Preliminary Program

Sesha 2002

Semiconductor Environmental, Safety & Health Association Annual Symposium
April 2-6 – Wyndham Palm Springs & Palm Springs Convention Center
Palm Springs, California
Mission Statement

SESHA is the world’s most respected and widely recognized organization dedicated to communication and education concerning environmental, health and safety (EH&S) issues relating to the electronics and high technology industries.

SESHA is an advocate for the integration and continuous improvement of all EH&S disciplines. We stimulate and communicate ideals and practices that enhance EH&S effectiveness in the high technology workplace and surrounding communities. SESHA openly discusses EH&S challenges and aggressively seeks to meet them.

We promote the evolution of new environmental, health, safety and hazards management technologies, and practices to enhance the competence and status of our members within their professions.

Products and services of the SESHA include: publications, academic programs, communication networks and conferences. These products are relied upon and quoted as authoritative, relevant and timely. Through these established lines of communication, the SESHA provides a framework which encourages the sharing of safety, health and environmental information.

SESHA thereby assists electronics and related high technology companies in becoming exemplary corporate citizens.
Meeting Highlights and General Information

2-7

Plan your schedule with the Week-At-A-Glance. Learn about the keynote speaker and see what SESHA has planned.

Technical Program

8-10

SESHA ‘02 provides comprehensive coverage of semiconductor EH&S and management issues. There will be over 60 presentations that discuss state of the art information and research trends.

Professional Development Courses (PDC)

11-15

Choose from a variety of top notch PDC’s offered on Tuesday, April 2. ABIH & BCSP points have been applied for, for all of the courses.

Forms

16-17

Hotel Reservation Form and SESHA Conference Registration Form.
WEEK-AT-A-GLANCE

TUESDAY, APRIL 2
8:00 AM–5:00 PM—Professional Development Courses
8:30 AM–3:00 PM—Student Scholarship Paper Presentations
3:00–6:00 PM—Conference Registration

WEDNESDAY, APRIL 3

6:30 AM—Morning Training Run
7:30 AM–4:00 PM—Conference Registration
8:15 AM—Continental Breakfast before the Keynote Forum
8:30 AM–Noon—Keynote Forum
Noon–1:00 PM—Exhibitor Luncheon
Noon–3:30 PM—Exhibit Hall Open
1:00–4:30 PM—Concurrent Sessions
4:30–5:30 PM—Roundtable Discussions
6:00–8:00 PM—Welcome Reception/Everyone’s Invited

THURSDAY, APRIL 4

6:30 AM—Morning Training Run
8:00 AM–3:00 PM—Conference Registration
8:30 AM–4:30 PM—Concurrent Sessions
9:00 AM–5:00 PM—Exhibit Hall Open
4:30–5:30 PM—Roundtable Discussions

FRIDAY, APRIL 5

6:30 AM—5K Race
8:00 AM–Noon—Conference Registration
8:30 AM–1:00 PM—Concurrent Sessions
9:00 AM–Noon—Exhibit Hall Open
1:30 PM—Golf Tournament

2002 EXHIBITORS

Advanced Tech Solutions
ATMI
ATS
BOC Edwards
Clayton Group Services
Composites USA
Detronics
Drager Safety
EarthTech
EHS2
Electro-Test Inc
Enviro Safetech
EORM
Fab Tech
Hitachi America
Holaday Industries
Industrial Hygiene News
Kappler USA
Kurt J. Lesker
Mark Systems
Matheson Trigas
MegTec
MKS Instrument
MSA
Noveon/Ausimont (BF Goodrich)
Pacific Rim Safety Alliance
PermAlert
Pure Aire Monitoring
Rushbrook Consultants
Scott Instruments
Securiplex
SEMI
Semiconductor Int’l
Solkatronics
Stackhouse
Takiron
URS
WorkCare
Zellweger Analytics
Zephyr Environmental
OPENING SESSION

Wednesday, April 2 8:15 AM–Noon

8:15 AM  Coffee & Networking
8:45 AM  Welcome to SESHA and Awards Presentation. Jeanne Yturri, Zephyr Environmental, SESHA President


• State of the Union for Semiconductor Research. Betsy Weitzman, Chief Operating Officer, International Sematech

• Future Environmental Challenges for the Semiconductor Industry. David J. Hayes, Partner, Latham & Watkins; former Deputy Secretary of the Department of Interior

Noon  Adjourn for Exhibitor-Sponsored Lunch in Exhibit Hall

SESHA 2002 ROUNDTABLES

Wednesday, April 2 4:30-5:30 PM

Roundtable A – Sierra Room
Using E Technologies to Enhance EHS Program Performance (Exhibits and Demonstrations)

