

Wednesday, March 18, 2020 7:00p.m. - 8:30 p.m.

A Networking Panel to Promote Pathways for Diversity in Industry

“Diversity in Thought” is no longer Corporate Social Responsibility (CSR) speak, it is a proven enabler of more innovative solutions to tough problems. SEMI-THERM is strategically located both in terms of its attendee demographic and strategic position in the Bay Area to attract a diverse pool of future technical leaders in our field. The assembled panelists are a combination of technical and business leaders from varying backgrounds with diverse experiences that have made them who they are. If you are a student or young professional needing guidance for how to navigate a technical landscape where you feel out of place, then this panel will be an incredible learning experience for you. If you are a hiring manager at a company looking to expand the strength of your talent pool, then these panelists will give you the tools to help your company motivate, inspire, promote, and develop that diverse group of engineers needed to tackle your company’s toughest problems. Workplace diversity will lead to better bottom lines. These panelists will help you understand how diversity in the workplace leads to more innovative and cost-effective solutions.

Moderator - Joshua Gess Oregon State University



Dr. Joshua Gess is an Assistant Professor at Oregon State University (OSU) in Thermal Fluid Sciences. He is the coach of the OSU Rolling Beavers Wheelchair Basketball Team and a former MVP of the Auburn University Wheelchair Basketball Team. Dr. Gess is also the co-Founder of the Leading and Enabling Adolescent Futures in STEM (LEAFS) program which adapts engaging scientific activities to maximize the educational impact to young people with disabilities. For four years, he has been a Christopher Reeve Foundation Peer Mentor, a program designed to help people with disabilities acclimate to life after a spinal cord injury (SCI). He has been a strong advocate for inclusion of those with disabilities in STEM fields, particularly given the significant improvement in quality of life these careers can have for those with limited lower or upper limb mobility impairments.

Panelists



Lauren Boteler has nearly 20 years of experience in interdisciplinary design optimization and project management experience. Her research into electromechanical co-design methods have changed the way packaging engineers/researchers at the ARL have approached interdisciplinary coordination. For a panel that seeks to promote inclusive and collaborative work, Lauren’s experience in developing high performance products using integrated teams will be invaluable insight to pass along to the audience.



Nan Boden is the Chief Operating Officer of X Development (formerly Google X). She was the Head of Global Technology Partnerships at Google Cloud, Director of Engineering at Google, and CEO of Myricom for 19 years. For the many aspiring technical leaders in the audience from diverse backgrounds, she will be a blueprint for how to make an impact in the community.

Panelists



Rahima Mohammad has been a constant at thermal management conferences for nearly 30 years. In 2015, Rahima was the recipient of the Society of Women's Engineering (SWE) Prism awarded given to "an individual who has charted her own path in STEM fields by demonstrating a variety of career leadership activities in a technical field." The attendees need to hear from a trailblazer, and Rahima has shown creative staying power over an impactful career in the electronics cooling community. Rahima has also authored over 100 Intel internal publications and holds five patents.



Amy Fleischer is the Dean of the College of Engineering at California Polytechnic State University. Prior to Cal Poly, she was the Mechanical Engineering School Head at Villanova University. Amy is respected across the community for her leadership and technical contributions. Most notably she advanced the field of energy storage with high performance Phase Change Materials (PCMs) as well as producing several publications as a PI in the NSF funded Energy Smart Electronics (ES2) I/UCRC. Amy is also regarded as one of the most accessible people in our community, so her involvement on the panel could serve as an inspiring spark to underrepresented minorities who are seeking academic and/or STEM leadership positions.



Adriana Rangel is a thermal engineer at Cisco with over 15 years of CFD analysis and experimental testing experience with a wide range of products. She was the SEMI-THERM conference chair in 2019 and is a regular contributor to Electronics Cooling magazine. As an engineering manager, Adriana has committed herself to mentorship, training young engineers on the practical uses of CFD in electronics packaging and thermal management. She will provide perspective to diverse panel attendees who are seeking to develop mass produced consumer products at low cost and high reliability.



Pablo Hidalgo is the current chair of SEMI-THERM with over 20 years of experience in fielded liquid cooling solutions at Aavid Thermacore and AMD. Pablo's research blazed the trail for embedded thermal management solutions. His industry experience has brought many of these cutting edge technologies to market. Pablo will be able to provide mentorship to young engineers struggling with how new ideas are formed into mass produced systems. Pablo will be able to provide energetic motivation to driven Hispanic engineers in hopes of increasing representation of this ethnic group beyond the paltry 8% currently accepted in the tech work force.



Genevieve Martin has been an active participant in the SEMI-THERM community for over a decade. She was the general chair in 2014 and has made significant contributions to the conference planning and technical committees. Her research has focused on packaging and quality of high performance energy-efficient LED's over a long career at Phillips, Delphi4LED, and Signify. Currently residing in the Netherlands, Genevieve also adds a much needed international presence to the panel.