SPEAKER BIOS

David Bernier is the east coast director of operation and Senior Geologist of EEC Environmental, a professional service firm specializing in assessment and remediation of complex soil, soil vapor, and groundwater contamination issues. For the last 17 years Mr. Bernier has worked in the environmental and geotechnical field focusing on the assessment of remediation of complex subsurface contaminate issue. As a member of the EEC team for the last 15 years, Mr. Bernier has focused on the assessment of remediation soil, soil vapor, and groundwater impacted by a variety of contaminates including petroleum hydrocarbon, polychlorinated biphenyl, metal, and chlorinated solvent, and pesticides at sites ranging from privately owned dry cleaning facilities to oil refineries and Superfund sites. He also has experience in the implementation of new treatment technologies, such as in-situ treatment, including chemical oxidation and aerobic bioaugmentation, while understanding the benefit of classic method including excavation and soil-vapor extraction. Mr. Bernier is known as an expert in the area of contaminate fate and transport and remedial design in near shore subsurface environments ranging from remote island off the coast of California to the East River in New York City. Mr. Bernier has extensive experience working with local, state, and federal oversight agencies as well as leading community outreach and engagement efforts.

Born and raised in the Washington DC area, Mr. Bernier was the natural choice to head EEC's east coast expansion which began more than 4 years ago. In conjunction with heading EEC's East Coast operations, David is the primary contact to EEC's federal contracts which include work with the U.S. Army, Navy, Federal Aviation Administration, multiple Indian Reservations, and many others.

David holds a Bachelor of Science in Geology from West Virginia University and is a licensed Professional Geologist in multiple states. Mr. Bernier is also a long standing member of the Association of Engineering Geologists, National Groundwater Association, Air and Waste Management Association, and Water Environmental Federation.

David Friedman serves as a Technical Advisor to the American Council of Independent Laboratories (ACIL) Environmental Sciences Section. This role includes: leading their efforts to establish a partnership between the commercial environmental laboratory industry, the analytical instrument industry, and the Environmental Protection Agency (EPA) to advance environmental monitoring technologies and address environmental monitoring and measurement issues; overseeing the development of new analytical

protocols and conduct validation studies to facilitate adoption of new testing technologies; and helping to establish training programs to improve the skill level of environmental laboratory staff. He also serves as a consultant to environmental laboratories and instrument manufacturers in areas of hazardous waste characterization, business development, method development and validation, laboratory accreditation, and market development.

Previously, Mr. Friedman worked at the U.S. Environmental Protection Agency (EPA) as a Senior Advisor to management on monitoring issues. He organized and served as Executive Director of Agency's Forum on Environmental Measurements (i.e., EPA's senior management measurement policy organizations), prepared speeches for senior management, conducted special studies and programs, managed the technical program to convert a former Soviet bioweapons laboratory to an environmental monitoring/commercial analytical services laboratory, served as internationally recognized expert on environmental monitoring and measurements, oversaw EPA effort to establish a national environmental laboratory accreditation program, initiated and oversaw major public communication and outreach programs such a national conferences and workshops, and developed and presented training courses needed to implement new Agency programs and initiatives.

While at EPA, he was also a Scientist and Section Chief in the Office of Solid Waste. Accomplishments included: development of both hazardous waste Toxicity and Reactivity Characteristics and the internationally recognized monitoring methods manual (Test Methods for Evaluating Solid Waste, SW-846), and for founding and, for managing the Waste Testing and Quality Assurance Conference which has become the National Environmental Monitoring Conference (NEMC). Responsibilities also included coordination of EPA's hazardous waste research program. His areas of expertise include environmental monitoring, laboratory accreditation, hazardous waste identification, hazardous waste characterization, and laboratory quality assurance and control.

Mr. Friedman has given training courses, presented papers, and given lectures on environmental testing and waste characterization in Australia, Belgium, Canada, China, Italy, Japan, Kazakhstan, Korea, Malaysia, Singapore, Thailand and Russia. At the request of the World Bank, oversaw the preparation of a model laboratory quality system manual and an associated training course for use by the Government of India in improving the quality of their regional environmental laboratories.

