

# VISSOFT 2014 Keynote 1

## Visualization for Software Analytics

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### Abstract

The popularity of software visualization research over the past 30 years has led to innovative techniques that are now seeing widespread adoption by professional software practitioners. But this research has barely kept pace with some of the radical changes occurring in software engineering today. In this talk, I explore current trends in software engineering, including the prevalence of software ecosystems and software delivery as a service, and the emergence of the social coder within a participatory development culture. I will also discuss how the field of software analytics has matured and seeks to support practitioners in improving software quality, user experience and developer productivity through data-driven tasks. Finally, I suggest that software visualization should be playing a bigger role in these recent trends, emphasizing that interactive visualizations are poised to play a critical role in the field of software analytics.

### Biography



Margaret-Anne (Peggy) Storey is a professor of computer science at the University of Victoria and a Canada Research Chair in Human Computer Interaction for Software Engineering. Her research goal is to understand how technology can help people explore, understand and share complex information and knowledge. She applies and evaluates techniques from knowledge engineering, social software and visual interface design to applications such as collaborative software development, program comprehension, biomedical ontology development, and learning in web-based environments.