

SESHA Schedule – 2022 Annual Symposium

MONDAY	
1:00 pm-5:00 pm	PDC #1 – Silane/Disilane Safety. <i>Eugene Ngai. Mohave I</i>
1:00 pm-5:00 pm	PDC #2 – Nanoparticles in Occupational Environment: Insights for Detection, Modeling and Risk Assessment. <i>Andrey Korchesvskiy, Daniel Hall, Matthew Hull, Cary Hill, Steve Trammell. Mohave II</i>
1:00 pm-5:00 pm	PDC #3 – S2 Breakdown!! - How to critically review the key sections of an S2 Report. <i>Chris Evanston, John Visty. Mohave III</i>
3:00 pm-5:30 pm	Registration. Silverman Foyer
8:00 am-5:00 pm	Registration. Silverman Foyer
8:30 am-9:15 am	Opening Ceremony. <i>Matt Wyman (Outgoing SESH President). Mohave I & II</i>
9:15 am-10:15 am	Keynote Presentation. <i>The Silver Lining in the COVID Cloud. Jeff Donnell. Mohave I & II</i>
10:00 am-7:00 pm	Exhibits. Kiva I-Paloma III
10:15 am-10:45 am	Break. <i>Sponsored by Edwards. Kiva I-Paloma III</i>
10:45 am-11:30 am	Concurrent Sessions
11:30 am-1:00 pm	Complimentary Lunch - Raffle Ticket Distribution. <i>Sponsored by DOD Technologies. Kiva I-Paloma III</i>
1:00 pm-3:00 pm	Concurrent Sessions
3:00 pm-3:30 pm	Break - Raffle Ticket Distribution. <i>Sponsored by Ebara. Kiva I-Paloma III</i>
3:30 pm-5:00 pm	Concurrent Sessions
5:00 pm-7:00 pm	Opening Reception - Raffle Ticket Distribution & Raffle Drawing. <i>Sponsored by Airgard. Kiva I-Paloma III</i>
TUESDAY	
Mohave I & II	
FTIR	
10:45 am	Applying FTIR multi-gas measurement technology to solving fab air quality issues. <i>Jim Cornish</i>
Fiesta I & II and Coronado I & II	
ROUND TABLE	
1:00 pm	The 7 Deadly Sins of Environmental Compliance
Mohave III	
FIT TEST	
10:45 am	Quantitative vs Qualitative Fit Testing - Understanding the gaps in your fit test systems. <i>Dylan Staack</i>
SUSTAINABILITY	
1:00 pm	Using an ISO 50001 Energy Management Systems Framework to Support GHG and Carbon Strategies via Life Cycle Assessment. <i>Melita Elmore</i>
1:45 pm	ESG Imperatives for the Semiconductor Industry. <i>Monica Wright</i>
2:15 pm	Implementation of an energy and resource saving solution for the subfab. <i>Joe Van Gompel</i>
THE HUMAN FACTOR	
3:30 pm	Situational Awareness for Environmental Safety & Health Professionals. <i>Richard B. Gasaway</i>
4:15 pm	Understanding Human Error During Investigations. <i>Richard B. Gasaway</i>
ROUND TABLE	
3:30 pm	The 7 Deadly Sins of Environmental Compliance
ABATEMENT	
3:30 pm	Emission Control from Semiconductor Wafer Fabrication. <i>Scott Bayon</i>
4:00 pm	Direct Water Reuse in PoU Gas Abatement applications. <i>Joerg Winter</i>
4:30 pm	Benefits of Application Specific Abatement Strategy and Subtool Design. <i>Justin Weinstein</i>
WEDNESDAY	
6:00 am	Camelback Hike. Off-site
8:00 am-4:00 pm	Registration. Silverman Foyer
8:30 am-9:30 am	Keynote Presentation. <i>Tech Fusion: Incorporating the Latest Cutting Edge Technologies into EHS. Xavier Alcaraz, Dale Goss. Mohave I & II</i>
9:00 am-4:00 pm	Exhibits. Kiva I-Paloma III
9:30 am-10:00 am	Break - Raffle Ticket Distribution. <i>Sponsored by CS Clean Solutions. Kiva I-Paloma III</i>
10:00 am-11:30 am	Concurrent Sessions
11:30 am-1:00 pm	Complimentary Lunch - Raffle Ticket Distribution & Raffle Drawing. <i>Sponsored by Centrotherm. Mohave Terrace</i>
1:00 pm-3:00 pm	Concurrent Sessions
3:00 pm-3:30 pm	Break - Raffle Ticket Distribution & Raffle Drawing. <i>Sponsored by Edwards. Kiva I-Paloma III</i>
3:30 pm-5:00 pm	Concurrent Sessions
Mohave I & II	
GAS DETECTION	
10:00 am	Advancements In Colorimetric Gas Detection Technology. <i>Brad Dyer</i>
10:30 am	Mass Spectrometry for Life Safety Systems (LSS). <i>Mark Sherrett</i>
11:00 am	Evaluating Oxygen Deficiency and Toxic Gas Hazards Using CFD Modeling. <i>Daniel Hall, Steve Trammell</i>
