

Dr. Sreenivas Rangan Sukumar is the Group Leader with the Advanced Data & Workflow Group at the National Center for Computational Sciences. He is responsible for coordinating the activities related to data analysis, scientific visualization, data-intensive computing, and data management. Rangan is a data scientist and machine learning researcher developing knowledge nurturing architectures and algorithms. As a data enthusiast with access to several unique computing infrastructures and leadership computing resources at the Oak Ridge National Lab, he designed and implemented data-driven knowledge discovery algorithms (in-database, in-memory and in-situ) that can handle extremely large-scale datasets. He has over 50 publications (patents, book chapters, journals, technical reports, peer-reviewed conference and workshop publications) in areas of disparate data collection, organization, processing, integration, fusion, analysis and inference. His work has been applied to a wide range of domains including healthcare, social network analysis, electric grid modernization and public policy informatics.