

SESHA

48th Annual International High
Technology ESH Symposium & Exhibition

April 13-16, 2026

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SESHA 48th Annual International High Technology ESH Symposium & Exposition

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Registration Hours: *Salt River Foyer*

Monday, April 13 7:00 AM – 5:30 PM

Tuesday, April 14 7:30 AM – 5:00 PM

Wednesday, April 15 8:00 AM – 4:00 PM

Thursday, April 16 8:00 AM – 1:00 PM

Exhibit Hall Hours: *Salt River 4-8*

Tuesday, April 14 9:45 AM – 6:30 PM

Break & Raffle Ticket Distribution 10:00 AM – 10:30 AM

Lunch & Raffle Ticket

Distribution/Drawing 12:15 PM – 1:15 PM

Break & Raffle Ticket Distribution 3:00 PM – 3:30 PM

Opening Reception

Ticket Distribution/Drawing..... 5:15 PM – 6:30 PM

Wednesday, April 15 9:00 AM – 4:00 PM

Break & Raffle Ticket Distribution 9:15 AM – 9:45 AM

Lunch & Raffle Ticket Distribution/Drawing 12:30 PM – 1:30 PM

Break & Raffle Ticket Distribution 3:15 PM – 3:45 PM

Thursday, April 16 9:00 AM – 1:30 PM

Break & Raffle Ticket Distribution 9:15 AM – 9:45 AM

Lunch & Raffle Ticket Distribution/Drawing 12:30 PM – 1:30 PM

Thank you to the following SESHHA Sponsors

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Week Schedule-at-a-Glance

All Sessions take place in the Omni Tempe Hotel

MONDAY, APRIL 13

Registration

7:00 AM – 5:30 PM Salt River Foyer

PDC #3 | An Introduction to Process Safety Management for Semiconductor and Related Industries

8:00 AM – 12:00 PM Amber

PDC #6 | Incident Management for Industrial On-Scene Commanders Workshop (IMS 665)

8:00 AM – 5:00 PM Bronze

PDC #1-2 | Bootcamp 101 & 201

8:15 AM – 5:00 PM Salt River 1-3

Coffee Break

9:30 AM – 10:30 AM Salt River Foyer

PDC #4 | Industrial Hygiene in the Semiconductor Industry: Key Hazards, Controls, and Best Practices

1:00 PM – 5:00 PM Amber

PDC #5 | The Science of Exhaust Management

1:00 PM – 5:00 PM Sun Devil 2

Coffee Break, sponsored by ASM

2:30 PM – 3:30 PM Salt River Foyer

TUESDAY, APRIL 14

5k | Tuesday Transistor Trot

6:30 AM – 7:30 AM Offsite

Registration

7:30 AM – 5:00 PM Salt River Foyer

Coffee Break

8:00 AM – 9:00 AM Salt River Foyer

Opening Session & Awards Presentation

Josh Culp (*SESHA President*)

8:30 AM – 9:00 AM Salt River 1-3

Keynote | UN Global Framework on Chemicals (GFC)

Dorothy Amaleck Ngajilo

9:00 AM – 9:45 AM Salt River 1-3

Exhibits

9:45 AM – 6:30 PM Salt River 4-8

Coffee Break, sponsored by Edwards – Raffle

Ticket Distribution

10:00 AM – 10:30 AM Salt River 4-8

Concurrent Sessions

10:30 AM – 12:15 PM Various Locations

Complimentary Lunch, sponsored by Benchmark

Gensuite – Ticket Distribution & Raffle Drawing

12:15 PM – 1:15 PM Salt River 4-8

Concurrent Sessions

1:15 PM – 3:00 PM Various Locations

Coffee Break, sponsored by Pfeiffer Vacuum + Fab

Solutions – Raffle Ticket Distribution

3:00 PM – 3:30 PM Salt River 4-8

Concurrent Sessions

3:30 PM – 5:15 PM Various Locations

Opening Reception, sponsored by Exentec

Abatement – Ticket Distribution & Raffle Drawing

5:15 PM – 6:30 PM Salt River 4-8

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Week Schedule-at-a-Glance

WEDNESDAY, APRIL 15

Pima Canyon Hike

6:00 AM – 8:30 AM Offsite

Registration

8:00 AM – 4:00 PM Salt River Foyer

Concurrent Sessions

8:30 AM – 9:15 AM Various Locations

Exhibits

9:00 AM – 4:00 PM Salt River 4-8

Coffee Break, sponsored by Edwards – Raffle Ticket Distribution

9:15 AM – 9:45 AM Salt River 4-8

Concurrent Sessions

9:45 AM – 12:30 PM Various Locations

Complimentary Lunch – Raffle Ticket Distribution & Raffle Drawing

12:30 PM – 1:30 PM Salt River 4-8

Concurrent Sessions

1:30 PM – 3:15 PM Various Locations

Coffee Break, sponsored by Benchmark Gensuite – Raffle Ticket Distribution

3:15 PM – 3:45 PM Salt River 4-8

Concurrent Sessions

3:45 PM – 5:30 PM Various Locations

THURSDAY, APRIL 16

Registration

8:00 AM – 1:00 PM Salt River Foyer

Concurrent Sessions

8:30 AM – 9:15 AM Various Locations

Exhibits

9:00 AM – 1:30 PM Salt River 4-8

Coffee Break, sponsored by DOD Technologies, Inc. – Raffle Ticket Distribution

9:15 AM – 9:45 AM Salt River Foyer

Concurrent Sessions

9:45 AM – 12:30 PM Various Locations

Complimentary Lunch – Raffle Ticket Distribution & Raffle Drawing

12:30 PM – 1:30 PM Salt River 4-8

Concurrent Sessions

1:30 PM – 3:15 PM Various Locations

Closing Celebration

3:15 PM – 4:00 PM Salt River 1-3

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SESHA Schedule – 2026 Annual Symposium

All Sessions take place in the Omni Tempe Hotel.

