

## Great Lakes Observing System 2010 Annual Meeting Speaker Bios

### **Zdenka S. Willis, NOAA-Integrated Ocean Observing System**

Zdenka Saba Willis is the Director of NOAA's Integrated Ocean Observing System (IOOS) Program. She administers NOAA's IOOS activities and contributions to the U.S. IOOS which is a coordinated network of people and technology that work together to generate and disseminate continuous data on our coastal waters, Great Lakes, and oceans. The U.S. IOOS is our nation's ocean contribution to an international effort called the Global Earth Observation System of Systems (GEOSS), which is designed to continuously and comprehensively monitor Earth and transmit observations globally.

Prior to her assignment as Director of NOAA's IOOS Program, Ms. Willis served as Director of NOAA's National Oceanographic Data Center and administered the NOAA Central Library, the National Coastal Data Development Center, and the World Data Center of Oceanography, Silver Spring, Maryland. Ms. Willis is a retired Navy Captain with career service as a Meteorology and Oceanography officer in the United States Navy. She worked with NOAA to promote interagency cooperation as the Naval Deputy to NOAA; worldwide sea ice analysis and forecasting as Director of the National Ice Center; and as the satellite and operations officer Naval Polar Oceanography Center. While the Director of the National Ice Center initiated a visiting scientist program which attracted post-doctorate researchers focused on the Arctic and Antarctic. Her meteorological background include weather forecasting for Naval aircraft as the Officer in Charge of the Naval Oceanography Command Detachment, Oceana Virginia and for Navy vessels as the Naval Eastern Oceanography Center, Norfolk Virginia. Ms. Willis joined NOAA in December, 2005.

Ms Willis received her Bachelor's Degree in Marine Science from the University of South Carolina. She received a Master's degree in Meteorology and Oceanography from the Naval Postgraduate, and a Master's Degree in National Strategy from the Industrial College of the Armed Forces.

### **Tom Johengen, Assoc. Director, Cooperative Institute for Limnology and Ecosystem Research**

Dr. Johengen has been a Research Scientist with the Cooperative Institute for Limnology and Ecosystems Research at the University of Michigan since 1991. He also currently serves as the Associate Director of the Institute. Dr. Johengen received his M.S. in Biological Oceanography from Florida State University in 1986 and his Ph.D. in Oceanic Science at the University of Michigan in 1991. His research interests include nutrient cycling, ecological impacts of invasive species, ballast water management to mitigate the transfer of invasive species, and the development and application of in situ observing technologies. Within his interests on observing technologies, Dr. Johengen serves as the Chief Scientist for the Alliance for Coastal Technologies, a national consortium of Universities working with NOAA – IOOS, and he coordinates activities of the open-lake monitoring team of the Great Lakes Observing System Regional Association.

### **Stuart Eddy, Great Lakes Commission**

Stuart Eddy is a geographer and geographic information systems manager with the Great Lakes Commission. He oversees geospatial data development and analysis projects at the GLC. Mr. Eddy provided technical and planning support during establishment of the GLOS Regional Association. He is now the GLOS Data Management and Communication (DMAC) coordinator and the DMAC liaison to IOOS and the National Federation of Regional Associations. For the past four years, he has also led oil

and chemical spill response planning work at the GLC and served as the GLC representative on the US Region 5 Inland Area Planning Committee.

**Gail Faveri, Boundary Waters Unit, Environment Canada**

Ms. Gail Faveri is currently serving as Secretary for the Canadian Section of the International Saint Lawrence River Board of Control, among other duties, such as the Canadian co-lead of the Great Lakes test bed of GEOSS. Gail has worked over 20 years across Canada in the private sector as a water resources engineer after two years as a hydrologist with Agricultural Canada. After obtaining a Masters of Applied Science from the Ecole Polytechnique de Montreal in water resource management, she worked for various consulting firms in Halifax, Montreal, Vancouver and Calgary. In late 2002 she started with the Alberta District of the Water Survey of Canada in charge of a clean-up of Contaminated Sites program. In early 2008 she came to Ontario to manage the Boundary Water Issues unit, which deals with water quantity management issues from Lake of the Woods to the St Lawrence River.

**Eric Anderson, Cooperative Institute for Limnology and Ecosystem Research**

Dr. Eric Anderson is a scientist with the University of Michigan's Cooperative Institute for Limnology and Ecosystems Research. He is a hydrodynamic modeler that develops computational models of the Great Lakes and connecting channels for real-time predictions of currents, temperature, and water levels. His work with the Huron-Erie Corridor includes real-time predictions, spill scenario forecasts, and river plume tracking, and has been transitioned into research-operation at NOAA/GLERL, providing nowcasts and forecasts of currents and water levels every 3 hours as part of NOAA's Great Lakes Coastal Forecasting System.

**Steve Arquitt, Modeling and Assessment, Great Lakes Observing System**

Steve Arquitt, Great Lakes Modeling and Assessment Specialist, brings a background in dynamic systems modeling and decision-support systems. He is completing a Ph.D. in Systems Modeling at the Centre for Marine Studies at the University of Queensland, Australia, and has undertaken modeling studies related to water quality and sustainable management of coastal resources. He also has an MS in Natural Resource Management with a system dynamics concentration. Prior to his work in Australia, Steve was involved with international aid projects focused on natural resource and agricultural sectors.

**Cindy Hagley, Extension Educator, Minnesota Sea Grant**

Cindy Hagley, is an environmental quality extension educator with Minnesota Sea Grant. She holds degrees in aquatic ecology/limnology and biology from UC Davis and the University of Minnesota. Hagley's expertise lies in Great Lakes coastal environments, water and environmental quality, shoreline management, and coastal resource use. She has been working on GLOS outreach and education since the program's inception.

**Kelli Paige, Outreach and Education, Great Lakes Observing System**

Kelli Paige, GLOS outreach specialist, is originally from Chicago. There she received her BA in Public Policy from DePaul University and worked as a Watershed Project Coordinator with Friends of the Chicago River. She went on to get her MS in Resource Ecology and Management from the University of Michigan and most recently worked with The Nature Conservancy as an outreach coordinator in Toledo, Ohio.