

**CALIFORNIA COMMISSION ON HEALTH AND  
SAFETY AND WORKERS' COMPENSATION**

**Forum on Catastrophe Preparedness:  
Partnering to Protect Workplaces**

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**About the Conference  
Speakers, Presenters,  
and Moderators**

**April 7, 2006  
South San Francisco Conference Center  
South San Francisco, CA**

## ABOUT THE KEYNOTE SPEAKERS

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**Harvey G. Ryland** is the President and Chief Executive Officer of the Institute for Business and Home Safety (IBHS) and former Deputy Director of the Federal Emergency Management Agency (FEMA). Mr. Ryland joined IBHS in October 1996, after serving as Deputy Director of FEMA. While there, he worked closely with James Lee Witt, then Director of FEMA, to develop a new strategy for emergency management in the United States, emphasizing loss reduction through mitigation. From 1989 to 1993, Mr. Ryland was Executive Director of the Central United States Earthquake Consortium, whose mission is earthquake mitigation and preparedness in the New Madrid Seismic Zone. Mr. Ryland also often acts as a commentator to the press, as well as a speaker at events regarding preparation plans for small and medium-sized businesses facing disasters. He recently appeared on the Nightly Business Report on PBS where he discussed a pre-event property protection plan and a post-event business recovery plan. Mr. Ryland has been in the field of Emergency Management for over 30 years and holds Bachelor's and Master's of Science degrees in Engineering Science.

**Hemant Shah** is Co-Founder, President and Chief Executive Officer of Risk Management Solutions (RMS) and is Chairman of RMS' Japanese Joint Venture—OYO RMS. Hemant also serves on the Board of Directors of enterprise risk modeler ERisk, Inc., and on the Board of Directors of Property and Portfolio Research. He also serves on the Advisory Board of Institutional Investors' Journal of Risk Finance, and is a Director of the newly formed RAND Center for the Study of Terrorism and Political Violence. During his 15 years at RMS, he has played a central role in the changes that have taken place within the reinsurance industry through its adoption of technologies and risk-based strategies to manage catastrophe exposure. Mr. Shah has been recognized as a "Leader of the Future" by Global Reinsurance; one of "35 Rising Stars" by Business Insurance; a "Model Citizen" by Risk & Insurance; and in 2005 was surveyed to be amongst the "100 Insurance Industry Most Powerful – North America" by the Insurance Newscast. He serves as a Trustee to the Board of the University Corporation of Atmospheric Research (UCAR), located in Boulder, Colorado. UCAR manages the National Center for Atmospheric Research (NCAR), the focal point of U.S. government-sponsored research for understanding the behavior of the atmosphere and related systems of the global environment. He also serves on the Board of Overseers of St. John's School of Risk Management and Actuarial Science (College of Insurance), is a Director on the Board of RAND's Institute for Civil Justice, and a Director of the Singapore-based Institute for Defense and Strategic Studies. Mr. Shah received a Bachelor's degree in Civil Engineering and a Master of Science degree in Engineering Management from Stanford University.

## ABOUT THE FORUM MODERATORS

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**Christine Baker** has been the Executive Officer of the Commission on Health and Safety and Workers' Compensation (CHSWC) in Oakland since its inception in 1994. Since 1984, she has served in several management capacities in the California Department of Industrial Relations, including Chief of the Division of Labor Statistics and Research and Deputy Director for the Division of Workers' Compensation. Under her leadership, CHSWC has grown in its role of overseeing the health, safety and workers' compensation systems in California and recommending administrative and legislative changes for improvement. CHSWC bases its recommendations on findings from studies conducted by independent researchers and includes involvement of the entire workers' compensation community. In 2000, Ms. Baker received the Frances Perkins Award in recognition of her outstanding efforts in furthering accident prevention and safety in the workplace. In 2001, Ms. Baker received the International Association of Industrial Accident Boards and Commissions Award of Merit for an outstanding contribution of leadership and commitment in furthering the goals of the association. Most recently, Ms. Baker was nominated to the National Academy of Social Insurance as a member, as well as selected to be on the Steering Committee on workers' compensation. Ms. Baker earned a Master's Degree and achieved Ph.D. candidacy at the School of Education, University of California, Berkeley.

**Robert Reville, Ph.D.**, is the Director of the RAND Institute for Civil Justice and the Co-director of the RAND Center for Terrorism Risk Management Policy. As a labor economist, Dr. Reville focuses on compensation policy and has a national reputation in workplace injury compensation policy and the impact of disability on employment. He was recently appointed to the Board of Scientific Counselors of the National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention. He also serves on the Workers' Compensation Steering Committee of the National Academy of Social Insurance. As Director of the Institute for Civil Justice, Dr. Reville leads a highly-respected research organization within RAND that provides empirical research to inform policy decision-making on class actions and mass torts, jury verdicts, administration of justice, workers' compensation and other civil-justice issues. As a founding Co-director of the Center for Terrorism Risk Management Policy, Dr. Reville has built a new center within RAND to address policy issues related to terrorism victims' compensation, liability, risk management, risk modeling and insurance. Dr. Reville received his Ph.D. in economics from Brown University.