7:00 AM – 5:30 PM	Registration. Salt River Foyer	9:30 AM – 10:30 AM	Coffee Break. Salt River Foyer
8:00 AM – 12:00 PM	PDC #3 An Introduction to Process Safety Management for Semiconductor and Related Industries. Amber	1:00 PM – 5:00 PM	PDC #4 Industrial Hygiene in the Semiconductor Industry: Key Hazards, Controls, and Best Practices. Amber
8:00 AM – 5:00 PM	PDC #6 Incident Management for Industrial On-Scene Commanders Workshop (IMS 665). Bronze	1:00 PM – 5:00 PM	PDC #5 The Science of Exhaust Management. Sun Devil 2
8:15 AM – 5:00 PM	PDC #1-2 Bootcamp 101 & 201. Salt River 1-3	2:30 PM – 3:30 PM	Coffee Break, Sponsored by ASM. Salt River Foyer
PDC #1 – BOOT CAMP 101		PDC #2 – BOOT CAMP 201	
8:15 AM	Welcome and Introduction. <i>Steve Trammell</i>		
8:30 AM	Semiconductor Fabrication Overview. <i>Steve Trammell</i>		
9:00 AM	Semiconductor Processing. <i>Steve Meyers</i>		
10:30 AM	Semiconductor EHS Hazards Overview. <i>Troy McCuskey</i>	10:30 AM	The Chemistry of Semiconductor Precursors. <i>Joe Van Gompel</i>
1:00 PM	Fire Safety, Detection, and Suppression; Gas Detection Technologies; Toxic Gas Monitoring Systems Design. <i>Matt Wyman</i>	1:00 PM	Introduction to Exhaust Management, Abatement, and Air Emissions. <i>Jesse Gonzalez, Ben Hubertus</i>
2:30 PM	Codes and Regulations. <i>Raymond McDavid</i>	2:00 PM	Product Safety for Wafer Processing Equipment. <i>Mark Fessler</i>
3:30 PM	Emergency Response. <i>Nina Hesse</i>	3:30 PM	Environmental Considerations. <i>Paige Jacobs</i>
4:45 PM	Q/A with Speakers and Attendees		

MONDAY

Registration Hours: Salt River Foyer

Monday, April 13	7:00 AM – 5:30 PM
Tuesday, April 14	7:30 AM – 5:00 PM
Wednesday, April 15	8:00 AM – 4:00 PM
Thursday, April 16	8:00 AM – 1:00 PM

Convention Hotel

Omni Tempe Hotel at ASU
7 E University Drive
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A certificate of participation will be emailed out via the Whoava conference app following the symposium. These may be eligible for ABIH and BCSP CM credit. See ABIH website (www.ABIH.org) and BCSP website (www.BCSP.org) for CM credit criteria.

This event contains the following technical content hours. PDCs are additional.

Tuesday – 6 technical hours
Wednesday – 6 technical hours
Thursday – 4 technical hours

Important CM Point Information

For more information about the sessions, scan the QR Code or visit: sesha.org/event/sesha2026



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SESHA Schedule – 2026 Annual Symposium (continued) All Sessions take place in the Omni Tempe Hotel.

TUESDAY		Salt River 1-3	Sun Devil 1	Amber	Bronze	Sun Devil 2
6:30 AM – 7:30 AM	5k Tuesday Transistor Trot. Offsite					Concurrent Sessions. Various Locations
7:30 AM – 5:00 PM	Registration. Salt River Foyer					Complimentary Lunch, sponsored by Benchmark Gensuite – Raffle Ticket Distribution/Drawing. Salt River 4-8
8:00 AM – 9:00 AM	Coffee Break. Salt River Foyer					Concurrent Sessions. Various Locations
8:30 AM – 9:00 AM	Opening Session & Awards Presentation. Josh Culp (SESHA President). Salt River 1-3					Coffee Break, sponsored by Pfeiffer Vacuum + Fab Solutions. – Raffle Ticket Distribution. Salt River 4-8
9:00 AM – 9:45 AM	Keynote UN Global Framework on Chemicals (GFC). Dorothy Amaleck Ngajilo. Salt River 1-3					Concurrent Sessions. Various Locations
9:45 AM – 6:30 PM	Exhibits. Salt River 4-8					Opening Reception, sponsored by Exentec Abatement – Ticket Distribution/Drawing. Salt River 4-8
10:00 AM – 10:30 AM	Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8					
10:30 AM	PFAS Reporting & the Semiconductor Industry: 2026 Update. Mark Robinson, Dawn Lamparello	Pyrophoric Chemicals – Fire Code Update 2026. Matthew Wyman	Navigating Global EHS Regulatory Developments. Teresa Spezio	Advancing supply chain resilience, traceability and product safety through efficient application of AI. N Nagaraj		
11:30 AM	Navigating PFAS Obligations: States Setting Precedent in a Relaxed EPA Climate. John Goetze	SEMI S30 Design Requirements and Challenges. Tara Collins	Safety Assistant for Gas-Chemical Bulk Delivery System Design and Operation Considering Sustainability in a Semiconductor Infrastructure. Keonhee Park	FM Global 7-7 – A Semiconductor Loss Prevention Standard for Resilience. Kevin McConnell		Hazardous Waste Vendor Audits: Ensuring Compliance and Mitigating Risk. Grace Pellerin
1:15 PM	PFAS in Air, Water, Waste, and Product: Building a complete PFAS conceptual release model for Semiconductors. Melissa Gresham	SEMI S2 and more: Product Safety Scorecards for Product Lifecycle. Mark Fessler	Learning from SIF-potential Events in Mission-Critical Semiconductor Fab Construction. David Tibbetts, Billy Eason	NFPA 318 Update. Vincent DeGiorgio, Steve Trammell		Semiconductor Abatement Certification Management and Requirements. Lys Draper
2:15 PM	Semiconductor Fab Wastewater PFAS Characterization and Analytical Methods. Stephanie Shanley, Bradley Ulrich	Beyond Compliance: Risk-Based Process Safety Engineering in Semiconductor Design. Cassio Brunoro Ahumada	Impact of Health and Wellness on STCKY Safety. Bryan Reich	Gas Monitoring Technologies for Semiconductor Facilities. Shiori Ando		When is your waste not a waste? Norm Weiss
3:30 PM	PFAS Monitoring and Treatment in Semiconductor Wastewater: A Case Study from Taiwan. Joey Lu	SEMI S8 Safety Guideline for Ergonomics Engineering: Ensuring Worker Health and Productivity Through Design. Paul Schwab, Dishayne Garcia	Safety Walkthrough Best Practices. Ron Scholtz	Using FTIR and Mass Spectrometry to Characterize Process Effluent Hazards. Tyler Tolman, Aaron Martinez		Beyond Industry Benchmarks: Raising CF ₄ Abatement Efficiency Standards in Semiconductor Manufacturing. Derek Walker
4:30 PM	PFAS Capture and Destruction: Integrated Approaches for Cost-Effective Treatment. Victor Leung	SEMI S6: Is your gas box design good enough? Glenn Holbrook	ERT Coordinator Meet-Up: Networking, Challenges, and Lessons Learned. Nina Hesse	From Underreporting to Insight: Unlocking Frontline Safety with Applied AI. Donavan Hornsby		Calculating powder formation temperature in exhaust pipeline of semiconductor processes. Min Woo Lee

SESHA Schedule – 2026 Annual Symposium (continued)

All Sessions take place in the Omni Tempe Hotel.

