

BUDHENDRA 'BUDHU' BHADURI (2018 WINNER)



Dr. Budhendra 'Budhu' Bhaduri is a Corporate Research Fellow at Oak Ridge National Laboratory (ORNL) and holds professorial appointments with the University of Tennessee, Knoxville. Over his career, he has held a number of leadership roles at ORNL and have catalyzed the integration of geographical sciences in the laboratory's mission. His professional interests and experience cover novel implementation of geospatial science and technology for a wide variety of programs supporting energy, environment, and national security missions across the Department of Energy, the Department of Defense, and the Department of Homeland Security. Dr. Bhaduri's research has had global impact and has benefited the U.S. federal missions, international organizations, and private foundations. At

ORNL, he has catalyzed the integration of population dynamics, geographic data science, and scalable geocomputation for addressing high resolution, spatially explicit modeling and simulation of complex urban systems namely, the critical intersection of energy, human dynamics, and urban sustainability.

Budhu's professional services includes appointments to the Geographical Sciences Committee and the Mapping Science Committee of the National Academy of Science, Engineering, and Medicine and the academic advisory board of the United States Geospatial Intelligence Foundation (USGIF). Between 2009-2012, he also served on a Strategic Highway Research Program, Expert Task Group of the Transportation Research Board (TRB) of the National Academies. Dr. Bhaduri is actively involved with academic collaborations and student engagement for research in geospatial science. Dr. Bhaduri is a Fellow of the American Association for the Advancement of Science (AAAS). He is a recipient of the 2017 Carolyn Merry Outstanding Mentor Award from the University Consortium of Geographic Information Science (UCGIS). Previously, he received the 2010 Homeland Security award for emergency preparedness and response from Christopher Columbus Fellowship Foundation.

Budhu is a founding member of the U.S. Department of Energy's Geospatial Sciences Steering Committee and a recipient of the Department's Outstanding Mentor Award for his dedicated service for developing future workforce for the nation. He routinely serves on national and international expert panels and has published extensively in leading scientific journals. He is actively involved with academic institutions for scientific collaborations and student engagement for research in geospatial science.

Dr. Bhaduri received his Ph.D. in Earth & Atmospheric Sciences from Purdue University. He has a MS from Kent State University, and a M.Sc. and a B.Sc. in Geology from University of Calcutta, India. He enjoys sports, establishing new friendships and deepening old ones, and remembering faces and (mostly useless) facts about people and places. Budhu resists becoming "Bud", but hopes to become "wiser".