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| <p><b>Charles M. Auer</b><br/><i>panelist</i></p>                             | <p>Mr. Charles M. Auer is director of the Environmental Protection Agency’s Office of Pollution Prevention and Toxics (OPPT). This office is responsible for management of the nation’s new and existing chemicals programs and testing, including activities for chemical nanomaterials. The OPPT also addresses national priority chemicals such as asbestos, lead, and mercury, and has a lead role in promoting pollution prevention both within the agency and with States, tribes, communities, industry, and environmental communities.</p> <p>Under Mr. Auer’s direction, the OPPT has successfully engaged in numerous collaborative voluntary efforts, including the High Production Volume (HPV) Challenge Program, Green Chemistry, Design for the Environment, and the Perfluorooctanoic Acid (PFOA) Stewardship Program.</p> <p>His international experience includes close interaction with the Organization for Economic Cooperation and Development and extensive bilateral interaction with the European Union, Canada, Japan, and other major U.S. trading partners. Mr. Auer also played a major role in representing the U.S. in the successful negotiation of the Stockholm Convention on Persistent Organic Pollutants.</p> |
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| <p><b>Patricia Beattie</b><br/><i>panelist and co-moderator</i></p>           | <p>Dr. Patricia Beattie is director of chemical risk management and environmental services at General Motors’ Worldwide Facilities Group. During her twenty-five year career with GM, she has provided toxicology expertise to plants, divisions and staffs on various occupational and environmental health issues. She is also responsible for industrial hygiene, chemical and resource management programs, chemical and environmental information systems, and design-in/pollution prevention activities.</p> <p>Dr. Beattie holds a B.S. in Chemistry from the University of Arizona, and an M.S. and Ph.D. in Toxicology from the University of Michigan. She is board certified by the American Board of Toxicology, a current member of both the National and Michigan Society of Toxicology, and a past president of the Michigan Society of Toxicology.</p> <p>[GM is a Diamond Sponsor of the <i>Action and Reaction</i> conference.]</p>  |
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| <p><b>S. Joe Bhatia</b><br/><i>president and ceo of host organization</i></p> | <p>S. Joe Bhatia is president and chief executive officer of the American National Standards Institute (ANSI). He is a member and past chairman of the U.S. Department of Commerce and the U.S. Trade Representative-sponsored Industry Trade Advisory Committee on Standards and Technical Trade Barriers (ITAC 16) and the former chairman of the United States Standards Strategy Committee. In addition to his numerous professional affiliations, Mr. Bhatia is a frequent lecturer in the U.S. and around the world on topics such as international trade; technical developments and commercial market access; and health, safety and environmental concerns.</p> <p style="text-align: right;">(continued)</p>   |

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|   | <p>Mr. Bhatia holds a B.S. in electrical engineering and a M.S. in business management. Prior to joining ANSI, Mr. Bhatia held the position of Executive Vice President and Chief Operating Officer of the international group at Underwriters Laboratories (UL).</p>  |
| <p><b>James Cooper</b><br/><i>moderator</i></p>     | <p>James Cooper is senior manager of government relations at the Synthetic Organic Chemical Manufacturers Association (SOCMA) and staff manager for SOCMA’s Chemical Risk Management Committee. He began his career at SOCMA managing various consortia of chemical companies addressing product-specific issues and is now the organization’s point person for chemicals policy and chemical risk issues.</p> <p>Mr. Cooper has worked closely with the Organization for Economic Cooperation and Development and the Alliance for Chemical Awareness, helping to develop exposure assessment guidance and tools. He has been on various panels and work groups focused on chemical testing programs, including EPA’s High Production Volume (HPV) Challenge and the Voluntary Children’s Chemical Evaluation Program and Endocrine Disruptor Screening Program. Mr. Cooper has also served on EPA’s National Pollution Prevention and Toxics Advisory Committee and its Existing Chemicals and Pollution Prevention Workgroups.</p> <p>Prior to joining SOCMA, Mr. Cooper served as a senior communicator at the CHEMTREC Emergency Center, coordinating the successful mitigation of chemical incidents throughout the country. He holds a B.S. in chemistry.</p> |