		Salt River 1-3		Sun Devil 1		Amber		Bronze		Sun Devil 2	
6:00 AM	Pima Canyon Hike. Offsite Registration. Salt River Foyer	Pima Canyon Hike. Offsite Registration. Salt River Foyer		Pima Canyon Hike. Offsite Registration. Salt River Foyer		Pima Canyon Hike. Offsite Registration. Salt River Foyer		Pima Canyon Hike. Offsite Registration. Salt River Foyer		Pima Canyon Hike. Offsite Registration. Salt River Foyer	
8:00 AM – 4:00 PM	Concurrent Sessions. Various Locations	Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations	
8:30 AM – 9:15 AM	Exhibits. Salt River 4-8	Exhibits. Salt River 4-8		Exhibits. Salt River 4-8		Exhibits. Salt River 4-8		Exhibits. Salt River 4-8		Exhibits. Salt River 4-8	
9:00 AM – 4:00 PM	Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8	Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8		Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8		Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8		Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8		Coffee Break, sponsored by Edwards – Raffle Ticket Distribution. Salt River 4-8	
9:15 AM – 9:45 AM	Concurrent Sessions. Various Locations	Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations		Concurrent Sessions. Various Locations	
9:45 AM – 12:30 PM											
8:30 AM	Extraction of PFASs from Polymer Articles. <i>Edward Watkins</i>	A Perfect Match: Integration of OSHA's Process Safety Management & EPA's Risk Management Program. <i>Kelsey Forde, Timothy Stirrup</i>	TSCA Workplace Chemical Protection Plan (WCPP) Lessons Learned. <i>Mark Robinson, Robert Hanley</i>	Gas Monitoring Systems in Semiconductor Manufacturing. <i>Miki Vuckovic</i>	Who's on First? Making Sense of OSHA's Multiemployer Workplace Policy. <i>Susan Reynolds</i>						
9:45 AM	PFAS Testing in Vacuum and Abatement Systems: The Next Stage of the Journey. <i>Chris Jones, Joseph Ambrose</i>	Powering Performance – Modernizing PSM/RMP for True Operational Resilience. <i>Adrienne Young</i>	Essential Industrial Hygiene for the Semiconductor Industry EHS Professional. <i>Nancy Doherty</i>	Gas Detection from a Code Perspective. <i>Mark Winter</i>	Enhance OEHS Communication: The Art of Avoiding Public Speaking Pitfalls. <i>Adrienne Pearson</i>						
10:45 AM	Advances in Real-Time Low Level Measurements of PFAS Volatiles in Air Exhaust via FTIR: Development Program Updates. <i>Curtis Laush</i>	Comprehensive Management Approach to Process Safety Management (PSM) Round Table Discussion. <i>Ashley Fernandez</i>	Using Computational Fluid Dynamics to Assess and Optimize Laboratory Ventilation. <i>Cassidy Strode, Steve Trammell</i>	Colorimetric Technology for High Tech Gas Detection: Key Parameters for Performance. <i>Jeyong Jin</i>	From Concept to Practice: Mastering HOP for Safety and Operational Success. <i>Dan McGonagle</i>						
11:45 AM	From Foams to Fabs: Avoiding Regrettable PFAS Substitution through Toxicity Insights. <i>David Brew, Patricia Underwood</i>	Demystifying Hydrofluoric Acid. <i>Benjamin Hall</i>	Implementing Industrial Hygiene Sampling Plans – Lessons Learned. <i>Susan Reynolds, Josh Humlhanz</i>	Delivering Large-Scale TGMS Projects: Lessons from Engineering Through Construction. <i>Kristian Montenegro</i>	Capitalizing on Opportunities and Mitigating Risks with Effective EHS & Energy Management. <i>Rich Pandullo</i>						
1:30 PM	Semiconductor Process Emission Testing. <i>Joe Van Gompel</i>	Reactive Chemical Safety in Laboratories. <i>Ron Scholtz</i>	Advancing Exposure Assessment in Semiconductor EHS: Bridging Qualitative Judgment with Predictive Analytics. <i>Mark Huang</i>	New Technology of Gas Detector. <i>Jun Hyun Choi</i>	Benefits & Limitations of a Hazard and Operability (HazOp) Study. <i>Kelsey Forde, Timothy Stirrup</i>						
2:30 PM	The Secrets to Success with Air Permitting in the Semiconductor Industry. <i>Jesse Gonzalez</i>	Managing EHS Challenges with High-Risk Chemicals: Strategies for Risk Reduction and Sustainable Operations. <i>Dina Schiller</i>	Replacing NMP with Alternative Solvents. <i>Victoria White</i>	Power Continuity Optimization in Semiconductor Fabs; A Strategy to Eliminate PDU-Related Downtime. <i>Shreeramalingam Balasubramanian</i>	Using New Approach Methods (NAMs) for Chemical Risk Assessment. <i>Jessie Kneeland, Chase Butler, Ari Lewis</i>						

WEDNESDAY

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SESHA Schedule – 2026 Annual Symposium (continued)

All Sessions take place in the Omni Tempe Hotel.

