International Seminar on Network Theory - Los Angeles

The Annenberg Networks Network (ANN), University of Southern California, and The Science of Networks in Communities (SONIC) laboratory, Northwestern University co-sponsored an International Seminar on Network Theory. The seminar, titled Network Multidimensionality in the Digital Age, and was held February 19-20, 2010 at the University of Southern California (Annenberg Research Park.)

The themes of the four sessions were:

1. Network Theory: Conceptual and Methodological Issues
2. The Inclusionary/Exclusionary Logic of Networks
3. The Semantic Web
4. Network Theories of Power

Katy Börner, SLIS Professor and the Director of the Cyberinfrastructure for Network Science Center presented at talk at the event. She also gave a presentation and exhibit tour of the Places & Spaces: Mapping Science exhibit.

SLIS students interested in these research topics can learn about Börner’s work in the biographical summary notes below.

Network Theory Seminar Participant Biographies:

"Katy Börner is the Victor H. Yngve Professor of Information Science at the School of Library and Information Science, Adjunct Professor in the School of Informatics and Computing, Adjunct Professor at the Department of Statistics in the College of Arts and Sciences, Core Faculty of Cognitive Science, Research Affiliate of the Biocomplexity Institute, Fellow of the Center for Research on Learning and Technology, Member of the Advanced Visualization Laboratory, and Founding Director of the Cyberinfrastructure for Network Science Center at Indiana University. She is a curator of the Places & Spaces: Mapping Science exhibit, http://scimaps.org.

Her research focuses on the development of data analysis and visualization techniques for information access, understanding, and management. She is particularly interested in the study of the structure and evolution of scientific disciplines; the analysis and visualization of online activity; and the development of cyberinfrastructures for large scale scientific collaboration and computation.


The themes of the four sessions were:
   - Scholarly Database of 23 million scholarly records, http://sdb.slis.indiana.edu
   - Information Visualization Cyberinfrastructure, http://iv.slis.indiana.edu
   - Network Workbench Tool and Community Wiki, http://nwb.slis.indiana.edu
   - Science of Science Cyberinfrastructure Portal, http://sci.slis.indiana.edu
   - Epidemics Marketplace, http://epic.slis.indiana.edu

She is the recipient of many fellowships and awards, including Outstanding Junior Faculty Award, Pervasive Technology Laboratories Fellowship, SBC Fellow, NSF Award, and Trustees Teaching Award. She is currently PI or Co-PI in funded research: Collaborative Research: Social Networking Tools to Enable Collaboration in the Tobacco Surveillance, Epidemiology, and Evaluation Network (NSF), Modeling the Structure and Evolution of Scholarly Knowledge (James S. McDonnell Foundation), CAREER: Visualizing Knowledge Domains (NSF), Mapping Indiana’s Intellectual Space (21st Century Grant), Network Workbench: A Large-Scale Network Analysis, Modeling and Visualization Toolkit for Biomedical, Social Science and Physics Research (NSF), Towards a Macroscopic for Science Policy Decision Making (NSF), and Creative
Metaphors to Stimulate New Approaches to Visualizing, Understanding, and Rethinking Large Repositories of Scholarly Data (NSF)."

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