Roundtable B – Pasadena Room
Code Developments and the Potential Impacts (ICC, IFC, NFPA 318)

Roundtable C – Ventura Room
Environmental Regulatory Development Issues

Thursday, April 4 4:30-5:30 PM

Roundtable D – Sierra Room
Managing EHS with Fewer Resources

Roundtable E – Pasadena Room
SERF Meeting

Roundtable F – Ventura Room
Compound Semiconductor Abatement Technology Development

Interested in joining the list of exhibitors? Contact Lori Strong at SESHA headquarters 703-790-1745 or LStrong@BurkInc.com
**Tuesday**  
**Professional Development Courses**
SESHE will offer a variety of full and 1/2 day courses for continuing education credits and professional development. See course descriptions, page 11, for details.  

**Student Scholarship Paper Presentations**
SESHE’s Scholarship Committee is pleased to invite all conference registrants to attend the Scholarship Technical Papers Session. SESHE’s scholarship recipients will present papers to fulfill requirements of the scholarship award. Presentations will be held from 8:30 AM-3:00 PM.  

**Wednesday**  
**Exhibitor Hosted Luncheon**
Come meet representatives of suppliers, manufacturers and consultants within our industry at SESHE’s Exhibitor Appreciation Luncheon. This activity begins at Noon, so come to the exhibit hall and show your support to our exhibitors and enjoy lunch while you stroll through the exhibits.  

**SESHE Welcome Reception**
Come one, come all! SESHE will once again host this event to kick off conference activities. The party takes place at the Wyndham, and promises to be fun for all ages. The fun begins at 6:00 PM. Everyone’s invited!  

**Wednesday-Thursday**  
**Morning Training Run**
Get ready for the 5K race on Friday by participating in the training runs. Course maps will be available at the Conference registration desk. Training runs will be at 6:30 AM.  

**Friday**  
**5K Race**
The race will begin at 6:30 AM. Free T-shirts will be given to all participants.  

**Golf Tournament**
SESHE will host a golf tournament at a well known Palm Springs golf course. The format will be a four player team scramble with a shotgun start. The tournament fee will be posted as soon as details are finalized. In addition, each golfer will receive a bag of gifts donated from various exhibitors, a SESHE ‘02 golf towel, and a chance to win first, second and third place team prizes.  
You will be asked to provide your handicap or average score; and you will be able to name partners you would like to be paired with; otherwise, the tournament chairs will make up foursomes of equal ability.
Please plan on participating at the SESHA '02 Golf Tournament. It is sure to be a fun event! The tournament will begin at 1:30 PM.

Interested in sponsoring this or any other event? Call Lori Strong at SESHA Headquarters or email: LStrong@BurkInc.com

Don’t Forget This Date!
March 1
Deadline for Special Conference Registration Rates and Hotel Rates. Send in your forms by the deadline for the best prices!

What SESHA Attendees Have to Say:
Environmental and Occupational Risk Management, Inc. (EORM) has been an active participant in SESHA (formerly SSA) since 1990. In our 11-year history with SESHA, we continue to see value in our involvement with the Annual Symposium and Exhibition. We have found it to be a valuable forum for exceptional education programs, a perfect platform for networking, and the opportunity to market our EHS Management consulting services to high technology industry experts.

Christelle Flahaux
EORM, Inc.

Visit our Web Page at WWW.seshaonline.org
TRANSPORTATION

How To Get To The SESHA Annual Symposium & Exhibition

All SESHA Sessions, courses and the exhibition will take place at the Wyndham Palm Springs Resort and adjoining Palm Springs Convention Center.

AIR TRAVEL

Three airports, LAX and San Diego (SAN) and Palm Springs (PSP), serve Palm Springs.

United Airlines is offering a 5% discount off any United or United Express published fare, including First Class, in effect when the tickets are purchased subject to all applicable restrictions, or a 10% discount off applicable BUA, or like, fares in effect when tickets are purchased 7 days in advance, the reservation are made in “M” class of service and utilizing the MTGUA Unique Fare Basis Code, to all attendees of the SESHA Annual Symposium, available 3 days pre and 3 days post symposium dates of April 2-5, 2002. This special offer applies to travel in the US, Canada and Puerto Rico. United’s convenient schedule and discounted fares are available through United’s Meeting Desk. To reserve your flight call United at (800) 521-4041. Request Meeting ID Code 557HC for the special discount. Dedicated reservationists are on duty seven days a week from 8:00 am to 10:00 pm Eastern Time.