(cont'd)	Salt River 1-3	Sun Devil 1	Amber	Bronze	Sun Devil 2
3:45 PM	The Future of GHG Reporting for the Semiconductor Industry. <i>Ben Hubertus</i>	Chemistry and Incidents Involving HF-Releasing Chemicals, Peroxide Formers, and Other HNOCs. <i>James Wright</i>	Semiconductor Manufacturing Risk Handbook. <i>Vincent DeGiorgio</i>	PFAS Wastewater Treatment Technology Landscape: Evaluation, Verification, and Validation for Fabs. <i>Paige Jacob</i>	Control of Hazardous Energy (LOTO) – Possible Regulatory Changes. <i>John Piampiano</i>
4:45 PM	Environmental Compliance Enforcement Trends and Crystal Ball: What Now? <i>Jess Black</i>	Revolutionizing Contractor Safety: Harnessing AI and Energy-Based Safety Principles. <i>Duane Duhamel</i>	GHG Abatement using Plasma Technology. <i>Dhawal Rami, Radhika Naik</i>	Expanded PFAS Detection Methods and Capabilities. <i>Chris Otolski</i>	

	Salt River 1-3	Sun Devil 1	Sun Devil 1	Amber	Bronze
	8:00 AM – 1:00 PM Registration. Salt River Foyer	Concurrent Sessions. Various Locations	Concurrent Sessions. Various Locations	9:45 AM – 12:30 PM 12:30 PM – 1:30 PM 1:30 PM – 3:15 PM 3:15 PM – 4:00 PM	Concurrent Sessions. Various Locations Complimentary Lunch – Raffle Ticket Distribution/Drawing. Salt River 4-8 Concurrent Sessions. Various Locations Closing Celebration. Salt River 1-3
	Salt River 1-3				
8:30 AM	Flip the Pyramid: The Journey Toward Safety Excellence. <i>Ryan D. Hill, Choong-Seok Jeong</i>	Accelerating Molybdenum Development: Managing Subfab Challenges for Next-Generation Contact Applications. <i>Alan Brightman</i>		Risk-Based Process Safety – Managing Risks Under Legal Thresholds. <i>Patrick Wallior</i>	Fire Protection of Stockers in Semiconductor Facilities. <i>Mehmed Ulcay, Adrian Oxley</i>
9:45 AM	When etchants become explosives: unintentional nitroglycerin and nitrocellulose synthesis from etchant recipe. <i>James Wright</i>	Documenting Your Legacy: Best Practices for Permitting Record Retention. <i>Bryan Osborne</i>		Integrating Dry Bed Absorber Technology for Safer, Sustainable, and Net-Zero R&D Operations in the Semiconductor Industry. <i>Josh Ratchford</i>	EU PFAS Restriction Proposal Socioeconomic Assessment. <i>Dawn Graunke</i>
10:45 AM	Laser Safety Lessons Learned – It Only Takes a Second. <i>Albert Roth</i>	SEMI S23: Trials, and Lessons Learned from Conducting In-House S23 Measurements. <i>Abby Peng, Robert Hseih</i>		Fire Hazard Mitigation in Large-Diameter Exhaust Ducts for Semiconductor Fabs. <i>Gaurav Agarwal, Adrian Oxley</i>	Global Regulatory Surveillance of Chemical and Emerging Contaminant. <i>Dajinder Woloch</i>
11:45 AM	Back to Neutral: Spotting Risks and Shaping Solutions. <i>Kristen Cederlind</i>	Green Buildings for Semiconductor Facilities. <i>Patrick O'Brien</i>		Firefighting Foam – On the Road to Phase Out PFAS. <i>Jeremy Lebowitz</i>	CFR 1910.6 – Incorporation by Reference (IBR) – Other Applicable Codes and Standards. <i>Roosevelt Ward</i>
1:30 PM	Balancing Act: Safety Challenges and Standards for Self-Balancing Robots in Industry. <i>Daniel Chodos, Mollie Anderson</i>			Why CF4 is so hard to abate. <i>Joe Van Gorpel</i>	Behind the Curtain: The Great Compliance Illusion. <i>Robert Day</i>
2:30 PM	Evaluating the Impacts of New Process Chemicals on Wastewater Discharge. <i>Timothy Love, Gregory Viens</i>			LSS of the Future for Emergency Response. <i>Matthew Wyman, Tom Cantos</i>	Discussing When Liquid Precursors Get Where They Don't Belong. <i>Brent Nelson</i>

Exhibitors & Exhibitor Floor Plan

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Exhibit Hall Hours: Salt River 4-8

Tuesday, April 14 9:45 AM – 6:30 PM

Break & Raffle Ticket Distribution 10:00 AM – 10:30 AM
Lunch & Raffle Ticket Distribution/Drawing 12:15 PM – 1:15 PM
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Opening Reception
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Wednesday, April 15 9:00 AM – 4:00 PM

Break & Raffle Ticket Distribution 9:15 AM – 9:45 AM
Lunch & Raffle Ticket Distribution/Drawing 12:30 PM – 1:30 PM
Break & Raffle Ticket Distribution/Drawing 3:15 PM – 3:45 PM

Thursday, April 16 9:00 AM – 1:30 PM

Break & Raffle Ticket Distribution 9:15 AM – 9:45 AM
Lunch & Raffle Ticket Distribution/Drawing 12:30 PM – 1:30 PM

Exhibitors

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Booth: 27

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www.axinewater.com

Axine Water Technologies is the world leader in electrochemical oxidation technology for industrial wastewater treatment. Our mission is to establish a new industry standard for the cost-effective destruction of per- and poly-fluoroalkyl substances (PFAS), active pharmaceutical ingredients (APIs), solvents, and other persistent organic contaminants.

Battelle

Booth: 10

NEW

505 King Avenue
Columbus, OH 43201
800-201-2011
www.battelle.org

Battelle specializes in PFAS testing optimized for semiconductor wastewater and industry-specific PFAS, source tracking, mass balance studies, and chemistry consultation. We help clients understand and mitigate PFAS risks using robust frameworks. Our services encompass vulnerability assessments, risk response planning, PFAS capture and destruction technologies, and evaluations of treatment solutions.

Benchmark Gensuite

Booth: 33

Diamond Sponsor

5181 Natorp Blvd, Suite 610
Mason, OH 45040
513-774-1000
www.benchmarkgensuite.com

Benchmark Gensuite delivers AI-driven, cloud-based EHS, Sustainability, Quality, and Risk solutions for global enterprises. With a single-version platform, generative AI tools, and decades of expertise, it helps millions manage risk, ensure compliance, and enhance performance, backed by top-tier customer service and continuous innovation worldwide to drive operational excellence and impact.