Gordon Gillerman, Acting Director, Standards Coordination Office at the National Institute of Standards and Technology (NIST) leads NIST's work in standards coordination including the National Voluntary Laboratory Accreditation Program. Gordon coordinates and advises federal agencies and other stakeholders on standards and conformity assessment policy. The Standards Coordination Office is the NIST focal point for federal government standards coordination, administers the NIST Standards Curricula Development Cooperative Agreement Program, operates the U.S. Inquiry Point for the World Trade Organization's Technical Barriers to Trade Agreement and is a key information source for US industry on standards related market access issues. Gordon leads NIST's work with federal agencies to develop standards and conformity assessment policy and programs.

Gordon has extensive experience coordinating standards policy and development across a wide range of critical issues in the U.S. including homeland security, safety, health and protection of the environment. An expert on conformity assessment systems and their nexus with regulatory and trade issues and a sought after lecturer on standards, conformity assessment and regulation. Gordon has worked collaboratively within the standards community to enhance health, safety, the environment and security throughout his career.

Prior experience include leading government affairs for the largest U.S. product safety certification and standard development organization, Underwriters Laboratories (UL) in Washington, DC, and Staff Engineer for the medical device and information technology sectors at UL's Northbrook, IL headquarters.

Gordon has worked collaboratively within the standards community to enhance health, safety, the environment and security throughout his career. In 2008 he received an Environmental Protection Agency Gold Medal, a Department of Commerce Bronze Medal and the ANSI Meritorious Service Award. In 2010 Gordon received a Department of Commerce Gold Medal for leadership in enhancing the performance standards and certification program for law enforcement body armor and EPA's Award for Outstanding Leadership in Collaborative Problem-Solving for his work in guiding the development of a Green Clean-Up standard. In 2012 Gordon received the ANSI Gerald H. Ritterbusch Conformity Assessment Medal.

Gordon received a Bachelor's Degree BSEET from Bradley University in Peoria, IL.

David Grossman is Director of ICMA International. He has directed ICMA's International programs since January 2008. David has brought thirty years of technical and managerial experience to this position with expertise in finance, credit, and urban infrastructure.

He began his professional career with the New York City Planning Commission, helping tenants to organize and maintain their buildings. After a year with the United Nations Development Program, he served for six years as a U.S. Agency for International Development (USAID) Foreign Service Officer, in Honduras and Costa Rica. From 1984 to 1994 he worked in the USAID Office of Housing and Urban Programs, including serving as its chief operating officer (COO). He later held COO positions with USAID's Global Bureau Environment Center and USAID's Office of Development Credit. Most recently he served as the senior advisor for research and development for the USAID Development Credit Authority. During his years at USAID, he received Honor Awards and other citations for outstanding performance.

David has a bachelor's degree in political science/Latin American studies from the State University of New York at Buffalo and a master's degree in international affairs, with a specialization in economics and urban planning, from Columbia University, in New York City. He speaks English and Spanish.

Timothy A. Haley is a partner in the Environmental Department in Barnes & Thornburg LLP's Indianapolis, Indiana office.

Mr. Haley focuses his practice on environmental issues in business and real estate transactions, enforcement defense, litigation, regulatory compliance in areas including remediation of impaired

properties, cost recovery for environmentally impaired properties, Clean Air Act and Clean Water Act permitting, solid and hazardous waste, and storm water, flood plain and wetlands issues. Mr. Haley is a member of Barnes & Thornburg's Construction Law, Climate Change and Policyholder Insurance Recovery and Counseling Group practice groups.

Mr. Haley also serves as Barnes & Thornburg's representative to the American Society for Testing and Materials E50 Committee, where he actively participates in negotiating and drafting ASTM standards and guides, including ASTM's Standard Guide for Identifying and Complying with Continuing Obligations, (E2790-11), Standard Practice for Performing Phase I Environmental Site Assessments (E 1527-13), ASTM's Standard Guide for performing Vapor Encroachment Screens (E 2600-10).

Mr. Haley received his B.A. summa cum laude from North Carolina State University in Raleigh, N.C. He received his J.D. cum laude from Indiana University School of Law – Bloomington. He also received an M.P.A. from Indiana University's School of Public and Environmental Affairs.

Mr. Haley is admitted to practice in the Northern and Southern District Courts of Indiana and the Indiana Supreme Court. He is a member of the Indiana State Bar Association.

