Conference on Graphical Models

3-5 September 2013
Department of Statistics, Columbia University

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)

Tutorials (Wednesday)

Date
- 4 September 2013

Location: Davis Auditorium, 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, Morningside Campus ([directions](#))

10:00 - 11:00  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 - 13:05 Lunch break

13:05 - 14:05 Andrea Montanari (Stanford University)
"Approximate Message Passing and its application to the hidden clique problem"

14:05 - 15:00 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"