

Accelerating and Deepening Approaches to FAIR Data Sharing: A Workshop

Committee

Sarah M. Nusser

Chair

SARAH NUSSER (Chair) is a professor emerita of statistics at Iowa State University. Her current research focuses on improving the reusability and impact of publicly accessible research data. Dr. Nusser is actively involved in national efforts to promote open science, transparency, and public access to research data. She is currently a senior fellow with the Association of American Universities (AAU)-and a research professor at University of Virginia. Dr. Nusser has held leadership roles in the AAU-Association of Public and Land-grant Universities Accelerating Public Access to Research Data Initiative since its inception in 2017 and is currently appointed to the NIST Research Data Framework Steering Committee. Dr. Nusser previously served as vice president for research (VPR) at Iowa State University, where she led efforts to advance the research mission and provided leadership for campus-wide programs for faculty research success, interdisciplinary initiatives, and ethical research practice. Prior to serving as VPR, Dr. Nusser served as the director of the Center for Survey Statistics and Methodology (CSSM) at Iowa State University, where she conducted research in survey statistics and methodology for land- and population-based surveys, including sampling and estimation for longitudinal natural resource surveys, measurement error models for dietary intake and physical activity data, and geospatial methods for address listing and for data collection in natural resource surveys. During her time with CSSM, Dr. Nusser directed statistical research and development for the annual USDA National Resources Inventory (NRI) survey program; the NRI integrates longitudinal geospatial survey data with administrative data and other geospatial resources to provide a trending database for agri-environmental issues on non-federal lands in the US. Dr. Nusser has served on numerous scientific panels, advisory committees and governing boards with the National Academies, federal agencies, the UN and statistical societies. She is a fellow of the American Statistical Association (ASA) and an elected member of the International Statistical Institute, and has received awards for excellence and service from Iowa State and the ASA. Dr. Nusser received a B.S. in botany from the University of Wisconsin-Madison, M.S. in botany from North Carolina State University, and Ph.D. in statistics from Iowa State University.

Ian T. Foster

Member

IAN FOSTER is the Director of Argonne National Laboratory's Data Science and Learning Division, Argonne Senior Scientist and Distinguished Fellow and the Arthur Holly Compton Distinguished Service Professor of Computer Science at the University of Chicago. He was the Director of Argonne's Computation Institute from 2006 to 2016. Dr. Foster's research contributions span high-performance computing, distributed systems, and data-driven discovery. He has published hundreds of scientific papers and eight books on these and other topics. Methods and software developed under his leadership underpin many large national and international cyberinfrastructures. Dr. Foster received a BSc (Hons I) degree from the University of Canterbury, New Zealand, and a Ph.D. from Imperial College, United Kingdom, both in computer science. His awards include the Global Information Infrastructure (GII) Next Generation award, the British Computer Society's Lovelace Medal, R&D Magazine's Innovator of the Year, the IEEE Tsutomu Kanai award, and honorary doctorates from the University of Canterbury, New Zealand and CINVESTAV, Mexico. He is an elected Fellow of the American Association for the Advancement of Science, the Association for Computing Machinery, and British Computer Society.

Ramanathan Guha

Member

RAMANATHAN GUHA is the founder and lead for DataCommons.org, a platform which synthesizes a wide range of data sets into a single knowledge graph, for use by students and researchers. He is the creator of widely used web standards such as RSS, RDF and Schema.org, and products such as Google Custom Search. Co-founder of Epinions.com and Alpiri, he is currently a Google Fellow and Vice President at Google. He has a Ph.D. in Computer Science from Stanford University, M.S. from University of California, Berkeley and B.Tech. in Mechanical Engineering from IIT Madras.

Christine Kirkpatrick

Member

CHRISTINE KIRKPATRICK leads the San Diego Supercomputer Center's (SDSC) Research Data Services division, which manages large-scale infrastructure, networking, and services for research projects of regional and national scope. Her research is in data-centric AI, working at the intersection of ML and FAIR, with a focus on making AI more efficient to save on power consumption and 'time to science.' In addition to being PI of the EarthCube Office (ECO), Kirkpatrick founded the GO FAIR US Office, is PI of the West Big Data Innovation Hub, is on the Executive Committee for the Open Storage Network, and Co-PI of the NSF-funded Transboundary Groundwater Resiliency Research (TGRR) network. She serves as the Secretary General of the International Science Council's Committee on Data (CODATA), co-Chairs the FAIR Digital Object Forum, is on the Advisory Board for the Helmholtz Federated IT Services (HIFIS), and served on the National Academies of Sciences' U.S. National Committee for the Committee on Data.

Thomas S. Arrison

Staff Officer