

# COLLOQUIUM BY MEI CHEN

DATA DRIVEN COMPUTER VISION FOR COMPUTATIONAL HEALTH

TIME: 11:00AM-12:00PM, WEDNESDAY, 7 JUNE 2017

VENUE: ACADEMIC BUILDING 1079

## *Data Driven Computer Vision for Computational Health*

**Speaker:** Mei Chen, Associate Professor in the Electrical and Computer Engineering Department at the State University of New York

### ABSTRACT:

The past fifteen years have seen a revolution in computer vision which has come from embracing data as a primary source of information in solving complex inference problems. The spatiotemporal structure of a class of images can be implicitly constrained and defined by a well-chosen annotated dataset. This paradigm has led to impressive gains in a number of key areas, due in part to the power of modern machine learning methods when applied to big data. In this talk Mei Chen will describe her work on data-driven inference for computational health applications. A consistent thread in her work is the incorporation of key insights from the problem domain which constrain and bias the learning problem, and lead to effective performance.

### BIO:

Mei Chen is an Associate Professor in the Electrical and Computer Engineering Department at the State University of New York, Albany. She was the Intel Principal Investigator for the Intel Science & Technology Center on Embedded Computing hosted at Carnegie Mellon University. Previously she held researcher and research lead positions at Intel Labs, HP Labs, and SRI Sarnoff Corporation. Mei's work in computer vision and biomedical image analysis were nominated finalists for 6 Best Paper Awards and won 3. While at HP Labs, she successfully transferred her research in computational photography to 5 hardware and software products. She earned a Ph.D. in Robotics from the School of Computer Science at Carnegie Mellon University, and a M.S. and B.S. from Tsinghua University in Beijing, China.

This event is open to all and entry is on a first come, first served basis. For any queries email [yg73@duke.edu](mailto:yg73@duke.edu) or call 3665 7149.