**Irina Nemirovsky** is Research Program Specialist II of the Commission on Health and Safety and Workers' Compensation with the California State Department of Industrial Relations. Under the direction of the Executive Officer of the Commission, Irina has participated in the development, evaluation, and implementation of the Commission's strategic plans and product development. She conducts research studies of the workers' compensation and health and safety systems in California and provides oversight of the Workers' Occupational Safety and Health Training and Education Program. Prior to her work with the Commission, she was a Consultant at the United Nations Development Program in New York from 1998-1999 and a Research Assistant at the Natural Heritage Institute in San Francisco in 1995. Ms. Nemirovsky received a Bachelor's degree in Political Economy and Environmental Science at the University of California, Berkeley, a Master of Science degree in Economic Development at Oxford University, United Kingdom.

## ABOUT THE CONFERENCE SPEAKERS

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**Robert Balgenorth** is President of the State Building and Construction Trades Council of California, AFL-CIO. The Council, representing more than 200 private-sector building trades, local unions and regional councils, works to improve the economic condition and health and job safety of approximately 400,000 working men and women in the state's construction industry. Mr. Balgenorth was first elected President of the Council in December 1993 and re-elected for his third consecutive four-year term in February 2004. Through the years, Mr. Balgenorth has served as a member or trustee of numerous labor boards, committees and trust funds. In 1994, he was appointed to the Board of the California Council for Environmental and Economic Balance and the California Foundation on the Environment and Economy. He is also Vice President of Californians for Better Transportation. In July 1996, Mr. Balgenorth was elected and presently serves as Vice President to the California Labor Federation, AFL-CIO. Mr. Balgenorth has served on many committees and boards for the State of California and was a commissioner on the California Apprenticeship Council from 1995 to 2001. In 1999, Governor Gray Davis appointed him to the Commission on Building for the 21<sup>st</sup> Century of which he served as Co-chair for the Facilities and Finance Committees. Since 2002, he has served as a board member to the California Workforce Investment Board and as Chair of the California Transportation Commission.

**Richard D. Baum** was appointed as Chief Deputy Insurance Commissioner of the Department of Insurance in July 2003. He held the same position during John Garamendi's first term as Insurance Commissioner. Mr. Baum is responsible for day-to-day functions of the Department of Insurance and assists Commissioner Garamendi and the executive staff in formulating departmental policy. During his first tenure at the Department of Insurance, Mr. Baum directed the daily operations of the Department and oversaw the conservation and rehabilitation of the two largest insurance company failures in California history. Mr. Baum has authored *The Consumer Product Safe Commission: An Agency Manual (1975)* and *The Comptroller General and Arbitration: The Last Word (1977)*. Mr. Baum earned his J.D., graduating magna cum laude, at George Washington University, National Law Center, a Master's degree in Education at the State University of New York, and a Bachelor's degree in History at Stanford University.

**Douglas Bloch** is a research analyst for the Service Employees International Union, Local 24/7 ("SEIU 24/7"), a union of over 5,000 private security officers who help protect commercial office and government buildings in San Francisco, Alameda, and Contra Costa Counties. Mr. Bloch works to develop and implement corporate, legal, legislative, and regulatory strategies to advance organizing and bargaining campaigns for the union, as well as track real estate and industrial trends. During the past two years, Mr. Bloch has been involved in the union's efforts to increase training standards for private security officers. Mr. Bloch has worked in the community and labor-organizing field since 1994. During that time, he worked in the Bay Area, the Pacific Northwest, and Thailand. A resident of Oakland, he is a graduate of the University of Washington in Seattle, where he was born and raised.

**David Bonowitz, S.E.**, is the Structural Engineer for California's Judicial Branch, responsible for engineering policy and earthquake risk reduction for courthouses throughout the state. He is presenting today as Chair of the Existing Buildings Committee of the Structural Engineers Association of Northern California. He is active on building-code committees at local, state, and national levels, and he serves on advisory panels for the San Francisco Department of Building Inspection and the Association of Bay Area Governments. David holds a Bachelor's degree from Princeton University and a Master's degree from the University of California, Berkeley.

**Phyllis Cauley** is Chief of the Preparedness Branch for the Governor's Office of Emergency Services where she has worked for 25 years. Her branch oversees state-level emergency-management planning, radiological preparedness, and geographic information systems. She has also served as Manager of the Planning Section and Technological Hazards Section and as Interim Coastal Region Administrator. She assisted in the development of California's Standardized Emergency Management System that has become a national model. Her emergency operations experience in numerous state and federally declared disasters includes work at state and regional Emergency Operations Centers and Joint Field Offices. Ms. Cauley has a Bachelor's degree in History from the University of California, Davis.