| <p><b>Sophia Danenberg</b><br/><i>moderator</i></p> | <p>Sophia Danenberg is responsible for legislative and regulatory affairs for Global Environmental, Health and Safety (EH&amp;S) at United Technologies’ Pratt &amp; Whitney division. She joined EH&amp;S in 2005 after many years in green technology programs at P&amp;W and United Technologies Research Center.</p> <p>Ms. Danenberg began her career with UTC in Japan and China, managing energy and indoor air quality projects with universities and government ministries in Europe and Asia.</p> <p>Prior to joining UTC, Ms. Danenberg was a Fulbright Fellow at Keio University in Tokyo. She received her undergraduate degree from Harvard University in environmental sciences and public policy and is currently pursuing a Masters degree in environmental economics at the University of Connecticut.</p>   |
| <p><b>Andrea Fava</b><br/><i>panelist</i></p>       | <p>Andrea Fava manages the environment and sustainable development portfolio for the U.S. Council for International Business (USCIB). In this position, she promotes U.S. business participation in global discussions on sustainable development within the United Nations system. Recently, she has coordinated the development of U.S. industry positions on international product stewardship and chemicals management negotiations.</p> <p style="text-align: right;">(continued)</p>   |

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|   | <p>Ms. Fava is the chair of the International Chamber of Commerce task force working to enhance business engagement in the U.N Environment Programme; earlier in her career, she worked for the Programme’s Division of Technology, Industry and Economics based in Paris</p> <p>Currently, she also serves as an international business focal point for the U.N. Strategic Approach to International Chemicals Management (SAICM).</p> <p>Before joining USCIB in 2004, Ms. Fava led a joint initiative of the International Chamber of Commerce (ICC) and the World Business Council for Sustainable Development (WBCSD) that coordinated CEO participation at the 2002 World Summit on Sustainable Development.</p>   |
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| <p><b>Lane Hallenbeck</b><br/><i>co-moderator</i></p> | <p>Lane Hallenbeck is vice president for accreditation services at the American National Standards Institute (ANSI). He is responsible for the direction of the Institute’s internationally recognized accreditation programs for standards developers and for bodies engaged in product, personnel and management system certification.</p> <p>Mr. Hallenbeck joined ANSI in November 2000 with many years of technical leadership experience in service and manufacturing organizations involved in the telecommunications, aerospace, semiconductor, software, defense, automotive, and construction sectors. In addition to his numerous professional affiliations, he is a founding member and former president of the Independent Association of Accredited Registrars (IAAR).</p> <p>A certified Quality Systems Lead Auditor, Mr. Hallenbeck holds an MS in Technology Management from Pepperdine University and a BA in Life Sciences from the University of Colorado at Boulder.</p>   |
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| <p><b>Stan Hazan</b><br/><i>co-moderator</i></p>      | <p>Stan Hazan currently serves as senior director of regulatory affairs at NSF International. In this position, he oversees legislative, regulatory and professional association affairs interfacing with federal, state and local public health agencies, legislators, academia, and professional associations.</p> <p>A nineteen year veteran of the NSF staff, Mr. Hazan spent nearly a decade as general manager of the drinking water additives certification program. He has also directed the organization’s marketing, training and education activities.</p> <p>Prior to joining NSF, Mr. Hazan worked as a forensic and environmental analytical chemist in Canada. He holds chemistry and biochemistry degrees from the University of Toronto and an MBA from the University of Michigan Graduate School of Business; he is currently enrolled in the University of Michigan School of Public Health MPH program. Mr. Hazan is a member of several professional associations, including the American Chemical Society.</p> <p>[NSF International is a Gold Sponsor of the <i>Action and Reaction</i> conference.]</p> |

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| <p><b>Sean Heather</b><br/><i>luncheon speaker</i></p>               | <p>Sean Heather is executive director for Global Regulatory Cooperation, a new initiative of the U.S. Chamber of Commerce that seeks to address regulatory issues that act as barriers to international trade.</p> <p>An eight-year member of the Chamber’s staff, Mr. Heather previously led a project to identify emerging public policy issues of concern to the business community. He has also worked on programs addressing international trade, healthcare, environment, energy, transportation, homeland security, immigration, technology, and corporate governance.</p> <p>Mr. Heather holds an undergraduate degree and an MBA from the University of Illinois.</p> <p>[The Chamber is a supporting sponsor and has organized the luncheon discussion to be held during the <i>Action and Reaction</i> conference.]</p> |