CAR RENTAL

Hertz Rent-a-Car is offering special low car rental rates which apply one week prior to and after the dates of the meeting. All Hertz rentals include automatic transmission and unlimited free mileage. Weekly rates require a five day minimum stay.

Special Rates from Palm Springs:

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<th>Car</th>
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<th>Weekly</th>
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Call Hertz at 800-654-2240. Request meeting CV# 02460012

HOTEL INFORMATION

S Elsa has arranged a special rate at the Wyndham Palm Springs Resort, a 700 room hotel, where Annual Symposium events will take place. All guest rooms offer an array of conveniences, including two telephones/modular jacks, hair dryer, coffee pots, remote control color TV with cable. The hotel features an executive fitness center, outdoor swimming pools, hot tubs and tennis courts.

The Wyndham is a full service resort and is located in downtown Palm Springs. The resort is within walking distance to several restaurants.

RATES:

Single/Double $163

Please note that this rate does not include tax.

Wyndham Palm Springs
888 Tahquitz Canyon Way
Palm Springs, CA 92262

Phone: 760-322-6000

Please call or Fax using the form on page 16. The hotel reservation cut-off date is March 1, 2002.
CANCELLATION POLICY

All conference, recreation event and PDC cancellations must be in writing and must reach the SESHA Office by April 2 to receive a refund. All refunds will be issued after the meeting and will be subject to a $50 processing fee. Refunds will not be issued to no-shows.

EXHIBITION

April 3-Noon-3:30 PM
April 4-9AM-5 PM
April 5-9AM-Noon

For many of the industry professionals who attend, the focus of the SESHA Annual Symposium is the three day exhibition. You will find state-of-the-art products and services directly relating to the safety and industrial hygiene, environmental and high technology fields on display. At the exhibition, industry leaders have a first hand opportunity to examine, talk about, and learn from the products and services on display by over 80 companies.

The Exhibitors will be hosting a variety of events throughout the week, so check your final program for further details.

To request a booth at the SESHA exhibition and/or sponsor an event, contact Lori Strong or Sue Burk at SESHA headquarters, (703) 790-1745, email: SESHA@BurkInc.com

RESERVING SPACE FOR ADJUNCT MEETINGS

If you would like to hold a meeting in conjunction with SESHA ’02, please contact Lori Strong at SESHA Headquarters, 703-790-1745 or LStrong@BurkInc.com, as soon as possible. After the SESHA Committee meetings have been accommodated, space will be reserved on a first-come, first-served basis.

PROFESSIONAL CERTIFICATION POINTS

Conference attendees are eligible to receive certification maintenance points from both BCSP and ABIH. Details will be provided at the conference.

3 EASY WAYS TO REGISTER

REGISTER ONLINE at www.seshaonline.org –

Online registration discount if you register by

March 1.

REGISTER BY FAX:
Fax your completed form with credit card information to (703) 790-2672 (Purchase orders not accepted for PDC’s or golf)

OR BY MAIL: Mail your completed form with payment to:

SESHA Headquarters
1313 Dolley Madison Blvd.
Suite 402
McLean, VA 22101

Mail completed registration form with check, purchase order or credit card information. You are considered registered when full payment or purchase order has been received.
Wednesday, April 3

Leadership

1:00 pm  Welcoming/Opening. Lonnie Schock, Intel Corporation

1:15 pm  SIA Look at ESH in the Industry. Chuck Fraust, Semiconductor Industry Association

1:45 pm  ESH Leadership Panel. Facilitator: Tighe; Panel: Scarpone, Connor, Maloney, Bordeaux, Fraust, Brein

3:00 pm  Insurance Impacts of 9/11 and Beyond: An Insurance Perspective. Paul Pendolino, Vice President, Division Underwriting Manager, FM Global

3:30 pm  Insurability Impacts of 9/11: An Industry Perspective Panel Discussion

4:15 pm  Implementing ESH Information Systems—More Than Selecting Software. Joanne Schroeder, PE, Environmental Data Solutions Group (EDSG)

5:00 pm  Wrap Up/Next Steps

SESNA ‘02 Annual Symposium Co-Chairs:
Bernie Frist; EORM
Mike Zimmermann; Texas Instruments/ISMT

Boot Camp Overview

Moderator - Sharon Fisher; TEA

1:00 pm  An Overview of the Semiconductor Manufacturing Process. R. Benson; Factory Mutual

3:00 pm  Semiconductor Manufacturing: An Introduction to Occupational Health Issues of Processes and Hazards. P. Wald

3:45 pm  Effective Training Methods. K. Taylor

Safety & IH

Overview

Moderator - Suzanne Jones; Intersil

1:00 pm  Managing Safety at Multiple Locations Without On-site EHS Staff. S. Fisher

1:45 PM  How's your Safety Management System? A Case Study for Developing and Implementing a SMS. K. Brandt

3:00 PM  Equipment Risk Assessment Tools and Strategies: Five Case Studies. S. Billamoria

3:45 PM  Establishing and Implementing an Environmental, Safety, and Health Program for a New III-V Compound Semiconductor Company. D. Olexia

Environmental Contemporary Environmental Issues in the Semiconductor Industry

Moderator - Mike Gootch; Conexant, Inc.