Chuck Hegberg is a Senior Environmental Consultant with Skelly & Loy, Inc. (SLI) and a technical partner with Coaltec Energy. He has nearly 30 years of technical and management experience in natural and water resources planning and ecological restoration markets globally. Mr. Hegberg has been with the biochar market since 2006 and is currently participating with the University of Delaware in the development of the next generation of smart BMPs through a number R&D pilot projects associated with water treatment efficiency improvements and disturbed soil restoration using biochar as an enhanced media and/or soil amendment.

Skelly & Loy, Inc. (SLI), established in 1969, is a woman-owned, mid-sized Mid-Atlantic corporation providing a breadth of professional environmental and engineering services to various public and private sector clients throughout the United States and abroad. Our professional staff expertise includes ecological design engineers, environmental engineers, ecologists, geomorphologist, biologists, hydrogeologists, botanists, and other science professionals including cultural resources and GIS.

Tad McGalliard is Director, Research and Technical Assistance, at ICMA the International City/County Management Association, which advances professional local government worldwide. Mr. McGalliard directs a multi-million-dollar cooperative agreement with EPA and has managed funding from a variety of other sources including the U.S. Economic Development Administration, New York State's Empire State Development, and numerous other private and public sector funders. Mr. McGalliard developed the concept for and managed Restoration 2006, a new national event focused on post-disaster recovery, which attracted more than 1,000 attendees for the inaugural event in New Orleans. Mr. McGalliard supports the operational, project management deliverables, and outreach efforts associated with National Emergency Management Network members and potential customers. He is also working on networked approaches for local government leaders to better help their communities prepare for, respond to and recover from disasters.

Prior to joining ICMA, Mr. McGalliard worked with Cornell University's Center for the Environment in a variety of capacities. From 1998-2003, he organized marketing and outreach programs for an applied research center focused on economic development, environmental management, risk analysis, GIS/remote sensing, environmental toxicology, natural resources, stakeholder involvement and water resources. Mr. McGalliard also managed fundraising and financial stewardship efforts for $1.5-million in endowments and annual giving; organized special events and programs for students, faculty, and alumni; and coordinated student educational and career programming including career fairs, funding, and seminar courses.

Previously he served as the Assistant Director of Cornell's Work and Environment Initiative, an applied research program focused on eco-industrial development and labor involvement in organization-wide environmental improvement. Mr. McGalliard developed and managed more than $400,000 in sponsored research projects focused on eco-industrial development, environmental management, and labor involvement in sustainable development, including successful projects for the DOE's Golden Field Office, the U.S. EPA Region II, and the U.S. EDA. He also managed sponsored eco-industrial projects for the cities of Baltimore, MD; Trenton, NJ; Plattsburgh, NY; Cape Charles, VA; Chattanooga, TN; and Minneapolis, MN. Additionally, Mr. McGalliard organized international networking events, including conferences for the President's Council on Sustainable Development and roundtables for the Eco-Industrial Development Council.

Jim Powell is currently directing the Environmental Permitting Department of Mostardi Platt. Jim's role is to support and expand the service offerings including compliance management, auditing and due diligence, environmental testing and assessment, and continuous emissions monitoring (CEMS) services. His 40 years of technical and project experience includes environmental permitting and engineering, EHS compliance auditing, and Mergers & Acquisitions due diligence with Fortune 500 companies.

Jim holds an M.S. in Environmental Engineering from the University of Florida and a B.S. from the University of Iowa. He is a Qualified Environmental Professional and a Board Certified Environmental Engineering Member of the American Academy of Environmental Engineers.

Erik Puskar leads global standards information activities within Standards Services, Standards Coordination Office at NIST.

Erik provides technical information related to standards and supports Federal agencies by monitoring developments in standards and conformity assessment internationally. Erik also leads SSG's impact analysis efforts of voluntary consensus standards as well as NIST's efforts on education about standardization. He is a member of the ANSI Committee on Education and represents NIST on the International Cooperation for Education about Standardization (ICES).

In addition to standards, he has experience in the fields of information technology, funding innovative high-risk technology and fiscal affairs/taxation. Previous to SSD, Erik was a program manager with the

Advanced Technology Program (now Technology Innovation Program) of NIST and has held other positions with the U.S. Government, international development organizations, and consulting.

Erik holds a degree in Economics from Rutgers University and a Master's Degree in Public Management and Policy from Carnegie-Mellon University.

