

Catalyzing Opportunities for Research in the Earth Sciences (CORES): Workshop on Management Models for Future Seismological and Geodetic Facilities

Committee

Douglas Hollett

Chair

Douglas Hollett is president of Melroy-Hollett Technology Partners, which focuses on advanced technology and policy solutions in the aerospace and energy sectors, and is senior energy advisor at Nova Systems, an Australia systems engineering provider in the energy, aerospace, and defense sectors. Additional engagements include advisor with SmartUQ, a Wisconsin uncertainty quantification company; advisor to FERVO, a California geothermal company; member of the Sandia National Laboratory Energy and Homeland Security Board; and the Commonwealth Scientific and Industrial Research Organisation Energy Advisory Committee (Australia). Mr. Hollett is the former acting assistant secretary and principal deputy assistant secretary in the Office of Fossil Energy at the U.S. Department of Energy. Previously, he served as Deputy Assistant Secretary for Renewable Power in the Office of Energy Efficiency and Renewable Energy where he oversaw research and development in solar, wind, geothermal, hydro, marine hydrokinetics, and grid modernization. At DOE, Mr. Hollett also conceived and implemented the Frontier Observatory for Research in Geothermal Energy's enhanced geothermal system (FORGE EGS) test project for geothermal energy and was co-chair of the SubTER geologic research initiative. Prior to government service, Doug had over 29 years in the oil and gas sector including as Director of Unconventional New Ventures, Manager of International Exploration, and general manager and vice president, Atlantic Canada with Marathon Oil. He holds a B.A. in geology from Williams College and an M.S. in geology from the University of Utah.

Gregory C. Beroza

Member

Gregory C. Beroza is the Wayne Loel Professor of Earth, Energy, and Environmental Sciences in the Department of Geophysics at Stanford University. His research concerns earthquake science broadly with a focus on developing techniques for analyzing seismograms to understand how earthquakes work and to help quantify the hazards they pose. Since 2007, he has been first deputy-director then co-director of the Southern California Earthquake Center (SCEC). His principal responsibility in that role is to chair the planning committee, which guides and coordinates the core research program of the SCEC collaboration. Since 2013 he has also been co-director of the Stanford Center for Induced and Triggered Seismicity. His current research includes using ambient field measurements for ground motion prediction, developing data-mining and machine-learning methods for earthquake detection and characterization, and understanding the systematics of induced, slow, and intermediate-depth earthquakes. He has authored over 150 peer-reviewed scientific journal articles. Dr. Beroza was an NSF Presidential Young Investigator, has been a fellow of the American Geophysical Union since 2008, was the Incorporated Research Institutions for Seismology/Seismological Society of America's Distinguished Lecturer in 2012, and was awarded the Beno Gutenberg Medal of the European Geosciences Union in 2014 for outstanding contributions to seismology. He holds a B.S. in Earth sciences from the University of California Santa Cruz and a Ph.D. in geophysics from the Massachusetts Institute of Technology.

Timothy H. Dixon

Member

Timothy H. Dixon is a professor in the School of Geosciences at the University of South Florida. His research uses satellite geodesy and remote sensing data to investigate changes in the Earth's land and water surfaces. These geodetic data allow study of a variety of natural and anthropogenic processes including strain accumulation on faults, volcano deformation, mountain building, coastal subsidence, ground water extraction, and glacier motion. He has conducted geological field investigations on several continents, participated in sea-going campaigns, organized GPS field programs, conducted glacier studies in Iceland and Greenland, and conducted volcano deformation studies in Central and South America. He is a fellow of the American Geophysical Union, the Geological Society of America (GSA), and the American Association for the Advancement of Science. He is the 2010 recipient of GSA's Woollard Award for excellence in geophysics. He previously worked at the National Aeronautics and Space Administration's (NASA's) Jet Propulsion Laboratory and at NASA Headquarters. Dr. Dixon received a B.Sc. with honors in geology from the University of Western Ontario and a Ph.D. from Scripps Institution of Oceanography.