1:00 PM  Results of Surveys to Evaluate the Cost and Benefits per Employee of Adopting An EMS. L. McHugh

1:45 PM  Chemical Use Restrictions. T. Higgs

3:00 PM  Assessing the Relative Global Warming Potentials of Various Activities in a Microelectronics Semiconductor Fabrication Plant (Fab). D. Seif

3:45 PM  Managing Fluorine Emissions at Semiconductor Fabrication Facilities. M. Smylie

Safety & Industrial Hygiene Co-Chairs:
Suzanne Jones; Intersil
David Bartko; AON Risk Services

Boot Camp Co-Chairs:
Amanda Gonzales; Advanced Micro Devices
Miriam Vaughn; Advanced Micro Devices

Environmental Co-Chairs:
Jeff Williams; Department of Defense
Marty Gothberg; Applied Materials

Management Co-Chairs:
Jeff Lequia; IR/Hexfet
Terry Maloney; Advanced Micro Devices

Professional Development Courses (PDC) Co-Chairs:
Bob Biaconi; National Semiconductor
Andy McIntyre; EORM

Roundtable Co-Chairs:
Dennis Curran; Locus Technologies
Sarah Gibson; Motorola
Thursday, April 4

Management

Challenging the Status Quo
Moderator - Joe Richard; Raytheon

8:30 AM Using Intranet Technology to Enable ESH Initiatives. J. Bruner
9:15 AM Learn from the mistakes of others ...R. Barnes
10:30 AM A Dedicated Website Makes a More Effective EHS Department. H. McCarrick
11:15 AM Total Cost Assessment Methodology. D. Turton

Developing Goals and Objectives
Moderator - Ray Piantanida; AON

1:00 pm Managing Organizational and Individual Progress and Achievement. S. Schneider, T. Maloney
1:45 pm Integrated EH&S Objectives and Targets: A Focus on Performance and Cost Improvements. M. Thomas
3:00 pm Achieving Sustaining World Class Safety Performance: Effective Leadership. L. Schrock
3:45 pm Developing EHS Goals. R. Weigland

Boot Camp

IH & Safety
Moderator - Christie Lotspeich; Texas Instruments

8:30 AM Current Perspectives in Industrial Hygiene: Microelectronics Manufacturing. E. Aton
9:15 AM One-on-One to High Fives: Five Easy Steps to Creating a Safety Culture. R. Grieve
10:30 AM Gas Chemical Systems. R. Benson
11:15 AM The Value and Application of Threshold Limit Values. L. Birkner

Emergency Response
Moderator - Andy Giles; GS3

1:00 PM Components of an Effective Emergency Response Team. J. Jamali
1:45 PM What is a HazMat Technician? K. Taylor
3:00 PM Emergencies: I’ll Show You Mine, If You’ll Show Me Yours. J. Rodstein
3:45 PM Emerging Issues: The EHS Professional and Weapons of Mass Destruction. E. Aton

Safety & IH

Industrial Hygiene/Toxicology
Moderator - Robert Bianconi; National Semiconductor

8:30 AM The Toxicology of Gases and Vapors Used in Semiconductor Fabrication Operations. S. Patrash
10:30 AM Assessments of Semiconductor Products Containing Lasers to Meet CDRH and ANSI Criteria - A Case Study for a CMP Tool. J. Visty
11:15 AM How to Characterize Hazards in Emerging Technologies? The GaN Epitaxy Example. N. Proust

Environmental

Water: The Environmental Pressure for the Next Decade
Moderator - Tom Cooper; Intel

8:30 AM Water, Water Everywhere and Not a Drop to Use. A. Rimer
9:15 AM Environmental Indicators: Bench-marking Performance. R. Sheinin
10:30 AM Water Conservation in Semiconductor Manufacturing. R. Chiarello
11:15 AM Water Conservation Round Table. T. Cooper

Fab Decommissioning & Chemical Management
Moderator - Kimberly Brandt; Zephyr

1:00 PM Fab Decommissioning: The Outline of One Approach. C. Stadlmayr
1:45 PM Ensuring the Safe Movement of Used Semiconductor Manufacturing Equipment. R. Barnes
3:00 PM Chemical Tracking and Environmental Reporting Via the Web - A Working Solution. L. Gibbs
3:45 PM Chemical Management Services: A Case Study in the Semiconductor Industry. D. Whaley
Friday, April 5

Management
Terrorism and Workplace Violence: The New Reality
Moderator - Jeff Lequia; IR/Hexfet
8:30 AM Adding Terrorism to Your Contingency Plan. K. Taylor
9:15 AM An Effective Approach to Business Continuity Planning. R. Crockett
10:30 AM Presentation to be determined.
11:15 AM Presentation to be determined.