BSI

Booth: 16

Bronze Sponsor

408-790-9200
www.bsigroup.com/en-US/
products-and-services/consulting

BSI Consulting provides a comprehensive range of strategic, management and technical solutions. We take a partnership approach to our client engagements, ensuring we meet the needs of our clients at the scale they require. Our technical experts maintain the latest credentials and training in Environmental, Health, Safety, and Sustainability to ensure our clients achieve the highest levels of confidence.

Colden Corporation

Booth: 19

Bronze Sponsor

11 Round Lake Road
Ballston Lake, NY 12019
518-490-2261
www.colden.com

Colden Corporation provides industrial hygiene, safety, environmental health, and EHS management consulting services. For 30 years, our Certified Industrial Hygienists, Certified Safety Professionals, and compliance specialists have been providing hazard and exposure assessments, health and safety program development, audits, and risk mitigation solutions.

CS Clean Solutions

26 Commerce Drive
Danbury, CT 06810
203-797-8155

www.cscleansolutions-usa.com

CS Clean Solutions® is the global leader in dry-bed abatement systems for hazardous gas streams using passive, chemisorption-based technology to treat gas streams to outlet levels below TLV. Using proprietary granulate formulations, the systems operate at ambient temperature to abate toxic, corrosive and pyrophoric chemistries. Fuel gas, high voltage electrical power, water and acid waste neutralization are not required, providing extremely low operating cost with minimal maintenance and downtime compared to other abatement technologies. CS Clean also offers a plasma abatement systems for Fluorinated Greenhouse Gases, as well as for GaN deposition abatement of H₂ and NH₃.

Booth: 42

Bronze Sponsor

DAS Environmental Expert USA Inc.

23439 N. 35th Drive, Suite 6+7
Glendale, AZ 85310
844-862-1662

www.das-ee.com

Since 1991, DAS Environmental Experts has been developing and producing customizable environmental technology solutions for waste gas and wastewater treatment. Our customers from a wide range of industries have always benefited from our in-depth technical expertise. The responsible use of vital resources such as air and water is a global challenge of our time.

Booth: 23

Bronze Sponsor

DEKRA North America

1945 The Exchange SE, Suite 300
Atlanta, GA 30339
770-971-3788

www.dekra.us

DEKRA provides sustainability services including validation, verification, assurance, and certification to help businesses achieve their sustainability goals. By embedding sustainable practices into core strategies, DEKRA helps organizations navigate evolving expectations, ensure compliance, and build resilient, future-ready operations while contributing to a more responsible and sustainable global economy.

Booth: 34

Bronze Sponsor

DOD Technologies

675 Industrial Drive, Bldg B
Cary, IL 60013
815-788-5200

DOD Technologies is the leader in low-level semiconductor gas detection, providing technologically advanced products, repair, and preventative maintenance services. We offer a range of fixed and portable solutions – as well as flexible service options – to meet your facilities' life safety needs.

Booth: 32

Diamond Sponsor

DOD Labs, A Division of DOD Technologies, Inc.

675 Industrial Drive, Bldg B
Cary, IL 60013
815-788-5200
dodlabs.com

DOD Labs, A Division of DOD Technologies, Inc., provides dedicated laboratory services focused on advanced analytical PFAS testing for semiconductor facilities and various other industries. We offer fast, comprehensive results that follow a variety of testing methods, including ultra-short chain, TOP analysis, EPA 533, 537.1 and 1633.

Booth: 31

Ebara Technologies, Inc.

51 Main Avenue
Sacramento, CA 95838
916-920-5451
www.ebaratech.com

Ebara Technologies Incorporated's Components Division supplies advanced vacuum and abatement technologies focused on semiconductor, photovoltaic and R&D. Components Division products: Dry Vacuum Pumps, Turbomolecular Pumps, Point-of-Use Abatement, Exhaust Heaters, Vacuum Traps, Vacuum Hardware, Parts Cleaning Services.

Booth: 40

Silver Sponsor

ECO ENERGEN

111, Yeongok-gil, Ipjang-myeon, Seobuk-gu
Cheonan-si, Chungcheongnam-do 31027
+82-41-568-7943, Ext 1
ecoenergen.co.kr

ECO ENERGEN offers optimized air pollution treatment equipment manufacturing services and total solution business, ensuring that customers can obtain the best value anytime, anywhere.

Booth: 22

Edwards

6220 NE Century Blvd
Hillsboro, OR 97125
edwardsvacuum.com

Edwards is a global leader of vacuum and abatement. We are proud to lead the industry, pushing the boundaries of science to deliver innovative products which are intrinsic to everyday life, working in partnership with our customers and continually setting new standards.

Booth: 37

Platinum Sponsor

Erthwrks

PO Box 150549
Austin, TX 78715
385-205-2617
www.erthwrks.com

Erthwrks provides environmental services focused on industrial air emissions testing and compliance. The company conducts stack testing, emissions monitoring, and engineering studies for industries such as semiconductor, oil and gas, refineries, power plants, and manufacturing to help facilities meet state and federal environmental regulations.

Booth: 24

NEW

Exentec Abatement

1755 McCarthy Blvd
Milpitas, CA 95035
408-573-0701
www.airgard.net

Booth: 1

Platinum Sponsor

Exentec Abatement (Formerly Airgard) is a leading supplier of point of use gas abatement systems known for very high uptime and sustained DRE. Exentec makes the workhorse Cyclone wet scrubber and the breakthrough industry first wet-burn-wet Encompass abatement system.

Gasmet Technologies Inc.

5865 McLaughlin Road, Unit 1
Mississauga, ON L5R 1B8 Canada
866-685-0050
www.gasmet.com

Booth: 9

Bronze Sponsor

Gasmet Technologies is a technology group specializing in advanced gas measuring and analysis solutions for industrial, environmental, and occupational health applications. Gasmet serves customers worldwide with portable and stationary FTIR gas analyzers designed for demanding real world conditions. Gasmet is part of the Nederman Group, standing under Monitoring and Control division.

Gastron Co., Ltd

www.gastron.com

Booth: 7

Bronze Sponsor

NEW

GfG Instrumentation, Inc

1194 Oak Valley Drive, Suite 20
Ann Arbor, MI 48108
800-959-0329

Booth: 39

For 65 years GfG Instrumentation has provided a wide range of gas detection solutions. GfG develops and manufactures an advanced product line of portable gas detectors, fixed systems, and respiratory airline monitors. Our commitment is the protection of life from combustible and toxic gases, and oxygen hazards.

