

Arizona Chapter Semiconductor Environmental Safety Health Association (SESHA)

COMMITTED TO
ENVIRONMENTAL
HEALTH AND
SAFETY

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ENVIRONMENTAL

Environmental Protection Agency - President's Budget Shows Increase in State Partnership Funding

EPA Administrator Christie Whitman today said the President's budget provides the funds the Agency needs to carry out its mission, "efficiently and effectively."

The \$7.3 billion fiscal year 2002 proposal is a \$56 million increase over the budget request from last year. "It reflects this Administration's commitment to build partnerships across America to make our air cleaner, our water purer and our land better protected," Whitman said at a press conference.

Whitman indicated state and tribal programs are the recipients of about half of EPA's budget because they are the innovators, and the energizers. "Our proposed budget provides almost \$3.3 billion in grants for states, tribes and other EPA partners. That is a half-a-billion dollars more than was requested in FY 2001".



Included in that figure is a new \$25 million program of state grants--money to improve and bolster enforcement efforts in the states in a way that reflects individual state priorities. A second \$25 million grant program is aimed at improvements to the states environmental information systems. This information partnership will allow states to produce more accurate and useful environment assessments.

To continue to ensure an abundant supply of safe clean water in every American community, this budget in-

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SAFETY

AEDs: Effective Life Savers

An estimated 350,000 Americans are struck by cardiac arrest each year. Cardiac arrest stops effective pumping of blood to the heart. Chances of survival can be as high as 90 percent if defibrillation is provided during the first minutes following collapse.

Congress thinks so much of having widespread public access to Automated External Defibrillators (AEDs) that it passed the Cardiac Arrest Survival Act. The legislation, among other things provides protection to those using AEDs. Under the bill, if a Good Samaritan acts in good faith to purchase or use an AED to save a life, they are granted protection from lawsuits.

If your business is more than five minutes from 911 paramedics, you could easily be involved in saving a life before professional help arrives. Approximately 350,000 people die each year from heart disease, many of them suffering from heart failure. However, these heart failure victims may not be suffering from a heart attack. Instead, many of these victims have a condition known as Sudden Cardiac Arrest (SCA). These are electrical currents that prompt the heart muscles when to beat to pump blood. SCA occurs when these electrical currents suddenly become erratic.

While survival rate for SCA victims is low, using proper emergency treatment could save many of them. Defibrillation and CPR are the major



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Chapter Officers

President:

Thad Jones (Microchip)

Secretary:

Chris Scully (Intel)

Steering Committee:

Mike Sherer (ATMI)

Tim Jones (ON)

Paula Calabrese

(Tokyo Electron Phoenix
Laboratories, Inc.)

Robert Barnes (Robert B.
Barnes Associates)

L. Anne Ellis (ASU)

Thad Jones (Microchip)

Christine Poupard
(Motorola)

Dave Jones (Air Products)

Dale Goss (EORM)

Jeffrey A. Pugh, PE (HDR
Architecture, Inc)

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National Association Update

The Semiconductor Safety Association (SSA) has officially changed our name to the

SEMICONDUCTOR ENVIRONMENTAL SAFETY HEALTH ASSOCIATION (SESHA)!

This change was made after much research and deliberation by your Board of Directors. Reasons for the change include, but are not limited to the following:

- Current and perspective association members need to realize that SESH is engaged with and actively supports multiple disciplines. This includes safety, environmental, occupational health, and risk management to name a few!
- Corporate management needs to feel comfortable knowing that their employees and their corporation will benefit both professionally and personally by attending a SESH sponsored national or regional meeting!
- Create a WIN-WIN atmosphere for employers and employees engaged in the semiconductor and related high technology fields. We need to create an atmosphere where people of all disciplines and levels of managements want to join and participate!

Our Mission: The SESH 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. ■

OPPORTUNITIES

EORM, Inc., is growing rapidly! Senior EHS Consultant needed!