Boot Camp
Environmental
Moderator - Hillary Matthews; Axcelis
8:30 AM Alphabet Soup: An Overview of Environmental Regulations. J. Williams
9:15 AM Energy Conservation Studies at International SEMATECH. R. Maletta
10:30 AM A New Look at Life Cycle Assessment for the Semiconductor Industry. H. Ho
11:15 AM Selected Environmental Auditing Methodologies. J. Williams

Safety & IH
Managing Your Ergonomic and Property Risks
Moderator - Kim Smeijia; Intel
8:30 AM 300mm Fab Risk Challenges. V. DeGiorgio
10:30 AM Process Safety Risk Analysis Techniques for the Electronics Industry. J. VanOmmeren
11:15 AM Fire Risk Assessment and Mitigation. R. Benson

Environmental
EHS Considerations of Compound Semiconductors and New Silicon Processes
Moderator - Karl Olander; ATMI
8:30 AM Making Sub-atmospheric Delivery Work for Compound Semiconductor Growth. J. Rodstein
9:15 AM Presentation to be determined.
10:30 AM Ammonia for Blue LED Production, from Supply to Abatement. J. Van Gompel
11:15 AM Emissions Resulting from the Deposition and Etching of the Low k Dielectrics. W. Worth

Interested in joining the list of exhibitors? Contact Lori Strong at SESHA headquarters 703-790-1745 or LStrong@BurkInc.com
SESHEA will once again offer a variety of full and half day Professional Development Courses. All courses are pending the approval of ABIH and BCSP for continuing education credits. Certificates will be sent out after the conference for all approved courses.

**Tuesday, April 2**
**8:00 AM-5:00 PM**

**PDC 1 - Building Credibility for your EH&S Strategies to Increase Value to your Organization**  
*Course Coordinator: Dave Tighe; Bovo-Tighe, LLC*

In the current business climate EH&S organizations are under fire to reduce budgets and lower headcount. Managers under pressure sometimes pare programs down to little more than maintenance and selective compliance. The EH&S organization itself is sometimes perceived as a cost center with little connection to the fundamental business results. There is a very real opportunity within most organizations to change that perception and the actual value of the EH&S program. This workshop will show you how.

**The Workshop:** This session is a hands-on, highly interactive workshop in which you will learn and apply practical approaches to change the value your EH&S program brings to your organization. Key areas covered include:

- Designing an operational plan that directly aligns with the business strategy
- Creating an identity as a value producer
- Building a client-focused service mindset within your team
- Communicating your value proposition to your clients
- Focusing your efforts where they matter most
- Applying a simple 5-step model to build a high-performance organization
- Building and using effective metrics
- Aligning your business processes to demonstrate your value proposition.

**8:00 AM-5:00 PM**

**PDC 2 - OHSAS 18001 – Implementing a Health & Safety Management System**  
*Course Coordinator: Kerrie Romanow; EORM*

Many companies throughout the world are implementing environmental management systems in accordance with the ISO 14001 standard and are eager to integrate their health and safety programs into the same system. Published in 1999, OHSAS 18001 is a new international specification for Occupational Health and Safety Management Systems corresponding to BS 8800. OHSAS 18001 requires the site to demonstrate that its systems for managing health and safety not only comply with all legal requirements, but also pro-actively seek to eliminate or minimize risks to employees with a commitment to continual improvement in Health and Safety performance. In its structure and approach, OHSAS is very similar to ISO 14001, and can be integrated effectively into existing ISO 14001 and/or ISO 9000 systems by companies, large and small, to help manage their overall EHS responsibilities. Topics include:

- Basics of a health and safety management system
- OHSAS 18001 components
- Methodology for health and safety aspect identification
- Process of conducting a risk assessment of OHS&E management in the organization
- Integration opportunities of an environ-
mental, health and safety management system within a business process
- Auditing requirements
- Registration process for either or both ISO 14001 / OHSAS 18001
- Components of an implementation plan
- Benefits and costs of implementation

This one-day course is designed for environmental managers, health and safety managers, industrial hygienists, safety professionals, operations managers, human resources managers, quality managers and others interested in this emerging standard.

