

UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE CHESAPEAKE GLOBAL COLLABORATORY SUMMIT PLENARY SPEAKERS

FRED TUTMAN

Fred Tutman is a grassroots community advocate for clean water in Maryland's longest and deepest intrastate waterway and holds the title of Patuxent Riverkeeper, the longest serving in the Chesapeake region. He is the only African American Waterkeeper in the nation. Previously, Fred spent over 25 years working as a media producer and consultant on telecommunications assignments all over the globe. Fred is on the Graduate studies faculty of Goddard College in Vermont and has taught at several colleges, universities, and law schools. Fred is the recipient of numerous regional and state awards for his environmental works.



ERICA KEY

Dr. Erica Key is the Global Hub Director for Future Earth, an international constellation of researchers, innovators, and actors supporting transformations to sustainability. Previously, Erica served as the Executive Director of the Belmont Forum, an international partnership of funding, resource, and science coordination organizations committed to transdisciplinary, transnational approaches to global environmental change. She is founder and Executive Committee member of the annual global Sustainability Research and Innovation Congress, a Special Advisor to the UN Science-Policy-Business Forum, and a member of the Conseil d'Orientation Strategique of the Institute for Research and Development of France.

SHASHI SHEKHAR

Shashi Shekhar joined the Department of Computer Science & Engineering at the University of Minnesota in 1989. He was named a McKnight Distinguished University Professor and a Distinguished University Teaching Professor. Shekhar was also named a fellow of the IEEE Computer Society and the American Association for Advancement of Science. He currently serves as an Associate Director of the College of Science and Engineering Data Science Initiative. Shekhar's research and teaching interests include spatial computing, spatial data science, spatial data mining, spatial databases, and Geographic Information Systems.



CHAOPENG SHEN

Dr. Chaopeng Shen is a leading hydrology researcher and an Associate Professor at Penn State. He focuses on exploring the intricate connections between hydrology and Earth's systems. He tackles global water challenges using advanced deep-learning techniques and physical models to predict critical factors like soil moisture and streamflow. Dr. Shen's commitment to open science shines through his contributions, including the open-source Process-based Adaptive Watershed Simulator (PAWS). His work has been featured in Nature Communications, and in 2019, his team at Penn State received a Google AI Impacts Challenge grant for their research's societal potential.