**Lynn E. Davis, Ph.D.**, is a Senior Political Scientist at RAND. Her current research focuses on Army force planning, homeland security, terrorism, and citizen preparedness. From 1993-1997, Lynn served as Under Secretary of State for Arms Control and International Security Affairs. She was a member of the Secretary of State's Accountability Review Board in 1998 that investigated the embassy bombings in East Africa. Prior to joining the State Department, Lynn was Vice President and Director of the Arroyo Center at RAND. She has also served on the staffs of the Secretary of Defense, the National Security Council, and the Senate Select Committee on Intelligence. She has taught at Georgetown University, the National War College, and Columbia University. Her recent RAND publications include: *Stretched Thin: Army Forces for Sustained Operations*; *Army Forces for Homeland Security*; *Coordinating the War on Terrorism*; *Individual Preparedness and Response to Chemical, Radiological, Nuclear, and Biological Terrorist Attacks*; *The U.S. Army and the New National Security Strategy*; and *Globalization's Security Implications*. She is a member of the Council on Foreign Relations, the International Institute for Strategic Studies, and the Trilateral Commission. Lynn has a Ph.D. in Political Science from Columbia University.

**Frances Edwards, Ph.D., CEM**, is the Director of Emergency Services (OES) for the City of San Jose and Vice Chair of the Collaborative for Disaster Mitigation. She has served as OES Director in San Jose for nine years, including one year as Acting Assistant Chief in the San Jose Fire Department. Dr. Edwards is also Director of San Jose's Metropolitan Medical Task Force, a terrorism-response unit that includes police, fire and medical personnel. Dr. Edwards is a certified trainer in five of the Department of Defense "Weapons of Mass Destruction/Nuclear, Biological, Chemical" courses and co-creator of the "Terrorism Awareness for Public Employees" course. She has written two chapters and co-authored a third in the "Terrorism" section of the Handbook of Crisis and Disaster Management, published in 2001. She participated in the Hoover Institution's Biological Terrorism Conference and has contributed a

chapter to the conference proceedings, *The New Terror*, published by Stanford in 1999. Her article on “Dealing with the Media in the Midst of Terrorism” is published by *James Internet Periodical* and is on the Harvard/Kennedy School of Government website. Her most recent article on terrorism-response planning appeared in the Department of Justice newsletter, *The Beacon*, in January 2001.

Dr. Edwards is a frequent speaker at professional conferences on terrorism-response issues. Dr. Edwards represented emergency management on the five-night “Bio-War” series on ABC’s “Nightline with Ted Koppel” in October 1999. She represented emergency management at the Fred Friendly Seminar for media leaders on New York City in July 1999, “Reporting on Weapons of Mass Destruction: Responsibility, Reliability, Readiness.” She has been a consultant to the JASON scientists and is a member of the Stanford University Working Group on Chemical and Biological Warfare. She is a member of the Executive Session on Terrorism at the Kennedy School of Government at Harvard University and the National Academy of Sciences Institute of Medicine Metropolitan Medical Task Force review committee, and she was a participant on the RAND Corporation evaluation of bio-terrorism readiness in February 2000. Dr. Edwards is a winner of the California Emergency Services Association Gold and Platinum Awards and is the first recipient of the John Fetz Memorial Award. Dr. Edwards has a Ph.D. in Public Administration and a Certificate in Hazardous Materials Management.

**Robert M. Fredianelli** is the Area 1 Director of Maintenance and Construction with Pacific Gas and Electric (PG&E) delivering gas and electric services to one of PG&E’s highest-density markets of residential and commercial customers in San Francisco and San Mateo Counties. He provides leadership to over 800 employees in a changing California utility business. He has successfully completed the Energy Services Executive Program from the University of Michigan and PG&E’s Executive Development Program. He has a Bachelor of Science degree in Civil Engineering from Santa Clara University and is also a registered Civil Engineer.

**Judith S. Freyman** is the Vice President, ORC Western Occupational Safety and Health (WOSH) Operations. Judith has been with ORC since 2001. She is an attorney with more than 20 years of experience addressing occupational safety and health issues in a Fortune 500 corporation. She identifies health and safety issues of concern in the Western States, initiates contacts with agencies impacting occupational and environmental health issues, works with member companies in the regulatory process, and analyzes and comments on proposed regulations. She participates in rulemaking processes at the state level and provides interpretation of existing regulations. She also develops the agenda, selects and secures the speakers, and coordinates the Quarterly Meetings of the WOSH Group and is responsible for member task forces on various safety topics.

**Mark Ghilarducci** currently serves as Vice President and Director of the Western States Regional Office of James Lee Witt Associates, providing technical expertise and consultation services to government and the private sector on Crisis and Consequence Management, Emergency Services, Homeland Security and Government Affairs. Mr. Ghilarducci has over 25 years of diversified service in the Emergency Management, Fire, EMS and Rescue disciplines. He is the former Deputy Director of the California Governor’s Office of Emergency Services (OES). Appointed in December 2000 by Governor Gray Davis, he was responsible for statewide Emergency Operations & Public Safety, Planning and Training. As deputy director, Mr.