8:00 AM-5:00 PM
PDC 4 - Practical Approaches to Decontamination & Decommissioning.
Course Coordinators: C. Stadman, M. T. Dorris, T. Reichelt, A. Wilson; Intel Corporation

Uncertain times in the high tech industry have left many companies facing the reality of downsizing and closing facilities. Consolidating or closing a manufacturing area on schedule, under budget, and in a safe, healthy and environmentally sound manner can be a challenging undertaking. Disposition of all equipment and chemicals, reducing regulatory burden and exposure after closure, and leaving the site in a ‘moth ball’ state that can be easily maintained by a minimal team are considerations for a facility during decommissioning. Together, a good understanding of the closure scale and scope, a good multidiscipline core team of EHS personnel, proper planning, and regular interaction with management can carry the facility through the project. This course is designed to provide a practical approach to successfully defining, planning for, and executing the decontamination and decommissioning of a plant.

The Workshop: This course is a combination of lecture sessions and hands-on case study work in a group setting. Teams will work together to creatively develop solutions to defining, planning, and executing the decontamination and decommissioning of a site.

Key Focus Areas:
- Determining potential legal implications
- Assessing risks
- Project Management and Technical Issues
  - Developing Core Team,
  - Reducing regulatory burden,
  - Decontamination of areas/equipment,
  - Record keeping,
  - Expecting the unexpected,
  - Mitigating risks
  - Keeping management informed
- Graceful Exit
  - Documenting final status of site,
  - Completing final environmental Due Diligence
  - Finalizing permit and regulatory status
  - Maintaining site during “moth ball” phase

8:00 AM-5:00 PM
PDC 5 - Fire & Building Code Development and Impacts Facing High Technology Industries
Course Coordinators: Reinhard Hanselka; South Bay Piping Industry

This course will address the complex issues of compliance and conformance with ever changing codes. This course will give students insight into the reasons for the regulatory provisions and compliance methodologies.

8:00 AM-5:00 PM
PDC 6 - Incident Preparedness: The Complete Approach
How to Minimize the Potential and Mitigate the Actual
Course Coordinators: Al Brown, Rushbrook Consultants, Glasgow, Scotland and Bob Barnes, Robert B. Barnes Associates, Scotts Valley, Arizona
Every day of the year, somewhere in the world there is a business interruption incident in a semiconductor manufacturing facility. The severity of such an incident is dependent upon the advance preparation that has been completed by the facility to insure that the incident is minor and the return to full production is accomplished as quickly as possible. Incidents include fires, liquid or gas releases, service interruption (e.g. power, water, bulk gases).

Such preparation includes:

- Risk assessments of the entire facility and its manufacturing equipment
- A thorough understanding of the business interruption issues relevant to the specific facility
- Effective planning for business continuity, including incident recovery alternatives

This full-day workshop will use actual case studies to illustrate both successful and unsuccessful approaches to incident preparedness and recovery. The workshop facilitation team includes internationally recognized experts in the critical issues of incident preparedness, each of whom has first-hand operational experience in the topics being discussed.

8:00 AM-5:00 PM
PDC 7 - EH&S Considerations in Compound Semiconductors
Course Coordinator: Andy McIntyre; EORM

Multiple presenters from industry, both Users and Equipment Suppliers. Focus on EHS issues/solutions in key functional areas of crystal growth, epitaxial deposition and fabrication. Additionally, this PDC will include a section on current issues/trends with materials waste recycling.

1:00-5:00 PM
PDC 9 - Terrorism: Effective Preparation and Response
Course Coordinators: Brian Sherin; ESHconnect

This professional development course is designed to increase the depth of knowledge of emergency planners and responders who may be confronted with the challenges of terrorism at industrial facilities, specifically semiconductor operations. The focus will be on nuclear, biological, and chemical (NBC) terrorism incidents. We will conduct two tabletop exercises on responding to a NBC Terrorist incident at a semiconductor facility (e.g., a chemical incident and a bioterrorism incident).