Holly E. Given

Member

Holly K. Given is director of the Science Support Office for the International Ocean Discovery Program (IODP), an international research collaboration using deep-sea drilling platforms to access geological samples and data to study the Earth system. A geophysicist with experience in academic, federal agency, international organization, and corporate settings, Dr. Given has a long history in the management of community-led research programs using large infrastructure. In the 1990s she led the implementation of the IDA portion of the IRIS Global Seismographic Network. As a technical officer at the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), she established procedures to build and certify the Treaty's global verification networks. As a program director at Joint Oceanographic Institutions (later Consortium for Ocean Leadership), she managed community participation in the Integrated Ocean Drilling Program and then ran the planning office responsible for designing and building the Ocean Observatories Initiative. In 2008, Dr. Given served briefly as an elected member of the UNAVCO Board of Directors before becoming a rotating Program Director for NSF's Integrative Graduate Education and Research Traineeships (IGERT). Given has served on numerous program and management review committees for the National Science Foundation, including EarthScope, NEON, EarthCube, and Blue Waters. She holds a B.S. in Engineering Physics from the University of Illinois and M.S. and Ph.D. in geophysics from the California Institute of Technology.

Eugene Hubbard

Member

Eugene Hubbard is the senior vice president for human capital at RiVidium, Inc. RiVidium is a service disabled veteran-owned small business that provides human resources, logistics, information technology, and other services to client federal agencies. Mr. Hubbard started with RiVidium in July 2018 after over 38 years of military and civilian public service. He is responsible for business development, growth (profit and loss), program management, capture management, and client services for the human capital business line. Mr. Hubbard has extensive experience in the life-cycle of facilities management including design and construction, operations and maintenance, public works, and real estate programs as well as extensive experience in human resources, financial management, information technology, and administrative services. His career includes federal Senior Executive Service (SES) assignments at the Mine Safety and Health Administration, the National Science Foundation, the Naval Facilities Engineering Command, the National Oceanic and Atmospheric Administration; and NASA. Prior to entering the federal SES ranks, Mr. Hubbard served as the coordinator for program support at the Office of Adult and Community Education in Fairfax County, Virginia. Additionally, he served over 20 years active duty as a commissioned officer in the U.S. Navy, primarily in the Navy Civil Engineer Corps, with assignments of increasing responsibility stationed in various locations across the U.S. and overseas. Mr. Hubbard was a member of the board of directors for the Society of American Military Engineers and served as the vice chair of the Federal Facilities Council. He is a member of other professional societies including the Society for Human Resource Management and the American Society for Public Administration. Mr. Hubbard has a B.S. in chemistry from the United States Naval Academy, an M.E. (civil engineering) from the University of Florida, and an M.P.A. from Troy University.

Nettie La Belle-Hamer

Member

Nettie La Belle-Hamer is the Geophysical Institute deputy director and director of the Alaska Satellite Facility (ASF) at the University of Alaska Fairbanks (UAF). Dr. La Belle-Hamer leads UAF's collaboration efforts with Sandia National Labs and private industry partners bringing together many disparate discipline experts at UAF and across academia, industry, and governments. As UAF's lead in forming the Arctic GeoData Cooperative, she is working to bring together commercial, educational, and governmental partners to produce, enhance, and maintain authoritative, dynamic, geospatial information for the Arctic. In 1995, Dr. La Belle-Hamer became involved with ASF as a contractor working on NASA's development of a distributed Earth science data system. She became the science center manager at ASF in 2000 before taking on the directorship of the facility. Under her direction since 2002, ASF has grown into a strong program with a bright future in remote-sensing data access. Dr. La Belle-Hamer received her bachelor's degree in physics from the University of California at Berkeley in 1985 and both her M.S. and Ph.D. in space physics at UAF.