Special Information Science and Technology Seminar Speaker

Juliana Freire
Polytechnic Institute of New York University

Exploring Big and not so Big Data: Opportunities and Challenges

Tuesday, June 11, 2013

1:30 - 2:30 PM

TA-3, Bldg. 1690, Room 102 (CNLS Conference Room)

Abstract: The explosion in the volume of digital data currently available has created new opportunities in many different domains, from spurring scientific discoveries to enabling smarter cities that provide a better quality of life for its citizens. Unfortunately, the infrastructure to integrate, analyze, and visualize information has not kept pace with our collective ability to gather data, leading to an unprecedented situation: data exploration is now the bottleneck to discovery. In this talk, I will describe some of the efforts we are conducting at the Visualization and Data Analysis Center at NYU Poly that aim to address this challenge.

Biography: Juliana Freire is a Professor at the Department of Computer Science and Engineering at the Polytechnic Institute of New York University. She also holds an appointment in the Courant Institute for Mathematical Science. Before, she was an Associate Professor at the School of Computing, University of Utah; an Assistant Professor at OGI/OHSU; and a member of technical staff at the Database Systems Research Department at Bell Laboratories (Lucent Technologies). Her recent research has focused on Web-scale data integration, big-data analysis and visualization, and provenance management. Professor Freire is an active member of the database and Web research communities. She has co-authored over 130 technical papers, holds 8 U.S. patents, has chaired or co-chaired several workshops and conferences, and has participated as a program committee member in over 60 events. She is a recipient of an NSF CAREER and an IBM Faculty award. Her research has been funded by grants from the National Science Foundation, Department of Energy, National Institutes of Health, Sloan Foundation, Amazon, Microsoft Research, Yahoo!, IBM, and the University of Utah.

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