

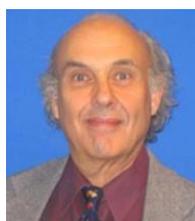
Exposure Science in Disaster Response: Lunchtime Panel

Tuesday, October 20



PANEL CHAIR

Dr. Daniel Vallero is Research Physical Scientist, Human Exposure and Atmospheric Sciences Division, of the EPA National Exposure research laboratory, and is developing a system for prioritizing chemical ingredients based on their exposure potential. This includes both the inherent physicochemical properties as well as other human factors that may affect chemical exposures. He has established a protocol for characterizing exposure in risk assessments following emergencies. He and Dr. Liroy coined the term “5 R’s” to delineate how exposure assessment varies during the five stages following a disaster.



Michael Gochfeld, M.D., Ph.D. is a professor of Environmental and Occupational Medicine, Clinical Research and Occupational Medicine Division, Environmental and Occupational Health Sciences Institute, Robert Wood Johnson Medical School. One of his areas of interest is on the environmental consequences of energy options, examining nuclear options in the light of the spent nuclear fuel impasse and the Fukushima disaster vs unintended consequences of renewable energy.



Dr. B. Rey de Castro is a statistician and environmental health researcher with extensive experience in biostatistics, environmental epidemiology, exposure assessment, risk assessment, toxicology, and policy. Dr. de Castro utilizes his multi-disciplinary capabilities to elucidate the health consequences of environmental exposures, with emphasis on such pollutants as airborne particulate matter, black carbon, PAHs, acrolein, VOCs, perchlorate, and tobacco-related compounds.



Mitchell D. Erickson, Ph.D., Science Advisor, Science and Technology Directorate, U.S. Department of Homeland Security, facilitates DHS’ Science & Technology activities with other federal, state, tribal and territorial agencies in the Northeast (NJ to ME) and Caribbean (PR and USVI). He works with appropriate organizations in the Northeast to integrate vertically among the various organizations and horizontally across all threats. Dr. Erickson facilitates S&T projects within this region, such as field tests. He provides a conduit to subject matter experts for government homeland security agencies and first responders.



Mr. Harry L. Allen is a Federal On-Scene Coordinator and Chief of the Emergency Response Section (ERS) at EPA Region 9 (CA, AZ, NV, HI, and the Pacific Trust Territories). He conducts emergency responses and cleanups to environmental incidents involving oil, hazardous substances and other pollutants including large-scale natural disasters. Harry has expertise in environmental monitoring, sampling and cleanup at oil spill responses, abandoned chemical facilities, and abandoned mines emphasizing exposure assessments to radium, lead and arsenic. Harry holds a BS from Rutgers and a MS from the University of San Francisco.