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Albert-László Barabási
Distinguished Professor of Physics, Biology,
and Computer Science

Scale-free networks and dynamic network modeling, error and attack tolerance and robustness of complex networks, and network theory applied to biological systems



David Lazer
Professor of Political Science and Computer
and Information Science

Computational social science, political networks and 21st century democracy, collective cognition, and understanding how patterns of institutional relations yield functional or dysfunctional systems



Alessandro Vespignani
Sternberg Family Distinguished University
Professor of Physics, Computer Science,
and Health Sciences

Analytical and computational models for the coevolution and interdependence of large-scale social, technological, and biological networks



Miriam Leeser
Professor of Electrical and
Computer Engineering

Biocomputing, reconfigurable hardware and hardware design tools, description languages, and implementation of image and digital processing algorithms



Yizhou Sun
Assistant Professor of Computer and
Information Science

Data mining, database systems, statistics, machine learning, information retrieval, and network science, focused on modeling novel problems for large-scale applications