Dr. Atul M. Salhotra is an internationally recognized expert in the area of contaminant fate and transport modeling; health risk assessment; statistical analysis of data; and regulatory negotiations for management of contaminated sites and siting of waste management facilities. His expertise and opinions are sought after and trusted by regulators, industries, and the courts by virtue of his having developed risk based decision making programs for the management of chemically impacted sites for more than 15 states in US. Dr. Salhotra has conducted training courses in over 25 states and 10 countries. Over 6,000 individuals (practicing engineers, consultants, regulators, decision makers, and responsible parties) have attended his courses, and their careers have benefited from the training received. These courses include the fate and transport of chemicals in soil, groundwater, surface waters, and air.

Since 1998, Dr. Salhotra has been involved in several projects in Israel. As a consultant to the Israel Ministry of Environment Water, he has developed the guidance document for the management of contaminated sites referred to as the Israel Risk Based Corrective Action Program. He has conducted several training courses for over 300 Israeli environmental professionals. His clients include several Israeli consulting companies, developers, trade groups and public and private organizations.

Dr. Salhotra's applied research work has involved the development and application of exposure and risk assessment methodologies for environmental decision making. Dr. Salhotra was the project manager for the team that developed the EPACML (EPA's Composite Model for Landfills), and EPAMMM (EPA's Multi-Med Model) for landfills. The EPACML model was used to develop USEPA's Toxicity Characteristic Leaching Procedure (TCLP) rule. Dr. Salhotra has used the following tools for evaluating the leachate production, regulatory negotiations, and risk at several landfill projects:

- Human health and ecological risk assessment
- Multi-media (soil, groundwater, surface water, and air) chemical fate and transport models
- Data interpretation and statistical evaluation of data including monte-carlo simulation

- Evaluation of LNAPL and DNAPL data
- Education of stakeholders, including regulators
- Preparation and delivery of clear and precise reports and presentations
- Application of “common sense” and “simplest possible” models
- Hydrologic Evaluation of Landfill Performance (HELP) model

Mathy Stanislaus is the Assistant Administrator for EPA's Office of Solid Waste and Emergency Response (OSWER), Mr. Stanislaus leads EPA’s programs that revitalizes communities through the cleanup and redevelopment of contaminated sites under Superfund, Brownfields and Resources Conservation and Recovery Act (RCRA) programs, oversees other federal agencies cleanup of contaminated properties, and advances hazardous and solid waste materials management under RCRA, chemical plant safety, oil spill prevention, underground storage tank program, and emergency response. Mr. Stanislaus has focused on continuing the innovation of the brownfield program to advance the revitalization communities. Recognizing that successful, sustained community revitalization – particularly in communities facing economic distress/disruption – occurs by fostering inclusive revitalization planning among neighborhood stakeholders, local governments and the private sector, he established the innovative Area Wide Brownfields grant program. This tool enables the development of a plan for community-wide improvements such as infrastructure investments to catalyze redevelopment opportunities on brownfield sites to equitably revitalize communities and meet needs for affordable housing, jobs and open space.

Mr. Stanislaus leads EPA's efforts to advance the Obama Administration's Investing in Manufacturing Communities Partnership, a key aspect of the effort to expand middle class job opportunities. He served on the White House Council on Auto Communities and Workers which led the effort to assist local leaders to transition closed auto plants to productive reuses. He is tri-chair of the Obama Administration Chemical Facility Safety and Security Working Group that is leading efforts to assist state and local emergency preparedness organizations, policy changes to improve the safety of chemical plants and other actions set forth in “Executive Order 13650 Actions to Improve Chemical Facility Safety and Security – A Shared Commitment. Report to the President May 2014.” He also is leading the effort to transition to a life-cycle based sustainable materials management approach to reduce greenhouse gas emissions and provide materials for manufacturing.

Mr. Stanislaus is a chemical engineer and environmental lawyer with over 20 years of experience in the environmental field in the private and public sectors. He served as senior environmental counsel at a law firm, and director of environmental compliance for an environmental consulting firm. He started and operated a small business providing consulting services to local governments and local communities on projects ranging from the cleanup and redevelopment of contaminated properties, the proposed siting and expansion of power plants, solid waste facilities and large highways. He has worked in the not-for-profit sector, co-founding and co-directing New Partners for Community Revitalization, a NY not-for-profit organization whose mission is to advance the renewal of New York's low and moderate income neighborhoods and communities of color through the redevelopment of Brownfields sites. He is also former counsel for EPA's Region 2 Office.

He received his law degree from Chicago Kent Law School and Chemical Engineering Degree from City College of New York.

