

# TRENDS

in Society and Information Technology

2015-2016 Seminar Series



**FERNANDA VIÉGAS, Computational Designer, Google**  
**MARTIN WATTENBERG, Computer Science, Artist, Google**

“Visualizing a World in Motion: Designing for Real-Time Data”

Friday, April 29, 2016

3 to 4 p.m.

6011 Donald Bren Hall

A reception will follow the talk at 4 p.m. in the 5th floor atrium.  
Free and open to the public; no RSVP required.

**ABSTRACT** Change is the only constant, for data as well as the world. We’ll discuss a series of visualizations that show the world in motion, over time scales ranging from seasons to days to minutes. We’ll also talk about ways to make visualization fast—and even automatic—so that as new data comes in it’s easy for anyone, even laypeople, to gain insight. Finally, we’ll talk about a new theme in our work, understanding machine intelligence, and how this challenge, too, touches on visualizing live data.

**BIO** Fernanda Viégas and Martin Wattenberg are the leaders of Google’s “Big Picture” data visualization research group. They are well known for their contributions to social and collaborative visualization, and the systems they’ve created are used daily by millions of people. Before joining Google, they founded Flowing Media, Inc., a visualization studio and led IBM’s Visual Communication Lab. Viégas has been named by multiple publications as one of the most influential women in technology. Her visualizations of email and online conversations led the way for new social media interfaces. Wattenberg, as a director of R&D at Dow Jones, created some of the earliest visualizations for digital journalism. Their visualization-based artwork has been exhibited worldwide, and is part of the permanent collection of Museum of Modern Art in New York.

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