GrayMar Environmental Services

11023 E. Mt Spokane State Park Drive
Mead, WA 99021
866-472-9627
graymarenv.com

Booth: 18

NEW

GrayMar Environmental Services, LLC is an environmental service provider that offers safe, cost-effective and practical solutions. GrayMar's foundation is fortified by highly experienced professional individuals who have been executing projects that exceed customer expectations for decades. GrayMar's strength is in its highly efficient and well-trained personnel who are well versed in providing solutions for high profile environmental projects.

GreenSoft Technology, Inc.

155 S. El Molino Avenue, Suite 100
Pasadena, CA 91101
323-254-5961
www.greensofttech.com

Booth: 12

GreenSoft Technology is a leading provider of environmental compliance data services and software for electronics manufacturers, offering hands-on supply chain data collection covering EU REACH, EU RoHS, Conflict Minerals, Proposition 65, Full Material Declaration and more. Plus, GreenData Manager software for due diligence reporting and centralized substance database management.

Hallam-ICS

518-530-7069
www.hallam-ics.com

Booth: 15

NEW

Hallam-ICS delivers end-to-end Toxic Gas Monitoring System solutions for semiconductor facilities, from engineering and controls integration to installation support, commissioning, gas challenging, service, and maintenance. Our team helps clients design, automate, and sustain reliable, code-compliant TGMS programs, supporting projects from small labs to large-scale fabs across North America with confidence.

HIGHVAC Corporation

4710 N. Chestnut Street
Colorado Springs, CO 80907
719-260-1185
www.highvacgroup.com

Booth: 41

Bronze Sponsor

HIGHVAC's EcoGuard® point of use abatement system is one of the industries only hydrogen fueled burn/wet and wet/burn/wet architectures, delivering high DREs with linear performance. Its carbon neutral hydrogen combustion design makes it uniquely suited to fluorine abatement in RPC NF3 chamber clean applications as well as Epitaxial and MOCVD GaN reactors handling up to 350 SLM of hydrogen per chamber.

Highwire

700 District Avenue, Suite 7
Burlington, MA 01803
866-572-1722
www.highwire.com

Booth: 14

NEW

Highwire's prequalification and field applications help advanced manufacturers identify, assess, and mitigate contractor risk. Highwire delivers full-lifecycle risk management, including safety and financial assessments, on-site inspection, and incident tracking. The world's leading advanced manufacturers trust Highwire to ensure safety, reliability, and operational excellence across complex projects and facilities.

Honeywell

2101 CityWest Blvd
Houston, TX 77042
832-252-3500

automation.honeywell.com/us/en

Honeywell provides a comprehensive portfolio of gas detection solutions which offers capabilities that help to protect against toxic and flammable threats. Our High Tech gas detection portfolio utilizes a variety of technologies, including spectroscopy, electrochemical cartridge technology, catalytic bead technology, infrared technologies, and paper tape (Chemcassette®) colorimetric technology.

Booth: 28

Platinum Sponsor

ISN

3232 Mckinney Avenue
Dallas, TX 75204
800-976-1303
www.isnetwork.com

ISN is the global leader in contractor and supplier management. Our online platform, ISNetwork, hosts a suite of tools tailored to assist our Clients in effectively mitigating risk across operations and throughout the supply chain, as well as benchmark performance against industry peers. ISN supports over 800 Hiring Clients across multiple capital-intensive industries such as Manufacturing, Utilities, Technology and Facilities Management.

Booth: 36

KFPI

10351 Olympic Drive
Dallas, TX 75220
469-329-5628
www.kfpi.com

KFPI is a leading semiconductor company specializing in fire and gas safety solutions. We provide comprehensive services, including consulting, design, product installation, integration, certification, training, and support. KFPI prioritizes our system designs to maximize reliability and longevity and we always guarantee compliance with SEMI S2, FM, and NFPA standards. Also, our experts can identify which gas detection technology is best to protect personnel from hazardous chemical leaks. Notably, KFPI developed LCAS, the first automatic fire safety prevention system for BCDS with pyrophoric chemistries. With a global presence, KFPI operates in the USA, Taiwan, Japan, China, Korea, Singapore, and Europe.

Booth: 20

Diamond Sponsor

Levitronix Technologies Inc

10 Speen Street, Suite 102
Framingham, MA 01701
508-861-3800
www.levitronix.com

Levitronix Bearingless fans are designed for demanding applications in exhaust control. The design is based on magnetic levitation, and the absence of bearings ensures proper management of aggressive chemistries without concern of bearing failure. They are also extremely resistant against aggressive chemistries and rated for use in explosive atmospheres.

Booth: 8

NEW

Montrose Environmental Group Booth: 3

5120 Northshore Drive
North Little Rock, AR 72205
501-900-6400

www.montrose-env.com

Our Stack Testing experts ensure compliance with emission limits on regulated air pollutants. With comprehensive guidance and innovations at every stage of the process, our industry-leading applications and services help you stay ahead of emerging regulations surrounding GHGs, PFAS, and more, ensuring continued compliance with CEMS and PEMS certification.

Nalco Water, an Ecolab Company

1601 West Diehl Road
Naperville, IL 60563
603-305-2436

www.ecolab.com/nalco-water/about/industries-we-serve/manufacturing/microelectronics

A global leader in water and process management solutions, Nalco Water, an Ecolab company, works with customers across a wide range of industries to help minimize water and climate impacts while maximizing outcomes at an optimized total cost.

Booth: 4

Diamond Sponsor

Patriot Environmental Services

1250 23rd Street
Signal Hill, CA 90755
800-624-9136
PatriotEnvironmental.com

Patriot Environmental Services, a Crystal Clean company, has been providing the highest quality services for the best value with the utmost safety in mind for more than two decades. Whether it's providing routine services or responding to a national disaster, we are, and will always be, prepared and professional.

Booth: 25

NEW

Pfeiffer Vacuum + Fab Solutions

3950 NE 30th Avenue
Hillsboro, OR 97124
503-352-9458

www.pfeiffervacuum.com

Pfeiffer Vacuum+Fab Solutions, part of the Busch Group, delivers innovative vacuum and gas abatement systems for semiconductor, PV, and high-tech industries. Designed with customer needs in mind, our solutions enable safe, sustainable manufacturing and reliable environmental compliance for your advanced processes.