Following its completion, the participants should be able to:

- Review recent history involving the use of these weapons
- Understand the threat
- Recognize the signs and symptoms of NBC exposures (frequently these will be the first indication of an attack)
- Know what methods of self-protection should be used in response to a terrorist incident involving NBC to employ
- Understand the implications of the emergency scene as a crime scene

8:00 AM-12:00 PM
PDC 8 - OSHA 300 Record Keeping – Successful Implementation and Lessons Learned
Course Coordinator: Don Lassiter; Occupational Health Systems (OHS)

New OSHA recordkeeping regulations went into effect on January 1, 2002. In addition to new recording forms (i.e., OSHA 300, 301 and 300A) there are many changes involved with the new OSHA recordkeeping requirements and procedures, including case identification, recording procedures, employee privacy protection, work-related hearing loss (delayed), employee access to records, counting of days away from work and restriction/job transfer etc. All EHS professionals who are responsible for their company/facility OSHA recordkeeping need to understand the program changes - some of which are not readily available. In addition, during the next few months it is expected that there will be modifications of certain of the rule’s requirements (e.g., enforcement was recently delayed until May, 2002).

In addition to providing participants with the knowledge which will enable them to manage their facility/company recordkeeping program with confidence, the course will also provide participants with approaches for performing benchmarking and risk assessment using their OSHA records. Demonstrations will be provided to show how EHS staff can develop effective presentations for upper management using their OSHA data.
their operation and maintenance. Although manufacturers of this equipment include numerous safety features into the design, the potential for serious injury or incident remains, particularly in situations where design safety features are overridden or recommended safe operating procedures are not followed. Although some incidences of equipment malfunction may, on their own, have the potential to result in a safety incident, these occurrences are much more likely to occur during maintenance or service operations where personal interaction with the hazards of the equipment can be much more direct. Ion implanters have five main categories of hazard associated with them. These are hazardous materials, high voltage, radiation (ionizing and non-ionizing), mechanical systems, and ergonomic issues. In some instances, these categories can interact with each other to raise hazards that may not be readily recognizable to personnel. This course will discuss specifics regarding each category and differentiate between operational and maintenance and service related issues. Suggested safe operating procedures are also discussed. Some examples of the specific topics discussed are: suggested preventative maintenance safety precautions, potential for cryo pump related explosions, potential for fires, high voltage fields, lockout / tagout for ion implanters, and suggested interlock bypass safety precautions.

1:00-5:00 PM

PDC 11 - Semiconductor Facility Exhaust Management and Air Abatement Equipment

Course Coordinator: Mike Sherer; ATMI

This course will review exhaust management in the fab, including exhaust types and issues that can be encountered. The reasons for using and selecting point-of-use (POU) abatement (also known as exhaust conditioners) will be discussed, including different technologies available. Design and operation of centralized scrubbers and centralized volatile organic compound (VOC) abatement devices will be presented, including the “do’s” and “do not’s.” The semiconductor industry Maximum Achievable Control Technology (MACT) EPA regulation status and content will be reviewed (draft expected by end of 2001 and final expected by May, 2002). Course attendees will be asked for additional similar subject matter that they would like to be covered prior to course.

Letters of Invitation

On request the SESHA Headquarters will be pleased to send an official letter of invitation to participants who wish to attend but are not submitting an abstract. These letters are intended to assist participants in obtaining travel funds or visa. They do not constitute a commitment on the part of the conference to provide financial support.

For complete abstracts, lists of authors and their affiliations visit our website at www.seshaonline.org
Wyndham Palm Springs Hotel
888 Tahquitz Canyon Way
Palm Springs, CA 92262

Phone: 760-322-6000 or 1-800-Wyndham; FAX: 760-416-2900

$163.00 single/double
Reservation Deadline: MARCH 1, 2002

- Reservations received after March 1, 2002 will be on a space and rate available basis. Rates are good for 3 days before and after the convention dates upon availability.
- Check In Time: 3:00 PM – Check Out Time: Noon
- Room rates are subject to the current 12.55% room tax and $.89 utility tax.
- Family plan is at no additional charge for children 18 years and younger, using existing bedding.
- Reservation must be received and guaranteed by March 1, 2002 with one of the following:
  - An enclosed check or money order covering the first night’s stay to include 12.55% room tax and $.89 utility tax. Amount of Check/Money Order $__________
  - Major credit card with an expiration date and an authorized signature.
- Deposits will be refunded only if cancellation notification is received at least 48 hours (2 days) prior to arrival.

Name: __________________________________________
Address: ________________________________________
City: __________________________ State/Country: _____ ZIP/Postal Code: ________________
Phone: __________________________ FAX: _______________________
Sharing Room With: ______________________________________

Arrival Date: _______ Time: ___________ Depart. Date: _______ Time: ___________
- King Bed Smoking
- 2 Double Beds Smoking
- No Preference
- King Bed Non-Smoking
- 2 Double Beds Non-Smoking

Accommodations for the Disabled: The Wyndham Palm Springs, in compliance with the American Disabilities Act, has equipment and services available. Please inform them of your needs prior to arrival.