Ghilarducci chaired the Technical Committee of the State's Standardized Emergency Management System (SEMS) Advisory Board and co-chaired both the State Strategic Committee on Terrorism, the Governor's Homeland Security Advisory Body, and the State Emergency Response Commission.

Operationally, Mr. Ghilarducci has been involved in disaster response and recovery activities resulting from hundreds of major incidents within California, nationally and internationally. He has served in both command and technical advisory positions at many high-profile and complex events, including: the collapse of the I-880 Cypress Freeway in Oakland, following the 1989 Loma Prieta Earthquake; the 1995 Great Hanshin (Kobe) earthquake, providing technical advice on fire, rescue and recovery operations to the Japanese Foreign Ministry and Prefectural Governments of Osaka and Kobe; as commander of the National US&R Incident Management Team, dispatched to manage technical urban search and rescue operations following the 1995 bombing of the Alfred P. Murrah Federal Building in Oklahoma City; and as coordinator of the California response to the World Trade Center and Pentagon Terrorist attacks in 2001. At the national level, Mr. Ghilarducci sits as an appointee to the National US&R Response System Advisory Committee. He also sits as an expert panelist for the RAND Corporation at the Center for Domestic and International Health Security, California Public Health Infrastructure Project, and he is one of ten individuals chosen to train mayors and other senior city and state officials throughout the United States in terrorism preparedness, strategy, response and recovery for the U.S. Departments of Defense and Justice under the Nunn-Lugar-Domenici anti-terrorism programs. Mr. Ghilarducci received his Bachelor's degree in 1987 from the University of California, Davis, and in 1996, was named Young Alumnus of the Year by the University. He is a 1998 graduate of the Fellowship Program for Senior Executives in State and Local Government at Harvard University, John F. Kennedy School of Government.

**Deborah Gold** is a Senior Industrial Hygienist with the California Division of Occupational Safety and Health, Cal/OSHA since August 2000. She is DOSH Avian Influenza Preparedness Program Coordinator and principal author of the nation's first proposed aerosol transmissible disease standard. She develops internal health and safety programs focusing on areas in aerosol-transmissible diseases, bloodborne pathogens, emergency response, hazardous waste, isocyanates, respiratory protection, eyewash and emergency shower facilities. Prior to that assignment, she was an Assistant/Associate Industrial Hygienist in the field-enforcement program of Cal/OSHA. She has also worked with the Labor Occupational Health Program at the University of California, Berkeley, on preparing training materials for physicians on workers' compensation practice. From 1986 through 1989, she was the Health and Safety Officer for the San Francisco American Postal Workers Union, where she coordinated the local's health and safety programs and worked on the emergency response, bloodborne pathogens and hazard communications programs for the San Francisco Division of the US Postal Service. Ms. Gold is a Certified Industrial Hygienist, American Board of Industrial Hygiene, and a member of the American Public Health Association and the American Conference of Governmental Industrial Hygienists. Ms. Gold received her Master's of Public Health degree, with a specialty in Industrial Hygiene, at the University of California, Berkeley in 1993.

**Scott G. Hauge** is the President and owner of CAL Insurance & Associates, Inc., San Francisco. The company was founded in 1927 and currently has 30 employees. The agency specializes in providing insurance for small to medium-sized businesses. Mr. Hauge has been a leading advocate for small and medium-sized businesses. He has introduced government legislation that has affected business on local, state and national levels. He is considered one of the insurance industry's leaders in setting guidelines and has received numerous awards and countless commendations for his efforts. Mr. Hauge is renowned for his knowledge on how to best protect and serve the business community. He is currently a member of over 20 boards and commissions in San Francisco and California. He is the founder of the San Francisco Small Business Advocates and, most recently, Small Business California.

**Brian A. Jackson, Ph.D.**, is a physical scientist at RAND where he has conducted research on emergency management, homeland security, technology assessment, and terrorism. His terrorism-related work has included analyses of tactical and operational learning by terrorist groups, an ongoing research effort examining terrorist groups and technology concerns, development of terrorist-attack scenarios for a variety of targets, command and responder protection during responses to major disasters and terrorist attacks, and the economic effects of terrorism. His publications include articles on technology adoption by terrorist organizations, Volumes 1 and 2 of *Aptitude for Destruction*, which examine organizational learning in terrorist groups, and Volumes 1 and 3 of *Protecting Emergency Responders*. He holds a Bachelor's degree in chemistry from Haverford College, a Master's degree in Science, Technology, and Public Policy from George Washington University, and a Ph.D. in Chemistry from the California Institute of Technology.

