Session Program

Jul 15 – 18, 2007

Statistical Mechanics of Distributed Information Systems

The cavity method: message passing beyond BP

Wed, July 18

9:00 AM

The cavity method: message passing beyond BP

Session

9:00 – 10:00 AM **The bridge from belief propagation to survey propagation**

Speaker
Prof. Marc Mezard

10:00 – 10:30 AM **break**

10:30 – 11:30 AM **The structure of constraint satisfaction problems**

Speaker
Dr Elitza Maneva

11:30 AM – 12:00 PM **Coloring random regular graphs**

Speaker
Dr Xavier Pérez

12:00 – 12:30 PM

Phase Transitions in Constraint Satisfaction Problems and Algorithmic Consequences

Speaker
Lenka Zdeborova

12:30 PM