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| <p><b>Bongjin Jung</b><br/><i>panelist</i></p>                       | <p>Prof. Bongjin Jung teaches environmental thermal process and hazardous gas treatment in the Department of Environmental Engineering at the University of Suwon, in South Korea; he also serves as director of the University’s Central Analytical Instruments Lab. In addition, Professor Jung directs the activities of the Regional Center for Gyeonggi Eastern and Southern Area Small and Medium Enterprises for overcoming international environmental regulations and sits as an expert on the International Electrotechnical Commission (IEC) working group for material declaration for electrical and electronic equipment (IEC TC 111 / WG 1).</p> <p>Prof. Bongjin Jung holds a Ph.D from Pennsylvania State University.</p>   |
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| <p><b>Michael Kirschner</b><br/><i>panelist and co-moderator</i></p> | <p>Michael Kirschner is president and managing partner of Design Chain Associates, LLC, and an expert in the analysis and impact of environmental regulation on electronic products. Prior to founding DCA in 2001, he held engineering management positions at Compaq, Tandem, Intel, and Intergraph, as well as at several start-ups.</p> <p>Mr. Kirschner received his B.S. in Electrical Engineering from Worcester Polytechnic Institute. He is on the editorial advisory board of <i>Electronics Supply &amp; Manufacturing Magazine</i> and is a member of IPC’s 2-18 committee and ASTM International’s F40 committee on declarable substances in materials. He is a frequent speaker and published author on chemical-related subjects.</p>   |
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| <p><b>Gary W. Kushnier</b><br/><i>moderator</i></p>                  | <p>Gary W. Kushnier is vice president of international policy at the American National Standards Institute (ANSI). In this position, he is responsible for overseeing ANSI’s liaison and coordination activities with groups such as the International Organization for Standardization (ISO), the International Electrotechnical Commission (IEC), the three European Standards Organizations, the Pacific Area Standards Congress (PASC), the Pan American Standards Commission (COPANT), as well as their national member bodies. He also interfaces with U.S. government agencies in the area of international standards policy and trade.</p> <p style="text-align: right;">(continued)</p>   |

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|   | <p>Previously, Mr. Kushnier served as vice president of ANSI’s Brussels Office where he worked with various European standards organizations.</p> <p>Mr. Kushnier holds a B.S. degree from Kean College of New Jersey.</p>  |
| <p><b>John H. Marburger, III</b><br/><i>keynote speaker</i></p> | <p>Dr. John H. Marburger, III is Science Adviser to the President of the United States and director of the Office of Science and Technology Policy in the Executive Office of the President.</p> <p>Prior to his current appointment, Dr. Marburger held positions as director of the Brookhaven National Laboratory and president of the State University of New York at Stony Brook. While on the faculty of the University of Southern California, he was a professor of physics and electrical engineering, chair of the Physics Department and dean of the College of Letters, Arts and Sciences. At USC, Dr. Marburger developed theory for various laser phenomena and was a co-founder of the University of Southern California’s Center for Laser Studies.</p> <p>During his career, Dr. Marburger has served on numerous boards and committees, holding chairmanship of the governor’s commission on the Shoreham Nuclear Power facility and chairmanship of the 80 campus “Universities Research Association” which operates Fermi National Accelerator Laboratory near Chicago. He has also served as a trustee of Princeton University and other organizations.</p> <p>As a public spirited scientist-administrator, Marburger has worked with local, state and federal governments in a variety of capacities. He is credited with bringing an open, reasoned approach to contentious issues where science intersects with the needs and concerns of society.</p> <p>Dr. Marburger received his B.A. in Physics from Princeton University and his Ph.D. in Applied Physics from Stanford.</p> |
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| <p><b>Willie E. May</b><br/><i>moderator</i></p>                | <p>Dr. Willie E. May was elected to become director of the Chemical Science and Technology Laboratory at the National Institute of Standards and Technology (NIST) in December 2004. He joined the National Bureau of Standards (now “NIST”) as a research chemist in 1971 and became group leader for Liquid Chromatography, Organic Analytical Research Division in 1976; he became chief of the Organic Analytical Research Division in 1983 and chief of the Analytical Chemistry Division – a combination of the Organic Analytical Chemistry and Inorganic Analytical Chemistry Divisions – in 1994.</p> <p>Dr. May received his B.S. degree in chemistry from Knoxville College, Knoxville, TN in 1968; he received his Ph.D. in analytical chemistry from the University of Maryland at College Park, in 1977.</p> <p>[NIST is a General Sponsor of or the <i>Action and Reaction</i> conference.]</p>  |