**Dallas Jones** is the immediate former Director of the California Governor's Office of Emergency Services (OES). Appointed to his position by Governor Gray Davis, Mr. Jones managed the largest State Emergency Management System in the U.S where he directed emergency planning, response, recovery and mitigation operations from numerous state and federally declared disasters, including a severe freeze, two serious earthquakes, the exotic New Castle Disease Outbreak, and numerous catastrophic wildfires, including 2003 Southern California Fire Siege. Additionally, Mr. Jones directed California's anti-terrorism planning, preparedness, and response operations in the wake of the 9/11 terrorist attacks.

Mr. Jones served as Chairman of the State Strategic Committee on Terrorism (SSCOT), the Governor's Homeland Security Body, and led the implementation of Governor's Executive Order D-47-01, which required SSCOT to assess California's readiness for a terrorist attack on its vital infrastructure and economy. Mr. Jones also was appointed by the Governor as a member of the terrorism training and exercise policy committee. Mr. Jones has served as Vice President for the National Emergency Management Association (NEMA), Region IX. NEMA provides national leadership and expertise in comprehensive emergency management, serving as a vital emergency management information and assistance resource. As a member of the Western States Seismic Policy Council (WSSPC), Mr. Jones served on the Board of Directors. WSSPC provides a broad regional and multidisciplinary forum to enhance and create opportunities for seismic hazards mitigation.

In addition to his extensive work in California's emergency response and recovery operations, Mr. Jones served at the national level as a member of the Gilmore Commission, a congressionally established advisory panel that examined the nation's emergency response capabilities for terrorism, and has served as an Advisory Board Member to the National Urban Search and Rescue (US&R) Response System and the Federal Emergency Management Agency (FEMA). Prior to his tenure at OES, Mr. Jones served for 32 years with the Los Angeles County Fire Department. During his 16 years as President of the Los Angeles County Fire Fighters, he was the organization's chief negotiator on labor contracts representing over 2,400 members. He also served as Vice President of both the California Labor Federation and the Los Angeles County Federation of Labor and served on the State Board of Fire Services. Additionally, Mr. Jones serves as Secretary-Treasurer of the 34,000-member California Professional Fire Fighters.

**David Keeton** is the Risk/Product Manager, Extreme Events with Swiss Re Americas. He is responsible for managing risk and products relating to extreme events within Swiss Re, Division Americas. Since joining Swiss Re in 1997, Mr. Keeton has worked as an underwriter, actuary and risk manager. Prior to joining Swiss Re, he owned a structural engineering firm in Southern California where one of his specializations was post-earthquake forensic evaluations. Mr. Keeton is the engineer of record on a wide variety of buildings throughout California. He became a licensed structural engineer in California after earning his Bachelor's degree in Architectural Engineering from California Polytechnic State University at San Luis Obispo, California.

**Maxim Kiefer, MS, CIH**, is the Associate Director for Emergency Preparedness and Response with the National Institute for Occupational Safety and Health (NIOSH). Max Kiefer began with CDC/NIOSH in 1991 as an industrial hygienist conducting health-hazard evaluations in the Atlanta Field Office. Max has a Bachelor's degree in Environmental Health/Microbiology and a Master's degree in Industrial Hygiene and is an American Board Industrial Hygiene-Certified Industrial Hygienist (1987).

**Lawrence T. Klein** is Acting General Manager of the San Francisco Public Utilities Commission (SFPUC). He was appointed to the Seismic Safety Commission in April 2001, whose mission is to improve the well being of Californians through cost-effective measures that lower earthquake risk to life and property. Mr. Klein joined the SFPUC in 1986 in the Hetch Hetchy Project and has been the SFPUC Assistant General Manager for Operations since January 2000. From 1985 to 1986, he was a Vice President of Resource Management International, Inc., and Project Director of the California Oregon Transmission Project. From 1984 to 1985, Mr. Klein was the Project Director for the Clavey-Wards Ferry/Ponderosa Project for the Modesto/Turlock Irrigation Districts, and from 1972 to 1983, he managed Western Operations for NUS Corporation, a consulting firm specializing in energy and the environment. Mr. Klein earned a Bachelor's degree in Chemical Engineering from the Polytechnic Institute of Brooklyn, a Master of Business Administration Degree from the University of California, Los Angeles, and a Master's degree in Nuclear Engineering from Oak Ridge School of Reactor Technology in Tennessee.

**Tom LaTourrette, Ph.D.**, is a physical scientist at RAND. His expertise is on emergency response, adequacy of federal emergency-response capabilities, the role of emergency responders in large-scale disasters, energy and natural resources. He has research experience in the subject of personal preparedness, emergency-responder needs and capabilities, with an emphasis on safety and health, emergency-response operations, and resource requirements. Recent projects resulted in a two-volume report on lessons learned from terrorist attacks and the safety and health risks and personal-protection needs of emergency responders. He has also researched energy and natural resources, focusing on using economic and environmental considerations to assess natural gas and oil resources, particularly in the Rocky Mountain region. He has examined several issues of mining policy, including emerging critical technologies, the economic implications of a new mine development and mining policy in China. Other research specialties include natural hazards and science and technology research priorities. He is a member of the American Association for the Advancement of Science and the American Geophysical Union. From 1997 to 1999, he was a member of the Rubey Faculty Fellow, Department of Earth and Space Sciences, University of California, Los Angeles. Mr. LaTourrette earned his Bachelor's degree at the University of California, Berkeley, and in 1993, earned his Ph.D. in Geology from the California Institute of Technology.