Booth: 38

Platinum Sponsor

Precision Sensors Division of UE

340 Woodmont Road
Milford, CT 06460
203-877-2795

www.precisionsensors.com

Precision Sensors, a UE company based in Milford, CT, has over 63 years of experience designing and manufacturing reliable, cost-effective pressure, vacuum, temperature, flow, and liquid level switches. Serving aerospace, defense, and semiconductor markets, our products deliver precise control, monitoring, and alarm functions that protect critical equipment, processes, and people

Booth: 35

Silver Sponsor

RKI Instruments, Inc.

33248 Central Avenue
Union City, CA 94587
510-441-5656

www.rkiinstruments.com

RKI Instruments is an innovative gas detection company offering portable and fixed systems gas detection instrumentation. Product lines range from the smallest portable monitors to versatile fixed multi point systems that include wired and wireless fixed systems solutions and turn-key services. Our products are rugged and reliable, RKI is gas detection for life.

Booth: 21

Platinum Sponsor

Salus Engineering

3004 Scott Blvd
Santa Clara, CA 95120
408-235-8831
salusengineering.com

Salus Engineering International is located in Santa Clara, California, USA and has a well established US client base as well as extensive international clientele. It provides engineering services to some of the largest manufacturers of semiconductor fabrication equipment in the world.

Booth: 2

SGS North America Inc.

800-329-0204
env.sgs.com

SGS offers independent environmental testing laboratories, delivering defensible data. We provide a full range of environmental analytical services to industrial, engineering, consulting, and government clients across North America, supported by a network of over 20 laboratories and service centers. With over 145 years of service excellence, we combine precision and accuracy to help organizations achieve the highest standards of quality, compliance, and sustainability.

**Booth: 26
NEW**

ThermGAS Inc.

11285 Elkins Road, Bldg H-1
Roswell, GA 30076
770-667-3865
www.thermegas.com

ThermGAS is a manufacturer of Photoacoustic infrared (IR) detection systems that are widely used in safety systems. Our detection technology can detect extremely low concentrations of hazardous gases with high stability and minimal false alarms, making it especially valuable in industrial environments where early leak detection prevents accidents, equipment damage, and exposure risks.

**Booth: 43
NEW**

TRC Companies

21 Griffin Road North
Windsor, CT 06095
781-337-0016
www.trccompanies.com

TRC's tested practitioners in consulting, construction, engineering and management services deliver unique resolutions that answer any imperative. By creating new pathways for the world to thrive, we help our clients adapt to change while solving the challenges of making the Earth a better place to live – community by community and project by project.

**Booth: 5
NEW**

Trinity Consultants

12700 Park Central Drive
Suite 600
Dallas, TX 75251
972-661-8100
trinityconsultants.com

Founded in 1974, Trinity Consultants helps organizations overcome complex, mission-critical challenges in EHS, engineering, and science through expertise in consulting, technology, training, and staffing. We support clients in geographies worldwide and across a broad range of sectors including industrial, energy, manufacturing, mining, life sciences, and commercial/institutional.

Booth: 11

Platinum Sponsor

Veolia

100 Federal Street, 3rd Floor
Boston, MA 02110
760-846-7819
www.veolianorthamerica.com

Veolia's mission is to resource the world, helping our customers address their environmental and sustainability challenges in energy, water and waste. This means improving our clients' energy efficiency, better managing their water and wastewater, and recovering resources from their wastes.

Booth: 6

Bronze Sponsor



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SESHA



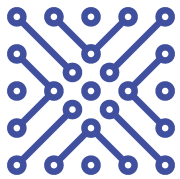
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Professional Development Courses

All Sessions take place in the Omni Tempe Hotel

MONDAY, APRIL 13

PDC #1-2 | Bootcamp 101 & 201

8:15 AM – 5:00 PM

Salt River 1-3

This professional development course is designed for environmental, health, and safety (EHS) professionals and managers in the semiconductor industry who are either new to the field (1–5 years) or seeking a comprehensive refresher. Participants will gain practical insights from seasoned subject matter experts with extensive experience addressing EHS challenges unique to semiconductor operations. Presentations will focus on timely subject matter relevant to today's rapidly evolving semiconductor landscape and are tailored to support early-career professionals. Ample time for discussion and Q&A will enable participants to engage directly with experts and strengthen their understanding of key EHS practices within the industry.

PDC #3 | An Introduction to Process Safety Management for Semiconductor and Related Industries

Bradley Silva

8:00 AM – 12:00 PM

Amber

Process Safety Management (PSM) has never been more critical for semiconductor operations, where hazardous chemicals, complex tools, and interconnected systems create unique risks. This immersive 4-hour training session provides SSHA professionals with a practical understanding of PSM fundamentals, regulatory requirements, and real-world implementation strategies.

PDC #4 | Industrial Hygiene in the Semiconductor Industry: Key Hazards, Controls, and Best Practices

Daniel Hall, Cassidy Strobe, Steve Trammell, Noah Featherman, Jim Rasumon

1:00PM – 5:00 PM

Amber

This Professional Development Course provides EHS practitioners with a focused and practical introduction to Industrial Hygiene (IH) principles as applied in semiconductor manufacturing environments. The course emphasizes recognition of high-hazard materials such as toxic hydrides, pyrophoric gases, corrosive wet chemicals (including HF and TMAH), specialty organometallic precursors, engineered nanoparticles, and CMP slurries, as well as key physical hazards including

noise, radiation, heat stress, and ergonomic concerns. Unique semiconductor challenges—including cleanroom PPE effects, engineering control verification, sub-fab exposure pathways, and risks associated with maintenance and non-routine work—are addressed in detail.

PDC #5 | The Science of Exhaust Management

Matthew Kowalski, Steve Cottle

1:00 PM – 5:00 PM

Sun Devil 2

- Part 1: Understanding Semiconductor Process Exhaust Hazards & The Chemistry of Exhaust Management
 - Overview of semiconductors and the chemical hazards associated with manufacturing
 - Survey of process gases and their properties as they relate to exhaust gas management
- Part 2: Point of Use Abatement Technologies
 - Scientifically, how do abatement systems work?
 - Water scrubbers, dry scrubbers, combustors, plasma, traps, etc.
- Part 3: Vacuum and Exhaust management by Application
 - Semiconductor manufacturing by application, OEMs, tools
 - How vacuum and exhaust management fits.

