Conference on Graphical Models

Attendance: This conference is open to the public, but please register here to help us keep track of numbers.

Tutorials (Tuesday)

Date: 3 September 2013
Location: Faculty House (directions)

10:00 - 10:45  Steffen Lauritzen (University of Oxford)
"Markov Theory for Graphical Models I"

11:00 - 11:45  Andrea Montanari (Stanford University)
"Inference in graphical models I: Definitions, the inference problem, Belief Propagation."

Tutorials (Wednesday)

Date: 4 September 2013
Location: Davis Auditorium, Morris A. Schapiro Hall, Columbia Morningside Campus (directions)

10:00 - 10:45  Steffen Lauritzen (University of Oxford)
"Markov Theory for Graphical Models II"

11:00 - 11:45  Andrea Montanari (Stanford University)
"Inference in graphical models II: When does BP work and why? Improving over BP."

Conference (Thursday)

Date: 5 September 2013
Location: Davis Auditorium, Morris A. Schapiro Hall, Columbia Morningside Campus (directions)

10:00 - 10:40  Steffen Lauritzen (University of Oxford)
"Graphical Gaussian Models with Symmetry"

11:00 - 11:30  Coffee
11:30 - 12:15 Ryan P. Adams (Harvard University)
"Implementing Graphical Models with Chemical Reaction Networks"

12:15 - 13:45 Lunch break

13:45 - 14:45 Andrea Montanari (Stanford University)
"Approximate Message Passing and its application to the hidden clique problem"

14:45 - 15:30 David Sontag (NYU)
"Structured Prediction using Linear Programming Relaxations"

15:30 - 16:00 Coffee

16:00 - 16:45 John Paisley (Columbia University)
"Approximation-free variational inference for non-conjugate models"

16:45 - 17:30 Michael Eichler (University of Maastricht)
"Graphical time series models"