The EORM Phoenix office has an immediate need for a Senior EHS Consultant. Primary responsibilities include managing and developing environmental, health and safety (EHS) projects for new and existing customers for Arizona operations. Please visit our website at www.eorm.com for more information on this position and others. Direct resumes to Technical Recruiting Dept., EORM, Inc., 283 E. Java Dr., Sunnyvale, CA. 94089-1022, Fax: 408-822-8019; jobs@eorm.com (preferred). ■

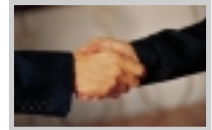
Using Mutual Gains in Negotiating Regulatory Requirements

May Institute of Environmental Sciences and Technology (IEST) Meeting

Karen Silberman,
Motorola, Environmental, Health and Safety Department, Semiconductor Products Sector

Abstract: Mutual Gains Negotiation is a tool that is used to optimize the outcomes for all negotiating parties when resolving contracts or disputes. It can also be effectively used when industry, non-governmental organizations and regulators participate as stakeholders when drafting legislation, regulations or permit conditions. This method of resolving conflict can also be used by individual companies when they work with regulatory agencies to construct permit and operating conditions.

Mutual Gains Negotiation also know as Joint Gains Negotiation



Premise: In many situations, disputing parties can find negotiated solutions that benefit each party. By cooperating, disputing parties can reap mutual benefits. The key feature of mutual gains negotiation is a belief that solutions should be brought forth from the parties themselves, not imposed on them from the outside.

Mediation vs. Negotiation : Mediation takes place between two or more parties with additional involvement from a mediator. The mediator is a neutral third party used to facilitate communication between the negotiating parties. All parties agree to mediation and on the mediator. The mediated result is usually binding on both parties. Mediation is usually quicker than negotiation.

Negotiation takes place between two or more parties that are trying to come to a mutual agreement on a particular subject. Negotiating parties communicate directly with each other, in many cases leading to a breakdown in communication, especially when the negotiation becomes emotionally charged. In many cases the stronger party wins. Depending on the situation, negotiation can be a very long and drawn out process.

Useful Negotiation Terms and Phrases:

Game Theory

A distinction between a "win-win" situation and a "lose-lose" situation.

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Negotiation

Bargaining between parties.

Principled Negotiation -

Negotiating on the basis of interests rather than positions.

Problem Solving Approach -

Working with the other disputants to solve a common problem. Conventional Negotiation (Win-Lose): 1) Determine what you want, then present inflated opening demands. 2) Posture and threaten. 3) Try to undermine their arguments.

BATNA -

A term that stands for "best alternative to a negotiated agreement". If a settlement is as good as or better than one's BATNA, the agreement should be accepted.



The Process

Pre-negotiation: As much as it's important to consider the needs of all who are party to the potential agreement, you should first determine your own needs. Needs are everything it takes to improve on your present circumstances. The relative power of each party must be clearly understood. Contrary to popular belief, win-win negotiation doesn't mean that everyone wins equally.

Before the actual negotiations get started, the opposing parties should agree to a neutral meeting location, the frequency of meetings, reasonable achievable milestones, realistic deadlines, and an end date should be selected, that is when the process will be complete.

Mutual gains negotiation requires rapport. The parties need to be convinced that what their counterparts are offering is fair.

Negotiation requires cooperation, but at the same time, negotiators must seek to advance their individual interests. This presents what is known as the Negotiator's Dilemma.

Negotiating Styles

Creating Value-Being open, sharing information about preferences and beliefs, not being misleading about minimum requirements.

Claiming Value-Being cagey and misleading about preferences and beliefs and minimum requirements; making commitments and threats. ■

Environmental Continued

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vests \$2.1 billion in grants to states for water infrastructure needs. The grants include:

- ◆ Clean Water State Revolving Fund \$850 million
- ◆ Drinking Water State Revolving Fund \$823 million
- ◆ Sewer Overflow Control Grants \$450 million
- ◆ Continued funding for the Energy Star program

The Agency participates in the Partnership for a New Generation of Vehicles, a 10-year research and development program to develop the technology for a mid-sized family sedan that achieves 85 miles per gallon with low emissions, and is safe, practical and affordable.



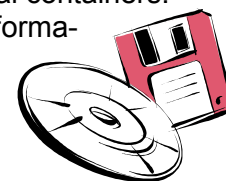
Finally, the President's budget increases resources available for local brownfields rehabilitation. Whitman concluded, "I am proud of this budget-proud of what it promises for the future health of America's environment." ■

Software Review - Hazard Communication Interactive CD-ROM Courseware, by J. J. Keller

With this interactive CD-ROM training course, companies get lively, powerful training that's impossible for employees to ignore. Employees can complete the program on their own and at their own pace. Companies can now provide consistent, high-impact hazard communication training.