Zang Wenchao, Senior Engineer, is Deputy Chief Engineer of Solid Waste and Chemicals Management Center (SCC) of Ministry of Environmental Protection of China (MEP) which provides technical support on contaminated sites for MEP. She is the committee member of Environmental Chemical Specialized Committee of Chinese Society for Environmental Sciences, National Technical Committee on Dangerous Chemicals Management of Standardization Administration of China, and National Pesticide Registration and Review Committee. She has been working for the management of solid waste and chemicals, research on environmental management policies and technologies of contaminated sites remediation for almost thirty years. She took charge of the formulation of the 12th Five Year Plan of Environmental Risk Prevention and Control of Chemicals, Guidelines on Environmental Investigation, Assessment and Remediation of Industrial Enterprises Sites (Trail) and the formulation of Environmental Protection Series Standards of Destruction of Chemical Weapons Abandoned in China by the Japanese Army.

Yong Wu is the COO/Vice President of Jiangsu DDBS Environmental Remediation Ltd. (CNOOC), a full service engineering firm specialized in soil and groundwater remediation based in Nanjing, China; he is responsible for managing all Company operations and setting the strategic direction. Previously he was the Senior Environmental Consultant and Hydrologist for Golder Associates a global company providing consulting, design, and construction services in earth, environment, and related areas of energy. Prior to joining Golder he served as an Environmental Geologist at the Brookhaven National Laboratory from 2001-2004 and from 1991-1998 was a Geotechnical Engineer with the China National Petroleum Corporation.

Wong Wu is a graduate of the Chengdu Institute of Technology, has earned an MS in Environmental Geology from Temple University, and an MBA in Finance/Strategy for New York University's Stern School of Business.

Mark Zeko is the Vice President and Principal Hydrogeologist of EEC Environmental, a professional service firm specializing in assessment and remediation of complex soil and groundwater contamination issues. Mr. Zeko has built a career as a renowned environmental professional focused on the remediation of the subsurface environment—groundwater, soil, and soil vapor—that has been impacted by military, industrial, and commercial land uses. His expertise covers the spectrum of environmental management, but focuses on soil and groundwater investigations, soil vapor surveys, aquifer tests, landfill investigations, litigation support, underground storage tank removals, and environmental due diligence in connection with property transfers. In Southern California, he has led significant efforts to

investigate and remove known contaminants from groundwater at sites used, currently or in the past, by the oil and aerospace industries.

Mr. Zeko's experience has included the cleanup of oil refinery sites where many meters of gasoline, diesel and jet fuel were found in drinking water, to industrial sites with soil and groundwater impacted with toxic heavy metals including chromium and mercury. Mr. Zeko has been at the forefront of the use of innovative methods for the investigation of remediation of contaminated sites including laser and infrared based tools such as the Rapid Optical Screening Tool (ROST) and Membrane Interphase Probe (MIP) which have greatly reduced the cost of investigation and remediation of contaminated sites by focusing remedial efforts on those portions of a property where it is most needed.

Having led the firm's expansion in the West (California), Mid-Atlantic (Maryland), and most recently, Southeast (Florida) United States, Mr. Zeko has established EEC as a top-tier national consulting firm sought after for environmental consulting and technical services.

Mr. Zeko is a Registered Professional Geologist/Hydrogeologist in 14 states whose distinguished career in geology has led him throughout the United States and abroad, including China. Today, he is an emerging expert in the complex environmental issues surrounding hydraulic fracturing, or fracking, a nascent industry for which he seeks to help devise fair, evidence-based regulations and guidelines for the safe and environmentally responsible extraction of raw materials via fracking. Mr. Zeko draws his expertise in this area from his early involvement in the evaluation of the potential environmental impacts of fracking underway in West Virginia, Wyoming, and Pennsylvania when the documentary Gasland (2010) catapulted fracking into the national discourse. The issue is now at the forefront of policymaking efforts, especially in California, which is expected to set the precedent for the regulation of this new energy sector in America. Mr. Zeko speaks throughout the country on the emerging policies, risks, and opportunities that will shape the fracking industry in the coming years.

Mr. Zeko holds a Bachelor of Science in Geology and a Master of Science in Environmental Science / Hydrogeology and is a long-standing member of the Groundwater Resources Association, National Ground Water Association, Western States Petroleum Association, and Technical Advisory Service for Attorneys.