Credit Card:  
- American Express  
- MasterCard  
- VISA  
- Carte Blanche  
- Diners Club
- Discover

Cardholder’s Name: ____________________________________ Exp. Date: ___________

Credit Card #: ________________________________________

Cardholder's Signature __________________________________

Please mail or FAX your reservation to the address/FAX number above
# SESHA '02 Annual Symposium Registration Form

**April 2-6 - Palm Springs, California**

## PLEASE PRINT CLEARLY

<table>
<thead>
<tr>
<th>Field</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name: (For Badge)</td>
<td>______________________________________________________________________________________</td>
</tr>
<tr>
<td>Job Title:</td>
<td>______________________________________________________________________________________</td>
</tr>
<tr>
<td>Company: (For Badge)</td>
<td>______________________________________________________________________________________</td>
</tr>
<tr>
<td>Mailing Address:</td>
<td>______________________________________________________________________________________</td>
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<thead>
<tr>
<th>City:</th>
<th>State/Country:</th>
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## Special Needs

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Preregistration</th>
<th>After 3-1-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>SESA Member</td>
<td>$495.00</td>
<td>$550.00</td>
<td></td>
</tr>
<tr>
<td>Non-Member*</td>
<td>$570.00</td>
<td>$625.00</td>
<td></td>
</tr>
<tr>
<td>Federal/State Government Employee Rate</td>
<td>$250.00</td>
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</tr>
<tr>
<td>Full-Time Student</td>
<td>$75.00</td>
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<tr>
<td>SESA Member plus 2002 dues payment</td>
<td>$570.00</td>
<td>$625.00</td>
<td></td>
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*Includes a 1 year SESA Membership and Journal Subscription - available to first time members ONLY

## Professional Development Courses – Tuesday, April 2

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Speaker(s)</th>
<th>Date/Day Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDC 1</td>
<td>Building Credibility for your EH&amp;S Strategies to Increase Value to your Organization</td>
<td>D. Tighe</td>
<td>(Full Day)</td>
</tr>
<tr>
<td>PDC 2</td>
<td>OHSAS 18001 - Implementing a Health &amp; Safety Management System</td>
<td>K. Romanow</td>
<td>(Full Day)</td>
</tr>
<tr>
<td>PDC 3</td>
<td>Effective Training Methods and Approaches</td>
<td>K. Taylor</td>
<td>(Full Day)</td>
</tr>
<tr>
<td>PDC 4</td>
<td>Practical Approaches to Decontamination &amp; Decommissioning</td>
<td>A. Wilson/C. Stadlman</td>
<td>(Full Day)</td>
</tr>
<tr>
<td>PDC 5</td>
<td>Fire &amp; Building Code Development and Impacts Facing the High Technology Industry</td>
<td>R. Hansellka</td>
<td>(Full Day)</td>
</tr>
<tr>
<td>PDC 6</td>
<td>Incident Preparedness: The Complete Approach to How to Minimize the Potential and Mitigate the Actual</td>
<td>A. Brown</td>
<td>(Full Day)</td>
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<tr>
<td>PDC 7</td>
<td>EH&amp;S Considerations in Compound Semiconductors</td>
<td>A. McIntyre</td>
<td>(Full Day)</td>
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<tr>
<td>PDC 8</td>
<td>OSHA 300 Record keeping - Successful Implementation and Lessons Learned</td>
<td>D. Lasister</td>
<td>(Half Day/AM)</td>
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<tr>
<td>PDC 9</td>
<td>Terrorism: Effective Preparation and Response</td>
<td>B. Sherin</td>
<td>(Half Day/PM)</td>
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<tr>
<td>PDC 10</td>
<td>Safety Considerations for Ion Implanters</td>
<td>S. Roberge</td>
<td>(Half Day/AM)</td>
</tr>
<tr>
<td>PDC 11</td>
<td>Semiconductor Facility Exhaust Management and Air Abatement Equipment</td>
<td>M. Sherer</td>
<td>(Half Day/PM)</td>
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## Additional Activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Fee</th>
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<tbody>
<tr>
<td>5K Run</td>
<td>No Charge</td>
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<tr>
<td>Golf Tournament</td>
<td>$75.00</td>
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## PAYMENT –

- American Express
- VISA
- MasterCard

**Total Amount Due**

<table>
<thead>
<tr>
<th>Card #</th>
<th>Exp Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
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</table>

**Cardholder Name**

**Cardholder Signature**

**OR** make check payable and forward to: SESHA, 1313 Dolley Madison Blvd., Suite 402, McLean, VA 22101