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| <p><b>Nina McClelland</b><br/><i>program chair</i></p>   | <p>Dr. Nina McClelland is the principal of Nina I. McClelland, LLC, and a globally-recognized expert in standardization and health and environmental management. She is a past chairman of the Board of the American Chemical Society (ACS) and a former president and chief executive officer of NSF International.</p> <p>Among her accomplishments, Dr. McClelland has been a consultant to the United Nations, served on councils and committees of the U.S. Environmental Protection Agency and National Academy of Sciences, and participated in bilateral negotiations with private and public sector representatives from Russia, Canada and Mexico and countries across Europe.</p> <p>A long-standing member of the ANSI Board of Directors and many of its governance and policy activities, Dr. McClelland chaired the program committee for the <i>Action and Reaction</i> conference.</p>   |
| <p><b>Maureen O'Donnell</b><br/><i>panelist</i></p>      | <p>Maureen O'Donnell is the project officer for the GHS (Globally Harmonized System of Classification and Labeling of Chemicals) in OSHA's Directorate of Standards and Guidance.</p> <p>Maureen has worked in OSHA's National Office for 10 years, during which time she was a team leader in the Office of Health Enforcement; she was also the primary enforcement contact for the Hazard Communication Standard and the Lead Standards, and was the National Ergonomics Enforcement Coordinator. In her current position, she serves as a member of the U.S. delegation to the Subcommittee of Experts on the GHS.</p> <p>Prior to coming to OSHA Maureen has been a Safety Specialist and Industrial Hygienist with the Departments of Agriculture and Treasury. She serves as an adjunct professor at the George Washington University School of Public Health, received her B.Sc. in biochemistry from the University of Maryland, College Park, and received her CIH in 1996.</p> |
| <p><b>Bill Primosch</b><br/><i>breakfast speaker</i></p> | <p>Bill Primosch is the senior director for international business policy in the International Economic Affairs Department of the National Association of Manufacturers. He is responsible for representing the NAM and its member companies on international trade and business issues with the U.S. government and advancing the NAM's trade agenda to open foreign markets and reduce trade barriers. He gives special attention to business concerns regarding international standards and regulatory policy and coordinates the NAM member working group on these issues.</p> <p>Prior to joining NAM in 2001. Mr. Primosch was a career diplomat with the U.S. State Department. He served on the National Security Council staff under President George Bush, Sr. and President William Clinton. In the State Department, he was director of the European Union affairs office.</p> <p style="text-align: right;">(continued)</p>  |

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|   | <p>Over the past several years, Mr. Primosch has served on the Industry Trade Advisory Committee on International Standards, which advises U.S. officials on trade policy and negotiations. He currently sits on the Board of Directors of the American National Standards Institute (ANSI).</p> <p>Mr. Primosch holds a B.A. in political science from the University of Notre Dame and a M.A. in international affairs from George Washington University.</p> <p>[NAM is a supporting sponsor and has organized the breakfast discussion “Establishing a Manufacturers’ Network on Chemical Regulations” to be held during the <i>Action and Reaction</i> conference.]</p>   |
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| <p><b>Glenn S. Ruskin</b><br/><i>co-moderator</i></p> | <p>Glenn. Ruskin joined the American Chemical Society (ACS) in May 2005 as director of the Office of Legislative and Government Affairs. In this position, he leads the Society’s efforts to promote public policies advancing science and the chemical enterprise.</p> <p>Mr. Ruskin has more than twenty-seven years of senior management experience in both the public and private sector, and has broad-based experience in government affairs, public relations, corporate communications, media relations, litigation communications and environmental affairs. His private sector activities have largely focused on the chemical manufacturing sector.</p> <p>Earlier in his career, Mr. Ruskin worked on Capitol Hill for the late Congressman James J. Howard (D-NJ) and for a small New Jersey urban city where he was responsible for overall urban, economic, transportation and residential development.</p> <p>Mr. Ruskin received his B.A. degree from Drew University and his M.S. in Administration from The George Washington University.</p> <p>[The American Chemical Society is a General Sponsor of the <i>Action and Reaction</i> conference.]</p> |