**Elizabeth (Betsy) H. Lyman** is the Deputy Director, Public Health Emergency Preparedness for the California Department of Health Services (CDHS). She is responsible for coordinating CDHS's emergency preparedness and response to all hazards. Ms. Lyman is the Program Manager for federal bioterrorism preparedness grants from the Centers for Disease Control and Prevention and the Health Resources Services Administration. Ms. Lyman has over 25 years experience in CDHS, working in several program areas, including Family Health, Children's Medical Services, Women, Infants and Children (WIC) Nutrition; Medical, and Vital Records. Most recently, she was the Assistant Deputy Director of Primary Care and Family Health. Prior to coming to California, Ms. Lyman worked for the New York Medicaid program and conducted managerial studies in community health centers in Boston, Massachusetts. Ms. Lyman has a Master's degree in Public Health with an emphasis in medical care organizations from the University of Michigan.

**Raymond Richard Neutra, M.D.**, is the Chief of the Division of Environmental and Occupational Disease Control of the California Department of Health Services (CDHS). Dr. Neutra is also the Chief of the Electric and Magnetic Fields Program (EMF), a multi-year study of policy-related research. Prior to accepting his current position, Dr. Neutra worked for 15 years developing an environmental health investigations capacity in CDHS, serving as Section Chief and then as Branch Chief. Before joining CDHS in 1980, he was a tenured Associate Professor of Epidemiology at the UCLA Medical School and the School of Public Health (1977-1980) and an Assistant Professor at the Harvard Medical School and the School of Public Health (1973-1977). He carried out epidemiological research in Cali, Colombia, for three years and was medical officer for the Indian Health Service on the Navajo reservation in New Mexico (1966-1968).

Dr. Neutra is co-author of a textbook on clinical quantitative decision analysis and has published more than a hundred scientific articles or book chapters. He has been President of the International Society for Environmental Epidemiology, from which he received the John Goldsmith award for career achievement. He has served on the scientific advisory boards of the

National Institutes of Health, the Agency for Toxic Substances and Disease Registries, and the World Health Organization where he chaired a workshop on the *precautionary principle*. He is or has been on the editorial boards of *Epidemiology*, *Annals of Environmental Health*, *Human and Ecological Risk Assessment*, and *Environmental Health*, an on-line journal. Dr. Neutra received his Bachelor's degree from Pomona College, his Medical degree from McGill University in Montreal, Canada, and his Master's and Doctorate degrees in Epidemiology from the Harvard School of Public Health. He is board certified in preventive medicine.

**Michael Nolan** is President of the Oakland-based California Workers' Compensation Institute. The Institute, established in 1964, is a private, nonprofit corporation that serves as the research and information arm of California's \$15 billion-a-year workers' compensation industry. Institute members include insurers that write over 80 percent of the workers' compensation business in the state, as well as more than two dozen public and private self-insured employers. Mr. Nolan joined the Institute on June 15, 2001, bringing with him 30 years of experience in the insurance industry, having held legal and management positions with several large insurers, including Senior Vice President, General Counsel and Secretary of Argonaut Insurance Company, where he managed the varied legal activities of Argonaut's insurance group. Mr. Nolan is a member of RAND's Insurance Advisory Committee and various advisory committees for the Division of Workers' Compensation and Commission on Health and Safety and Workers' Compensation. He has served on the Board of Governors of the California Insurance Guarantee Association and on the Laws Committee of the National Association of Independent Insurers, and he is a past member of the Board of Directors of the National Council on Compensation Insurance. Mr. Nolan is a graduate of St. Bonaventure University in New York and Georgetown University Law Center.

**Jeanne B. Perkins** is the Earthquake Program Manager for the Association of Bay Area Governments (ABAG) and a major proponent of development of ABAG's popular website on earthquakes. She has served as the Principal Investigator for several research projects focusing on earthquake-preparedness issues in the Bay Area and has a long history of working with other earthquake issues, including research on liability for earthquake losses and hazardous materials problems in earthquakes. Her research on improving earthquake-hazard maps for the San Francisco Bay Area resulted in the May 1995 publications of a revised report, *The San Francisco Bay Area -- On SHAKY Ground*, and a September 1998 *Supplement* to that report, *Riding Out Future Quakes*, in October 1997 (updated in April 2002), and the March 1999 planning report, *Ideas for Action*. She also helped to revise the liquefaction hazard mapping for the Bay Area and was the principal author of the February 2001 report, *The REAL Dirt on Liquefaction*. She is involved in a number of projects estimating uninhabitable housing units, numbers of displaced people and resulting shelter populations in future Bay Area earthquakes, resulting in the report *Shaken Awake!* issued in April 1996. She has led ABAG's research on the status of earthquake retrofitting of single-family and multifamily housing, as well as the reasons why owners retrofit and do not retrofit, which resulted in the report *Preventing the Nightmare* in October 1999. In 2004, she was the recipient of the Mitigation Award for Excellence for ABAG's Home Quake Safety Toolkit & Outreach Education Program.

