On Thursday, September 21, SLIS faculty member Katy Börner will present "Mapping Science: Opportunities and Challenges" at Harvard University's Cambridge Colloquium on Complexity and Social Networks.

A one-hour workshop precedes this talk. The workshop will introduce diverse cyberinfrastructures (CIs) such as the Information Visualization CI, the Network Workbench, and respective databases. These CIs serve the needs of the InfoVis and NetsSci research communities respectively. They also make possible the analysis and mapping of mankind's scholarly knowledge.

**ABSTRACT**

**Mapping Science: Opportunities and Challenges**

In this talk I will showcase recent progress in mapping mankind's scholarly knowledge on a global scale. I will start with an introduction of the process of mapping scholarly data, an overview of commonly used metaphors and references systems, and a visual feast of large-scale maps of sciences. Next, I discuss the utility of science maps for diverse user groups and existing research and practical opportunities. I conclude with a set of major challenges related to the continuous harvesting, integration, processing, analysis, mapping, interactive display, and interpretation of a steadily increasing stream of interdisciplinary, multi-lingual scholarly data. The talk draws on work published in [1-8] as well as on the 'Places & Spaces: Mapping Science' exhibit.

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**REFERENCES**

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