Documentation of courses taken, quiz scores, and time spent is automatically handled for companies. CD-ROMs eliminate the need for group training, companies will have less employee downtime.

This courseware explains the importance of the Hazard Communication Standard (1910.1200). It demonstrates the use of the hazardous chemical inventory and the labeling of chemical containers. The program also describes the information available on Material Safety Data Sheets.



Discover the benefits of interactive CD-ROM training:

- ◆ **Reduced learning time** -- training occurs at an employee's most efficient pace, and material is reviewed only when needed.

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Chapter Meeting

**Arizona Chapter SESH Meeting
June 21, 2001 at 2:00 - 5:00
ASU University Club**

Agenda Includes:

- Opening Remarks
- Chapter Business Update
- Steering Committee Update
- SESHA Board of Directors Region/Chair Update
- National Conference Update



This month's presenters will be:

- Tim Higgs, Intel
Maximum Achievable Control Technology
- Mike Sherer, ATMI
Maricopa County Air Quality
Semiconductor Industry Guidelines Update
- Pat Ryan, Asst. Director of ADOSH
OSHA Update

Followed by a Social/Networking Hour

This month's meeting is sponsored by: **CSSER**
(Center for Solid State Electronics Research).



Just a reminder if you are not a current SESH member, you may process your application using an approved credit card at www.semiconductorsafety.org or by picking up an application at the next meeting.

Book Review - ASSE Releases New Book on Safety Terminology Review by Diane Hurns, ASSE

The American Society of Safety Engineers (ASSE) has published the updated fourth edition of its well-known and popular book titled 'The Dictionary of Terms Used in the Safety Profession.'

This latest edition is the result of a year-long revision by highly qualified contributors and leaders in the occupational safety, health and environmental fields led by the book's editor and ASSE member Richard W. Lack.

Sources for many of the new terms and definitions are annotated, and include texts, dictionaries, as well as codes and standards. The concise, clear definitions make this book a valuable reference for anyone interested in the lexicon of the safety profession.



One can obtain a copy of the fourth edition of the 'Dictionary of Terms Used in the Safety Profession,' copyright 2001, by going in the Resource Center on the ASSE web site or by calling ASSE at 847-699-2929 and note order number 4384. The cost is \$22.50 for ASSE members and \$34.95 for non-members.

Founded in 1911, the non-profit ASSE is the world's largest and oldest professional safety organization. Its 32,000 members, located throughout the U.S. and the world, manage, research and consult on safety, health, transportation and environmental issues in industry, government, education and insurance. ■

Safety Article (Continued)

contributors to survival of adult victims of SCA. Studies show that the use of AEDs is one of the most promising methods of treating cardiac arrest. An average of 74 percent of SCA victims survive if they receive their first defibrillation with three minutes of the onset of SCA. The survival rate drops to 49 percent after three minutes. This is where the use of AEDs comes in. If AEDs were readily available and promptly used, by trained operators, they could help prevent a significant number of SCA deaths per year.

The AED is a portable battery operated device capable of identifying life-threatening heart rhythms that can be corrected by the used of an electrical shock. The AED includes a pictorial guide which instructs the Caregiver on the use of the AED. After delivering the shock, the AED will analyze the patient's heart rhythm again to determine the next step. An AED course, which meets OSHA requirements, is available through the American Red Cross.

Because rapid defibrillation is proven therapy for adult victims of SCA the American Heart Association recommends the use of AEDs. They require little maintenance, visual and/or audible warnings advise users of any potential problems.



AEDs cannot save all victims of SCA, but when an AED is successful, the result can be a dramatic return to a normal life for the person suffering from cardiac arrest. And if your company is more than five minutes from emergency care the presence of an AED along with first responders trained to use it can make the difference between life and death. ■

Upcoming Events

The Air and Waste Management Association 94th Annual Conference and Exhibition

June 24-28, Orange County Convention Center,
Orlando, Florida.

Purpose: This conference includes over 800 technical papers on such topics as air, environmental commerce, environmental education, environmental management, and waste management. Contact: A&WMA, 412-232-3444.



5th Annual Green Chemistry and Engineering Conference: New Generation of Professionals - New Generation of Process

June 26-28, 2001, National Academy of Sciences,
Washington, D.C.

