

Data Intensive Study Center (DISC) Symposium – November 8, 2017

Keynote Speakers



AnnaLee Saxenian is Dean and Professor in the School of Information and professor in the Department of City and Regional Planning at the University of California, Berkeley. Her most recent book, *The New Argonauts: Regional Advantage in the Global Economy* (Harvard UP, 2006), explores how the "brain circulation" by immigrant engineers from Silicon Valley has transferred technology entrepreneurship to emerging regions in China, India, Taiwan, and Israel.

Her prior publications include *Regional Advantage: Culture and Competition in Silicon Valley and Route 128* (Harvard UP, 1994), *Silicon Valley's New Immigrant Entrepreneurs* (PPIC, 1999), and *Local and Global Networks of Immigrant Professionals in Silicon Valley* (PPIC, 2002). Saxenian holds a Doctorate in Political Science from MIT, a Master's in Regional Planning from the University of California, Berkeley, and a BA in Economics from Williams College.



David Lazer is a Distinguished Professor of Political Science and Computer and Information Science, Northeastern University, and co-director for the NULab for Texts, Maps, and Networks. Prior to joining Northeastern, he was on the faculty at the Harvard Kennedy School (1998-2009).

His research focuses on the nexus of network science, computational social science, and collaborative intelligence. He is the founder of the citizen science website, *Volunteer Science* and the political visualization website, *VisPolitics*. His research has been published in such journals as *Science*, *Proceedings of the National Academy of Science*, the *American Political Science Review*, and the *Administrative Science Quarterly*, and has received extensive coverage in the media, including the *New York Times*, NPR, *Washington Post*, *Wall Street Journal*, and *CBS Evening News*.

Professor Lazer holds multiple leadership and editorial positions, including board member for the International Network of Social Network Analysts (INSNA), reviewing editor for *Science*, associate editor of *Social Networks and Network Science*, numerous other editorial boards and program committees. He is a founder of the Political Networks section for the American Political Science Association.

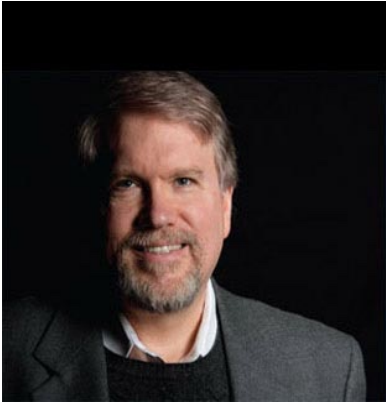


Jeanette M Wing is Avaneessians Director of the Data Sciences Institute at Columbia University, where she is also a professor of Computer Science. Until June 30, 2017, she was Corporate Vice President of Microsoft Research with oversight of its core research laboratories around the world and Microsoft Research Connections. Microsoft Research Labs advances the state of art in computing science, and rapidly transfers technologies into Microsoft products.

Dr. Wing has held key positions in academia and government, such as Carnegie Mellon University and the National Science Foundation (NSF). From 2007 to 2010, Wing served as Assistant Director of the Computer and Information Science and Engineering Directorate at NSF. In this capacity, she worked with NSF staff to set funding priorities for the academic science and engineering research community, create new programs, and represent the nation's computer science community. Wing has twice served as head of the Department of Computer Science at Carnegie Mellon

University.

Her areas of expertise are in trustworthy computing, formal methods, concurrent and distributed systems, programming languages, and software engineering. Her research contributions include work on the Larch family of specification languages; programming language support for atomic objects in distributed transactions; with Dr. Maurice Herlihy, the notion of linearizability, a correctness condition for concurrent objects; and with Dr. Barbara Liskov, a semantics for behavioral subtyping. Her contributions in security and privacy include work on attack graphs and attack surfaces, work on formalizing privacy policies for automated compliance checking, and work on trust in networks of humans and computers.



Henry Kautz is the Robin & Tim Wentworth Director of the Goergen Institute for Data Science and Professor in the Department of Computer Science at the University of Rochester. He has served as Department Head at AT&T Bell Labs in Murray Hill, NJ, and as Professor at the University of Washington, Seattle.

In 2010, Kautz was elected President of the Association for Advancement of Artificial Intelligence (AAAI), and in 2016 was elected Chair of the AAAS Section on Information, Computing, and Communication. His research in artificial intelligence, pervasive computing, and healthcare applications has led him to be honored as a Fellow of the American Association for the Advancement of Science (AAAS), Fellow of the Association for Computing Machinery (ACM), and Fellow of the AAAI. He has received the IJCAI Computers & Thought Award, the UbiComp 10-Year Impact award, the AAAI Classic Paper award, and the IAAI Deployed Application award.



Ben Fry is principal of Fathom, a design and software consultancy located in Boston. He received his doctoral degree from the Aesthetics + Computation Group at the MIT Media Laboratory, where his research focused on combining fields such as computer science, statistics, graphic design, and data visualization as a means for understanding information. After completing his thesis, he spent time developing tools for visualization of genetic data as a postdoc with Eric Lander at the Eli & Edythe L. Broad Institute of MIT & Harvard. During the 2006-2007 academic year, Fry was the Nierenberg Chair of Design for the Carnegie Mellon School of Design. At the end of 2007, he finished writing *Visualizing Data* (O'Reilly Media, 2008). In 2011, he won the National Design Award for Interaction Design from the Cooper-Hewitt.

With Casey Reas of UCLA, he currently develops *Processing*, an open source programming environment for teaching computational design and sketching interactive media software that won a Golden Nica from the Prix Ars Electronica in 2005. The project also received the 2005 Interactive Design prize from the Tokyo Type Director's Club. In 2006, Fry received a New Media Fellowship from the Rockefeller Foundation to support the project. *Processing* was also featured in the 2006 Cooper-Hewitt Design Triennial. Reas and Fry published *Processing: A Programming Handbook for Visual Designers and Artists* (MIT Press, 2007); they published *Getting Started with Processing* (Maker Media, 2010).