PDC #6 | Incident Management for Industrial On-Scene Commanders Workshop (IMS 665)

Daniel Buchanan

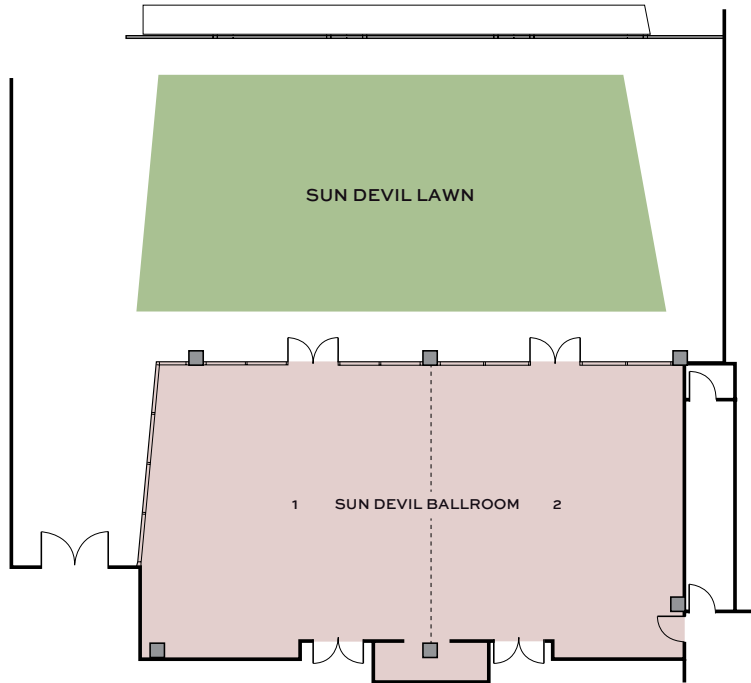
8:00 AM – 5:00 PM

Bronze

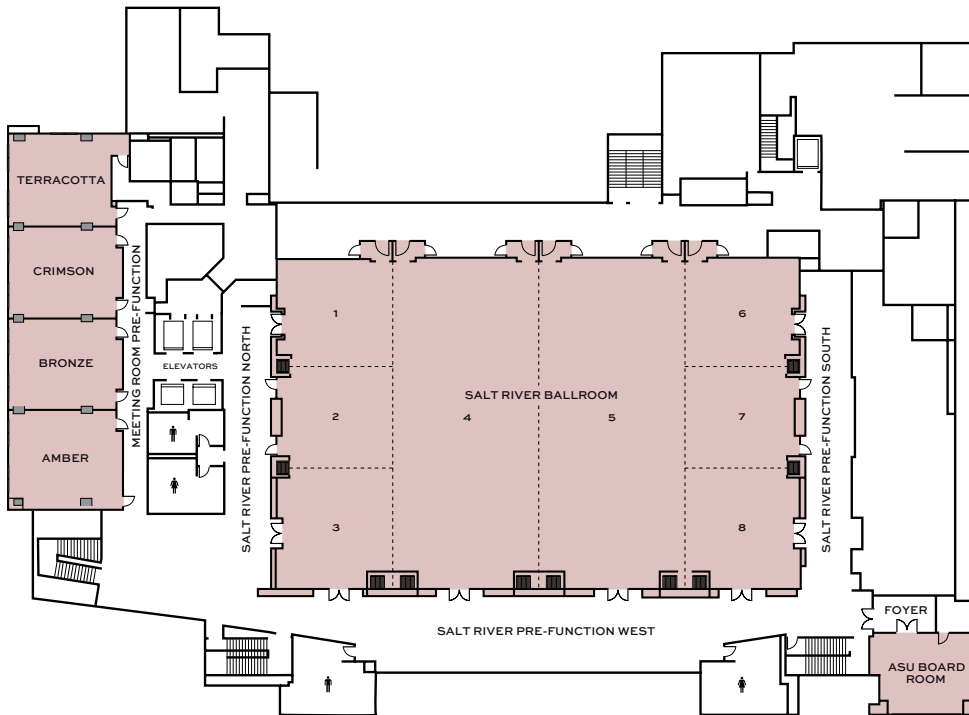
This scenario-based, simulation-supported, workshop is intended to introduce participants to the leadership strategies and tactics needed in the initial incident response to an industrial incident in a Semiconductor CHIP Manufacturing Facility. In addition, this workshop examines how to successfully implement those strategies and tactics at the Emergency Response Team Leader level. The workshop activities place emphasis on a higher level of tactical decision-making necessary to operate safely, effectively, and efficiently with available resources. This workshop focuses on the application of the RECEOS model and includes simulation-supported activities that provide participants with the opportunity to develop and hone decision-making and problem-solving capabilities.

Omni Tempe Hotel Floorplan

LEVEL ONE



LEVEL TWO





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ALL4 is committed to helping our clients navigate environmental complexities, stay ahead of regulatory changes, and operate sustainably.

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- Digital Solutions
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- Waste Management
- EHS Extension Services
- Planning and Permitting
- Investigation and Remediation
- Chemical Reporting and Management
- Water Quality Compliance and Permitting

Jess Black

Managing Consultant
ALL4 Consulting



Presentation

Environmental Compliance Enforcement Trends and Crystal Ball: What Now?

April 15th
4:45 – 5:30 PM
Salt River 1-3



www.ALL4inc.com

VACUUM AND ABATEMENT SOLUTIONS FOR THE SEMICONDUCTOR INDUSTRY

Safety in the SubFab

The SubFab environment, the utility room that houses all the equipment to keep a Fab's clean room up and running, can be a hazardous one. One of the risks is posed by energetic materials, a byproduct of some semiconductor processes. When you design a SubFab, you should leave nothing to chance.

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8

R&D centers globally



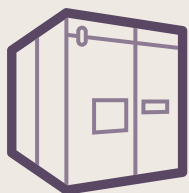
27%

of employees in R&D



3900+


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Driving our innovative edge:

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- Silicon epitaxy (Epi)
- Silicon carbide (SiC) epitaxy
- Plasma-Enhanced Chemical Vapor Deposition (PECVD)
- Vertical furnace

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