

The Accidents at Fukushima Dai-Ichi: Speakers

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Dr. Ken Buesseler



Dr. Buesseler is a Senior Scientist at the Woods Hole Oceanographic Institution who specializes in the study of natural and manmade radionuclides in the ocean. His work includes studies of fallout from atmospheric nuclear weapons testing, assessments of Chernobyl impacts on the Black Sea, and examination of radionuclide contaminants in the Pacific resulting from the Fukushima nuclear power plants. Dr. Buesseler has served as Chair of the Marine Chemistry and Geochemistry Department at WHOI, as Executive Scientist of the US Joint Global Ocean Fluxes Planning and Data Management Office and two years as an Associate Program Director at the US National Science Foundation, Division of Ocean Sciences, Chemical Oceanography Program. In 2009 he was elected Fellow of the American Geophysical Union and in 2011 he was noted as the top cited ocean scientist by the Times Higher Education for the decade 2000-2010.

Dr. Heather Goldstone



Dr. Goldstone is science editor at WCAI and host of Living Lab on The Point, a weekly show exploring how science connects with other facets of society and daily life, including economics, politics, education, and art. She holds a Ph.D. in ocean science from M.I.T. and Woods Hole Oceanographic Institution, and spent a decade as researcher before leaving the lab to pursue journalism. Goldstone has reported extensively on Woods Hole's unique scientific community and key environmental issues on Cape Cod. Her stories have appeared in outlets ranging from Cape Cod Times and Commercial Fishery News to NPR's Morning Edition and PBS News Hour. Goldstone hosted Climatide.org, an NPR-sponsored blog exploring present-day impacts of climate change on coastal life.

Dr. Jota Kanda



Dr. Kanda graduated with a B.Sc. in Biological Sciences (Plant Science) from the School of Science at the University of Tokyo, and completed his graduate study with a Ph.D. in 1987 at the former Ocean Research Institute at the University of Tokyo. He is a Professor, and currently serves as the Vice Dean, at the Graduate/Undergraduate Faculty of Marine Sciences, Tokyo University of Marine Science and Technology. His researches are extended to various processes of material cycling in oceanic systems and include experimental studies on transfer of ^{15}N tracer among marine biota. After the incident at the Fukushima Dai-ichi Nuclear Power Plant, he jointly organized and led several research expeditions in coastal waters off Fukushima.

Dr. Jian Lin



Dr. Lin is a Senior Scientist and Henry Bigelow Chair for Excellence in Oceanography at the Woods Hole Oceanographic Institution. He specializes in marine geophysics and earthquake research, has conducted research of the 2011 Japan earthquake and tsunami, and has served on the U.S. National Academy of Science's Committee on Tsunami Warning and Forecasting System. Dr. Lin has studied earthquake stress interaction worldwide and was recognized by the Institute for Scientific Information as one of the most cited earthquake researchers. He has served as chair of the InterRidge international science program and has co-led international ocean expeditions to investigate global mid-ocean ridges and hydrothermal vents, volcanic hotspots, marginal seas, and deep-ocean trenches. Dr. Lin was elected a Fellow of the Geological Society of America in 2007 and a Fellow of the American Association for the Advancement of Science in 2008.

Prof. Hiroyuki Matsuda

Prof. Matsuda works at Yokohama National University, where his research encompasses studies of adaptive management and co-management of marine protected areas, risk analysis, and game theory. He is the author of two Japanese textbooks on ecology, one of which focuses on the science and ecosystem management of fisheries. His theoretical work on fisheries management has resulted in new ideas, including the "cyclic advantage model," of sardine-anchovy-chub mackerel, in which Matsuda proposed a hypothesis for small pelagic fish stock fluctuations, and "target switching," a novel, multi-species management strategy.



Mr. Dennis Normile

Dennis Normile is the Tokyo correspondent for *Science* magazine and covers scientific developments throughout East Asia. He grew up near Philadelphia, studied civil engineering at Villanova University, and briefly considered graduate work in geology. Instead, he worked as a structural engineer in Philadelphia and later in Anchorage, Alaska, before moving to Japan and transitioning to journalism. In Japan, Dennis worked for the *Nihon Keizai Shimbun*, Japan's largest economic daily, and freelanced for several years before becoming the Japan correspondent for *Science* in 1995. He has also contributed articles to the *New York Times*, the *Financial Times*, the *Christian Science Monitor*, *New Scientist*, *Playboy* and *Oceanus*, among other publications. In 2004, Dennis and a colleague at *Science* shared the American Society for Microbiology's Public Communications Award for their stories on severe acute respiratory syndrome (SARS) in China.



Dr. James Seward



Dr. Seward is Medical Director at Lawrence Livermore National Laboratory and holds academic appointments as Clinical Professor of Medicine at the University of California San Francisco (UCSF) and Clinical Professor of Public Health at the University of California Berkeley (UCB). He also teaches occupational medicine and preventive medicine at the UCB School of Public Health, serves as Chair of the UCSF Occupational Medicine Residency Advisory Committee, is Co-Director of the UCSF-UCB Joint Residency Program in Preventive Medicine and Public Health, and is a member of the UCSF Global Health Sciences Faculty. He received his medical training at UCSF and also completed residencies in Internal Medicine and Occupational Medicine at UCSF. Dr. Seward is board certified in Internal Medicine and Preventive Medicine (Occupational Medicine), completed a Masters in Medical Management at Tulane University, and holds a Masters in Public Policy from UCB. He was a Robert Wood Johnson Clinical Scholar and a Fulbright Scholar and is a Fellow of the American College of Occupational and Environmental Medicine, the American College of Preventive Medicine, and the American College of

Physician Executives. Dr. Seward is currently a member of the Board of the American College of Occupational and Environmental Medicine. He is past President of the Western Occupational and Environmental Medicine Association and has served as the Occupational Medicine Regent for the American College of Preventive Medicine and is also past president of the California Academy of Preventive Medicine.

Dr. Mitsuo Uematsu

Dr. Uematsu received his Ph.D. in Geochemistry from Hokkaido University in 1980. He is currently a Professor and the Director of the Center for International Collaboration at the University of Tokyo's Atmosphere and Ocean Research Institute. His major research interests include the long-range transport of natural and anthropogenic substances over the ocean and the properties of marine aerosols, including their impact on the marine environment and their feedbacks on atmosphere. He currently serves as a member of the Scientific Committee of the International Geosphere-Biosphere Programme (IGBP SC).



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