculty, and the professional community during which participants will build knowledge and skills to create a more inclusive and affirming environment for LGBTQI individuals in engineering. In Level 1 participants will focus on understanding LGBTQI concepts and developing awareness of biases. In level 2, participants will learn to reduce discrimination and heterosexual privilege and explore aspects of engineering culture that act as barriers to LGBTQI equality. There will be 8 safe zone training sessions throughout the conference.

The diversity committee acknowledges the gracious support of the following divisions for co-sponsoring various sessions.

- Chemical Engineering Division
- Engineering Ethics Division
- Engineering Libraries Division
- Engineering Physics and Physics Division
- Student Division

**Year of Action on Diversity**
2014-2015 Committee Members

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

Diversity Committee Co-Chair
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Vice President Member
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Adrienne Minerick — Co-Chair