Mohave III	
BOOTCAMP	
10:00 am	Bootcamp
Fiesta I & II	
CHANGES IN EHS	
10:00 am	Building a Culture of Total Worker Health. <i>Al Roth</i>
10:45 am	Data Power! Easy tips and techniques for EHS data analysis. <i>Katie Schofield</i>
ENVIRONMENTAL	
1:00 pm	Innovative EHS Compliance Tools. <i>Michael Zimmerman</i>
1:45 pm	Navigating the Transition to the Circular Economy: Adventures in E-Waste. <i>Lee Read</i>
2:30 pm	RCRA Subpart AA/BB/CC – Hazardous Waste Tank Emissions Management. <i>Tanner Houston</i>
BOOTCAMP	
1:00 pm	Bootcamp
CHANGES IN EHS	
1:00 pm	Safety Symbiosis – Process safety from the work to home environments. <i>Steve Hawkins</i>
1:45 pm	Are Companies Kicking the Can Down the Road on Worker Safety? <i>Kristen Cederlind</i>
2:30 pm	Sustainable Supply Chain as a Capital Project Differentiator. <i>Ed Struzik</i>
ENERGETICS	
3:30 pm	Safety Aspects And Considerations For Vacuum And Exhaust Management Of Hazardous And Energetic Materials Within Polysilicon Processes. <i>Steve Cottle</i>
4:15 pm	Metal Organic/Energetic Fire Code Updates 2022. <i>Matt Wyman</i>
BOOTCAMP	
3:30 pm	Bootcamp
CHANGES IN EHS	
3:30 pm	Risks and Code Compliance Challenges with Large Fab Construction and Operations. <i>Vincent DeGiorgio</i>
4:15 pm	Air Permitting Considerations for Both Facility Expansion and New Construction. <i>Bryan Osborne</i>
THURSDAY	
6:30 am-7:00 am	5K Run. Off-site
8:00 am-Noon	Registration. Silverman Foyer
8:30 am-9:30 am	Keynote Presentation. <i>Technology facilitated interventions for Behavioral Health in the workplace. Kevin Winters. Mohave I & II</i>
9:30 am-10:00 am	Break. <i>Sponsored by Edwards. Silverman Foyer</i>
10:00 am-11:30 am	Concurrent Sessions
11:30 am-1:00 pm	Complimentary Lunch. <i>Sponsored by SESH. Mohave Terracer</i>
1:00 pm-2:15 pm	Concurrent Sessions
3:15 pm-3:30 pm	Break. Silverman Foyer
3:30 pm-4:15 pm	Concurrent Sessions
4:15 pm-5:00 pm	Closing Ceremony. <i>Steve Trammell (Incoming SESH President) Mohave I & II</i>
Mohave I & II	
EXPLOSION	
10:00 am	Controlling and Understanding Sensitized Ammonium Nitrate Hazards in Semiconductor Facility Ductwork. <i>Stefan Uhlenbrock</i>
10:45 am	Blowing up will ruin your whole day. <i>Chris Wrenn</i>
Mohave III	
HEALTHIER WORKPLACE	
10:00 am	Best Practices for adapting your Ergonomics Program for Hybrid and Remote Work. <i>Chris Arteberry</i>
10:45 am	Ergonomic Hazard Assessment in Fast-Paced Semiconductor Lab R&D Environment. <i>Gus Arroyo</i>
ENVIRONMENTAL	
1:00 pm	A novel non-phosphorus cooling water treatment technology to address environmental and operational challenges. <i>Ashok Shetty</i>
1:30 pm	Disilane Furnace Process – Environmental Challenges. <i>Christopher P Jones</i>
2:00 pm	How to Prepare Your Facility for PFAS Regulations on The Horizon. <i>John Goetze</i>
2:30 pm	Enzymatic Cleaning Restores the Performance of Biofouled Membranes at Mild Conditions. <i>Nick Popolizio</i>
RISK	
1:00 pm	Development of Handbook of Risk in Semiconductor Manufacturing. <i>Vincent DeGiorgio</i>
1:45 pm	Development of a First-of-a-kind Risk Based Process Safety Program in the Semiconductor Industry. <i>Param Subramanian</i>
2:30 pm	Risk Assessment for Collaborative/Autonomous Mobile Robots, and Case Studies. <i>Mollie Anderson, Daniel Chodos</i>
ACCIDENTS/ INCIDENTS	
3:30 pm	Accidents and Incidents Roundtable. <i>Troy McCuskey</i>
CHEMICAL SECURITY	
3:30 pm	Chemical Security Regulatory Update: How to Ensure Compliance, Increase Safety and Mitigate Risk. <i>Marcia Stone</i>



For more information about the sessions, scan the QR Code or visit: sesha.org/event/sesha-44th-annual-symposium