Purpose: Sessions will highlight the 2001 Presidential Green Chemistry Challenge award-winning technologies, applications of computational methods to pollution prevention, design of safer chemicals, utilization of green solvents, development of bio-based and environmentally benign syntheses and processes, and advances in process design. Contact: Barbara Karn, 202-546-6824.

Semicon West 2001

July 16 - July 20, 2001, San Francisco Moscone
Center / San Jose Convention Center

Purpose: SEMICON West is the largest international conference in the U.S. dedicated to semiconductor equipment, suppliers and services. Last year over 65,000 attended and 1,700+ companies showcased their products. Come to SEMICON West 2001 to meet and network with industry leaders from around the world. Visit: <http://www.semiorg/wexpositions.nsf/url/p1westhome> or contact SEMI at 408.943.6901.

Emerging EHS Technologies mini-conference

September 20-21, 2001, Westcort at the Buttes,
Tempe, AZ.

Sponsored by the Arizona Chapter SSHA

Arizona Chapter ASSE (American Society of Safety Engineers) Courses - Confined Spaces

August 13-14, 2001 - Trainer Course in Confined Space Entry for Entrants, Attendants, and Supervisors.

Purpose: In two days learn to identify and teach the hazards of confined spaces. You will also learn the best methods to control confined spaces hazards. Highlights include enactment training and demonstrations of protective and rescue equipment. For information call 858-268-8086. ■

Conferences and Symposia

Hazardous Gas Management Roundtable

Logan T. White, P.E.

Logan T. White Engineering

The 2001 SSA conference included a roundtable discussion on Hot EHS Hazardous Gas Management Topics. Approximately 50 people attended the session moderated by Logan White. The intent of the roundtable was to facilitate networking of EHS professionals to develop best practice benchmarks with respect to hazardous gas management. Attendees discussed the need to determine how the industry is handling gas management issues.

One of the roadblocks to sharing information is confidentiality. Many attendees advised they have information that would be of interest to the group but are unable to share it due to confidentiality agreements. At the same time, EHS professionals are being pressured to institute best industry practices. One method discussed to address confidentiality is to have a third party moderate surveys and then report results and trends without identifying the individual companies. Attendees are to review methods to share information without breaking confidentiality agreements.

An Internet interest group similar to the Automatic Fire Alarm Association www.afa.org was discussed. Interest group members could post questions to the group and share information on topics of general interest. Volunteers are needed to investigate operation of an



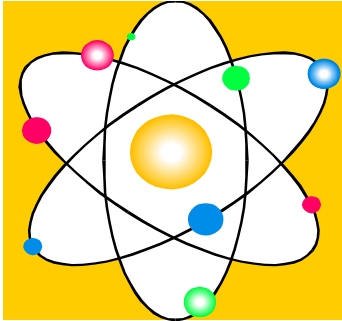
Internet interest group. Specific topics mentioned at the roundtable included the following:

- Technologies for handling new gases and chemicals.
- Gas sensor selection and placement
- Maintenance and testing of gas systems

The group indicated a desire to have roundtable discussions at future SSA conferences. The Texas Hill Country Chapter is planning a Mini-conference on Hazardous Gas Monitoring that could provide a venue for a roundtable discussion and networking.

If you are interested in being included in the Internet interest group for future roundtables, send an email to loganwhite@att.net. ■

Arizona Chapter
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Tempe, AZ 85283



Arizona Chapter Semiconductor Environmental Safety Health Association

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- ◆ **Increased retention** -- employees are "forced" to pay attention and interact.
- ◆ **Improved consistency** -- training is uniform, so you know what is covered every time.
- ◆ **Automated record-keeping** -- documentation is automatically handled for you.
- ◆ **Cost-effectiveness** -- downtime is reduced because training takes place at an individual employee's availability.

Visit www.neosafety.com/catlist.cfm (Software - Hazard Communication) for system requirements. ■

MEMBERSHIP REQUEST/CHANGE OF ADDRESS REQUEST

Name: _____
Professional Certifications: _____

Company Name: _____
Address: _____
City: _____ State: _____ Zip Code: _____
Business Address: or Home Address: AZ Section Member Since: _____
Daytime Phone: _____ Fax: _____
Member National SESH A yes no Membership Number: _____
Other Professional Organizations: _____

E-Mail Address _____

Please mail or fax this form to the secretary @ (480) 345-6477. Application forms are also available at the Arizona Chapter meetings.