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| <p><b>Yukio Sasaki</b><br/><i>panelist</i></p>        | <p>Yukio Sasaki joined the Japan Chemical Industry Association in January 2004 and has since been actively engaged in Responsible Care Activities and Climate Change issues. He has been director of the REACH Task Force since its formation in April 2007 and during the preceding six-month start-up phase.</p> <p>After completing a graduate degree of industrial chemistry, Mr. Sasaki joined Mitsubishi Gas Chemical Company in 1972 where he was engaged in research and market development of engineering plastics and electronics materials and, later, in the environment and safety division.</p>  |

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| <p><b>Jennifer Silk</b><br/><i>panelist</i></p>   | <p>Jennifer Silk recently joined the United Nations Institute of Training and Research (UNITAR) as a Senior Special Fellow on issues related to capacity building for countries implementing the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).</p> <p>Previously, she held the position of deputy director of standards and guidance at the Occupational Safety and Health Administration (OSHA). In that capacity, Ms. Silk chaired OSHA’s international coordinating group, managing the development of the (GHS), and represented the United States in the United Nations Subcommittee of Experts on the GHS.</p>  |
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| <p><b>Michael Taubitz</b><br/><i>diamond sponsor – dinner speaker</i><br/><br/><i>breakfast speaker</i></p> | <p>Michael Taubitz is the Global Health and Safety Regulatory Liaison for the General Motors Corporation. Since beginning his career as a mechanical engineer in the manufacturing industry forty years ago, Mr. Taubitz has held a wide range of engineering and human resource positions: he has served as a division and group safety manager, as General Motor’s corporate safety director and as co-director of the UAW-GM Center for Health and Safety. In the mid 1990’s, he moved back to engineering to establish a new Design-In Safety Center. In 1999, Mr. Taubitz established GM’s activity to provide technical liaison for emerging global health and safety issues.</p> <p>In addition to serving on the program committee for the <i>Action and Reaction</i> conference, Mr. Taubitz is chair of the ANSI Company Member Forum and serves as a representative of corporate interests on the Institute’s Board of Directors.</p> <p>[GM is a Diamond Sponsor of the <i>Action and Reaction</i> conference.]</p> |
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| <p><b>Jim Thomas</b><br/><i>diamond sponsor – dinner speaker</i></p>  | <p>James A. Thomas is president of ASTM International, one of the largest voluntary standards development organizations in the world.</p> <p>A not-for-profit organization founded in 1898, ASTM provides a global forum for the development and publication of voluntary consensus standards for materials, products, systems and services. ASTM’s committee F40 on Declarable Substances in Materials Committee is focusing on the development of standards for the evaluation of materials/products relative to RoHS (&amp; similar) requirements.</p> <p>[ASTM International is a Diamond Sponsor of the <i>Action and Reaction</i> conference.]</p>  |
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| <p><b>Don Wright</b><br/><i>panelist</i></p>  | <p><i>Biography not available</i></p>   |



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| <p><b>Ben Wu</b><br/><i>co-moderator</i></p>     | <p>Ben Wu currently serves as technology policy advisor in the Department of Economic Development for the State of Maryland. Previously, he served as Deputy Under Secretary for Technology at the U.S. Department of Commerce where he supervised policy development, direction, and management at the Technology Administration (TA).</p> <p>Prior to joining the Department of Commerce in 2001, Mr. Wu held senior staff positions in the U.S. Congress where he led issues affecting United States technology and competitiveness policy.</p> <p>Mr. Wu received a B.A. from New York University in 1985 and a Juris Doctorate from the University of Pittsburgh in 1988.</p>   |
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| <p><b>Paul Yaroschak</b><br/><i>panelist</i></p> | <p>Paul Yaroschak assumed his responsibilities as the deputy director for Emerging Contaminants in the Office of the Secretary of Defense in February 2006. Previously, he served as for 14 years as director of Environmental Compliance and Restoration Policy in the Office of the Assistant Secretary of the Navy (Installations and Environment). He also served as Acting Deputy Assistant Secretary of the Navy (Environment) with responsibility for policy formulation, oversight of a \$1 billion annual program, and negotiations on issues related to environmental compliance, restoration and pollution prevention.</p> <p>Mr. Yaroschak has a B.S. in Civil Engineering from Villanova University and an M.S. in Environmental Engineering from Northeastern University. In April of 2000, he completed the Senior Executive Fellows program at the John F. Kennedy School of Government, Harvard University.</p> |