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CCSE Seminar: Katy Börner "Data Visualizations: Drawing Actionable Insights from Science and Technology Data"

Tuesday, September 1, 2015 – 11:00 am

Location: **Babbio 541**

Center for Complex Systems & Enterprises Distinguished Lecture Series

**Data Visualizations:
Drawing Actionable Insights from Science and Technology Data**

BY Prof. Katy Börner
Indiana University, Bloomington, IN

ABSTRACT: In an age of information overload, the ability to make sense of vast amounts of data and to render insightful visualizations is as important as the ability to read and write. This talk explains and exemplifies the power of visualizations not only to help locate us in physical space but also to help us understand the extent and structure of our collective knowledge, to identify bursts of activity, pathways of ideas, and borders that beg to be crossed. It introduces a theoretical visualization framework meant to empower anyone to systematically render data into insights together with tools that support temporal, geospatial, topical, and network analyses and visualizations. Materials from the Information Visualization MOOC (<http://ivmooc.cns.iu.edu>) and Maps from the Places & Spaces: Mapping Science exhibit (<http://scimaps.org>) will be used to illustrate key concepts and to inspire participants to visualize their very own data.

BIO: Katy Börner is the Victor H. Yngve Professor of Information Science in the [Department of Information and Library Science, 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 [Center for Complex Networks and Systems Research](#) and [Biocomplexity Institute](#), Member of the [Advanced Visualization Laboratory](#), Leader of the [Information Visualization Lab](#), and Founding Director of the [Cyberinfrastructure for Network Science Center](#) at Indiana University in Bloomington, IN and Visiting Professor at the Royal Netherlands Academy of Arts and Sciences (KNAW) in The Netherlands. She is a curator of the international [Places & Spaces: Mapping Science](#) exhibit. She holds a MS in Electrical Engineering from the University of Technology in Leipzig, 1991 and a Ph.D. in Computer Science from the University of Kaiserslautern, 1997. She became an American Association for the Advancement of Science (AAAS) Fellow in 2012.

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