Auroop R Ganguly is the Principal Investigator of the Sustainability and Data Sciences Laboratory and an Associate Professor within the department of Civil and Environmental Engineering at *Northeastern University* in Boston, MA. His research interests span climate change, water sustainability, complex systems analysis, and applied data mining. He has a particular interest in understanding and modeling rare events, from weather extremes to security threats, as well as in enhancing the resilience of critical infrastructures and key resources. His research has been published in journals such as *Proceedings of the National Academy of Sciences*, *Nature Climate Change*, *Physical Review E*, *Geophysical Research Letters*, and *Water Resources Research*, and highlighted by the journal *Nature*, *PNAS*, and *Nature Climate Change*, multiple scientific and media venues, as well as by the *National Science Foundation*, including in their "Faces of NSF Research" section on the October 2012 *NSF Current* national newsletter. Research articles co-authored by him have been selected as "hottest papers" by two journals, and awarded best student papers in peer-reviewed data mining conferences within computer science such as *SIAM Data Mining* and *NASA's CIDU*, as well as an *ACM KDD workshop*. He has been quoted and his research has been cited in the national and international media (such as USA Today, Boston Globe and MSNBC in the US and in Europe, India and China). He is currently serving as an Associate Editor for the journal of *Scientific Reports* published by *Nature*, the American Geophysical Union's *Water Resources Research* journal, and for the American Society of Civil Engineering's *Journal of Computing in Civil Engineering*, as well as in the *Artificial Intelligence committee* of the American Meteorological Society. He has previously served on a United Nations review panel, on the invited reader panel of the journal *Nature*, and has been the founder-organizer for six workshops on sensor-based data mining in Association for Computing Machinery's *Knowledge Discovery and Data Mining* Conference. He has authored edited books on *Knowledge Discovery from Sensor Data* by CRC Press and LNCS, and book chapters on natural and man-made hazards. Ganguly has a PhD from the *Massachusetts of Technology* (MIT), an MS from the *University of Toledo*, and a B. Tech. (Hons.) from the *Indian Institute of Technology* at Kharagpur. In addition, he has worked with a research group at the *MIT Sloan School* of Management for several years in data mining and business intelligence, inventory optimization and supply chain, as well as business forecasting and strategy. He has about five years of experience at *Oracle Corporation*, first as a time series software developer within their database server kernel, and then as the product manager of their demand planning and forecasting product for supply chain and marketing analytics. He was at a best-of-breed, semi *start-up*, demand planning and marketing analytics software company, Demantra Inc., for about a year, which eventually got acquired by Oracle Corporation. For exactly seven years from 2004 till 2011, Ganguly was at the Computational Sciences and Engineering division of the *Oak Ridge National Laboratory* (ORNL), where he moved from an R&D Associate to R&D Staff and Senior R&D Staff. Ganguly has several years of visiting and joint faculty positions in academia, specifically, the *University of Tennessee* (UTK) and the *University of South Florida*, prior to his full time associate professor position at Northeastern University from the fall of 2011. His research has been supported by multiple agencies such as the National Science Foundation, Department of Energy (DOE), Department of Defense, Department of Homeland Security, and the Nuclear Regulatory Commission. Despite spending most of his professional research career at a National Laboratory, Ganguly has graduated two and is currently supervising three PhD students, previously mentored two and is currently mentoring two postdoctoral or research associates, and mentored three postgraduate associates and one visiting professor. He has received several outstanding mentor awards from ORNL and the US DOE, and one outstanding joint faculty award at UTK. His independent teaching record includes a total of five courses, with four at the graduate level in applied time series and spatial statistics as well as in hydrologic models, and one at the undergraduate level in probability and engineering economy for civil and environmental engineers.