# Data-Informed Decision-Making: Shaping the Future of Science & Technology

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## Speaker Biographies

**Ann Gabriel** is the Senior Vice President for Global Strategic Networks at Elsevier. Ann and her team engage with key stakeholders across academia, government, funding bodies, and industry to further the mission of scientific, technical and medical publishing and to sustain and enhance the academic research enterprise. This includes establishment of strategic partnerships with institutions through the development of short and long term engagement programs exploring current and evolving issues in scholarly communication: AI, Open Science, and Societal Impact of Research.

Over the course of her 30-year career Ann has held a variety of positions at the forefront of scholarly communication, including leadership roles as Elsevier's Publishing Director for journals in Computer Science and Engineering, as well as electronic product development roles with Elsevier's ScienceDirect, and integrative digital development at Cambridge University Press. She serves on the CHOR Inc. board.

Ann has served as an adjunct faculty at New York University. She holds a master's degree in communications from the University of Pennsylvania.

**Randy Love** is the Software Solutions Manager for Elsevier. Randy focuses on business development in the areas of Research Information and Data Management. Working with research leaders and their researchers, Elsevier's Research Management platform provides organizations with a way to automatically capture and aggregate research information into a centralized system to facilitate collaboration, sharing, and analysis of research output. Randy looks to provide guidance to his customers by leveraging his more than 25 years of experience with data-oriented software projects across government, academic and commercial business sectors. Recently he was appointed as the Principal Investigator for Elsevier's participation in the NIH Generalist Repository Ecosystem Initiative (GREI).

**Erwin Gianchandani, PhD** is the U.S. National Science Foundation's assistant director for Technology, Innovation and Partnerships, leading the newly established TIP Directorate.

Gianchandani has worked at NSF since 2012. Prior to becoming the assistant director for TIP, he served as the senior advisor for Translation, Innovation and Partnerships for over a year, where he helped develop plans for the new TIP Directorate in collaboration with colleagues at NSF, other government agencies, industry and academia. During the previous six years, Gianchandani was the NSF deputy assistant director for Computer and Information Science and Engineering, twice serving as acting assistant director for CISE. Gianchandani's leadership and management of CISE included the formulation and implementation of the directorate's $1 billion annual budget, strategic and human capital planning, and oversight of day-to-day operations for a team of over 130.

Gianchandani has led the development and launch of several new NSF initiatives, including the Smart & Connected Communities program, Civic Innovation Challenge, Platforms for Advanced Wireless Research, and the National Artificial Intelligence Research Institutes.

Before joining NSF in 2012, Gianchandani was the inaugural director of the Computing Community Consortium, providing leadership to the computing research community in identifying and pursuing bold, high-impact research directions such as health information technology and sustainable computing.

Gianchandani has published extensively and presented at international conferences on computational systems biology. He holds a bachelor's degree in computer science and master's and doctoral degrees in biomedical engineering, all from the University of Virginia.

In 2021, Gianchandani received the Distinguished Presidential Rank Award, awarded to members of the Federal Government's Senior Executive Service for sustained extraordinary accomplishment. In 2018, he was awarded the Outstanding Young Engineering Graduate Award from the University of Virginia.

**Grace Yuan** is the Data Analytics Officer for the Directorate for Technology, Innovation, and Partnerships (TIP) at the National Science Foundation (NSF).

At NSF, Grace has spearheaded several transformative initiatives that have redefined the organization's impact. She championed the NSF By the Numbers dashboard, enhancing transparency and accessibility regarding the Foundation's investments. Furthermore, she led the adoption of sophisticated data platforms that analyze and showcase NSF's global scientific contributions. A notable achievement is her leadership in developing the NSF TIP Investment Pilot, a platform built on Elsevier's Pure technology and utilizes machine learning to classify NSF awards. This initiative highlights the impact of TIP's investments across ten key technology areas identified in the "CHIPS and Science Act of 2022," including artificial intelligence, advanced computing, biotechnology, and quantum information science. Through these efforts, Grace has not only advanced NSF's mission but also set a benchmark for excellence in data analytics.

Grace's expertise extends beyond NSF. In 2018, she was selected as an inaugural Federal Data Fellow at the Office of Management and Budget (OMB), where she played a pivotal role in creating the Federal Data Strategy, which shapes data practices across government agencies.

Before her tenure at NSF, Grace held key leadership positions at companies such as Booz Allen Hamilton, Manugistics, and AT&T. This unique blend of private sector innovation and public service dedication enriches her approach to leadership in data analytics. Her strategic focus on data analytics and AI adoption is further informed by advanced studies in the Chief Data & AI Officer program at Carnegie Mellon University.