**Henry Renteria** is the Director of the Governor's Office of Emergency Services (OES). Since his appointment by Governor Arnold Schwarzenegger on May 3, 2004, Mr. Renteria has directed the State's response and recovery efforts for the State of Emergency in San Joaquin County following the Jones Tract Levee break, as well as the major disasters declared by the President after heavy rains, flooding and mudslides affected several California counties from December 2004 through February 2005. Currently, Mr. Renteria is guiding State recovery efforts stemming from severe rain and storms that have led to a State of Emergency proclamation covering 34 of California's 58 counties.

Mr. Renteria is a member of the National Emergency Management Association (NEMA) and, as Chair of the Region IX Committee for NEMA's Board of Directors, represents Region IX states in the development of NEMA positions and policies. Prior to his appointment as OES Director, Mr. Renteria was at the helm of the City of Oakland's Office of Emergency Services. While there, he coordinated the city's response and recovery operations for the 1991 Oakland Hills Firestorm, the 1989 Loma Prieta Earthquake and six other Presidential Declared disasters. During his tenure in Oakland, Renteria helped design and implement the original Emergency Managers Mutual Aid Program (EMMA) deployed to Southern California following the 1994 Northridge Earthquake. He was also responsible for citywide disaster planning, response, recovery, and mitigation programs and management of the Homeland Security and Hazardous Material Regulatory Programs. Mr. Renteria has served as State President of the California Emergency Services Association and the International Association of Emergency Managers.

**Robert Samaan** is Deputy Director for Federal Affairs. Mr. Samaan handles all the Federal Relations back to the Federal Department of Homeland Security (DHS) and other Federal agencies with a Homeland Security nexus. This includes the agencies that fall within the DHS management structure to include Immigrations and Customs Enforcement, U.S. Customs and Border Protection, the U.S. Coast Guard, Transportation Security Administration and Border Patrol. Special projects include interoperability, border security and port security. Robert works to resolve issues with DHS both locally and in Washington D.C. Prior to joining the California Office of Homeland Security, Mr. Samaan worked at the U.S. Department of Homeland Security during its infancy through its transition to Secretary Chertoff. While with DHS, Mr. Samaan assisted the Director in coordinating efforts for State and Territorial affairs within the Secretary's Office of State and Local Government Coordination.

Mr. Samaan served as the State and Local Office's Coordinator for the Principle Federal Official (PFO) teams for both the Democratic National Convention and the Republican National Convention. Mr. Samaan has also served on the Secretary's Interagency Incident Management Group (IIMG) for numerous exercises and during periods of heightened alert, as well as directly reporting to the IIMG for the national political conventions. While with DHS, he was awarded the Secretary's Award for Exemplary Service by Secretary Tom Ridge. Mr. Samaan holds a Bachelor's degree in Political Science from Lee University in Tennessee and a Master's degree in Political Management from the George Washington University in Washington, D.C.

**Skip Skivington** is the Director of Operations, Procurement & Supply for Kaiser Permanente in Oakland, California, and is responsible for the executive oversight of Kaiser Permanente's Supplier Diversity, Nutritional Services, Materials Management, and Healthcare Continuity Management programs. Since 2000, he has been responsible for the implementation of a formal healthcare-continuity management program throughout all Kaiser Permanente facilities located in 9 states and the District of Columbia. In addition to directing this formal planning process, and immediately following the anthrax attacks in October 2001, Mr. Skivington formed and now directs Kaiser Permanente's threat-assessment program consisting of an executive oversight council and functional working groups in the disciplines of clinical medicine (physicians, nursing and laboratories), facilities, community linkages, people, legal, communications and education, supply chain and public policy.

Mr. Skivington is a member of the State of California Joint Advisory Committee for terrorism preparedness, the State of California Department of Health Services Public Health Strategic Planning Committee, and the American Health Insurance Plans' Disaster Readiness Committee. He is also a member of The Conference Board's Crisis Management Council and is a frequent speaker on the issue of medical preparedness in the event of a terrorist attack. Following Hurricanes Katrina and Rita, Mr. Skivington led two Kaiser Permanente medical-response teams consisting of physicians, nurses and mental-health providers to the Gulf Region at the request of the U.S. Surgeon General and the State of California. Prior to his national assignment with Kaiser Permanente, he was an Area Director of environmental health and safety within Kaiser Permanente's Southern California Region. Mr. Skivington holds both Bachelor's and Master's degrees in Business Administration.

