

## Workshop “Algorithms for the SAT problem”

### Friday, Oct. 27

- 9:00 Opening
- 9:05–10:30 E. Goldberg (Cadence Berkeley Labs): Practical SAT solving, 1st part.
- 10:30–11:00 *Coffee break*
- 11:00–12:00 A. Atserias (Universitat Politècnica de Catalunya, Barcelona):  
The proof complexity of random formulas.
- 12:00–14:00 *Lunch break*
- 14:00–15:30 R. Zecchina (International Centre for Theoretical Physics, Trieste):  
Statistical physics of constraint satisfaction networks, 1st part.
- 15:30–16:00 *Coffee break*
- 16:00–16:30 M. Thurley (Humboldt university, Berlin):  
KONTAKTE - SAT-solvers and model counting.

### Saturday, Oct. 28

- 9:15–10:45 E. Goldberg: Practical SAT solving, 2nd part.
- 10:45–11:15 *Coffee break*
- 11:15–12:15 D. Vilenchik (Tel Aviv University): Why almost all  $k$ -colorable graphs are easy.
- 12:15–14:00 *Lunch break*
- 14:00–15:30 R. Zecchina: Statistical physics of constraint satisfaction networks, 2nd part.
- 15:30–16:00 *Coffee break*
- 16:00–16:30 K. Panagiotou (ETH Zürich): On the chromatic number of random graphs.
- 16:30–17:00 M. Bodirsky (Humboldt university, Berlin):  
Algorithms for temporal constraint satisfaction problems.
- 19:00 *Joint dinner*

### Sunday, Oct. 29

- 9:15–10:45 E. Goldberg: Practical SAT solving, 3rd part.
- 10:45–11:15 *Coffee break*
- 11:15–12:15 A. Bovier (Weierstrass Institute, Berlin):  
Recent progress on the spin glass problem.
- 12:15–14:00 *Lunch break*
- 14:00–15:30 R. Zecchina: Statistical physics of constraint satisfaction networks, 3rd part.