**Robert R. Snashall** is the founding member of Snashall Associates, a New York-based law firm which provides legal expertise and counseling on an extensive array of workers' compensation matters. He is also the past chairman of the New York State Workers' Compensation Board, where he served for eight years (1995-2003) as Governor George E. Pataki's appointee during a period of reform and modernization of the state's workers' compensation system as well as the agency which administers it. During Mr. Snashall's tenure as Chairman, the New York State Workers' Compensation Board successfully implemented the State's landmark legislative reforms and substantially improved in the areas of technology, facilities, operations and compliance. Under Mr. Snashall's leadership, the Board also efficiently and compassionately processed the unprecedented number of workers' compensation claims relating to the September 11, 2001 World Trade Center attacks.

Mr. Snashall is an active member of the International Association of Industrial Accident Boards and Commissions (IAIABC), where he has served as Chair of the Associate Members Council as well as the Legislative and Regulatory Committee. Mr. Snashall is also member of the National Academy of Social Insurance and a member of the Board of Directors of the American Society of Workers' Compensation Professionals. He serves on the Board of Directors of the Employer Services Assurance Corporation and as a member of the Board of Directors of the Workers' Compensation Risk Management Certification Program, as well as the Tax & Benefits Certification Board of the Certification Institute. Over the years, Mr. Snashall has been honored and recognized by a number of organizations, including the IAIABC, International Association of Rehabilitation Professionals, New York State (NYS) AFL-CIO, NYS Business Council, NYS Bar Association and NYS Self Insurers' Association.

**Angie Wei** is the Legislative Director of the California Labor Federation, the state AFL-CIO. The State Federation represents 1,200 affiliated unions and over two million workers covered by collective bargaining agreements. Ms. Wei is also the 2006 chair of the California Commission on Health and Safety and Workers' Compensation, Department of Industrial Relations. Previously, Ms. Wei was a Program Associate for Policyline of Oakland, California, and advocated for the California Immigrant Welfare Collaborative, a coalition of four immigrant-rights organizations which came together to respond to cuts in public benefits for immigrants as a result of the 1996 federal welfare reform law. Ms. Wei holds a Bachelor's degree in Political Science and Asian American Studies from University of California, Berkeley, and a Master's degree in Public Policy from the Kennedy School of Government at Harvard University.

**Vickie L. Wells** is the Occupational Safety & Health (OSH) Section Director for the San Francisco Department of Public Health. Ms. Wells established and currently manages the city-wide OSH Program and has developed and managed an effective return-to-work program for the Department of Public Health. She works with City and County of San Francisco departments to develop and implement effective Loss Control programs. Prior to working as OSH Section Director, Ms. Wells served as an Industrial Hygienist for the Mare Island Naval Shipyard, Naval Hospital in Oakland, and for the San Francisco Department of Public Health. She is certified in the Comprehensive Practice of Industrial Hygiene by the American Board of Industrial Hygiene and is accredited as a Building Inspector/Management Planner and Contractor/Supervisor for asbestos under the Asbestos Hazard Emergency Response Act regulations. Ms. Wells currently serves as President of the California Industrial Hygiene Council, the State Governmental Affairs organization for the American Industrial Hygiene Association (AIHA) in California. She also currently serves as the Governmental Affairs Committee chair for the Northern California Section of the AIHA. In January 2002, Ms. Wells will begin her term as Vice-Chair Elect for the American Conference of Governmental Industrial Hygienists. Ms. Wells received the Dr. Christine Einert Award in appreciation of outstanding contributions to the Northern California Section of the AIHA. She received a Bachelor's degree in Biology and University of California, San Diego, and a Master of Science degree in Environmental Health at the University of Cincinnati, School of Medicine.

**Mary Lou Zoback, Ph.D., C.S.**, is currently a Senior Research Scientist with the United States Geological Survey (USGS) Western Earthquake Hazards Team, Menlo Park, CA, and serves as the Regional Coordinator for the USGS Northern California Earthquake Hazard Program. She is also chair of the Steering Committee for the 1906 Earthquake Centennial Alliance. Zoback joined the USGS in 1978 after receiving her Ph.D. in geophysics from Stanford University. From 1999-2002, she was Chief Scientist of the USGS Western Earthquake Hazards team. Her primary research interest is the relationship between earthquakes and stress in the earth's crust. Areas of study include the San Andreas fault system, the Basin and Range Province of the western United States, as well as intraplate regions such as the central and eastern United States. Dr. Zoback has served on numerous national committees and panels on topics ranging from continental dynamics, storage of high-level radioactive waste, and science education. She is active in several professional societies, is past-President of the Geological Society of America and currently serves on the Council of the National Academy of Sciences. Dr. Zoback was awarded the American Geophysical Union's Macelwane Award in 1987 for "significant contributions to the geophysical sciences by a young scientist of outstanding ability" and in 1995 was elected into the National Academy of Sciences.