Constraint Satisfaction Techniques for Planning and Scheduling Problems (COPLAS)

Organizers: Miguel A. Salido, Roman Barták, Nicola Policella
Date and Location: June 13, 2011, Hall 101-00-010/014 Computer Science Campus

09:00–09:05	**Welcome**

Planning and SAT

09:05–09:35	*Optimization of Partial-Order Plans via MAXSAT* Christian Muise, Sheila McIlraith, J. Christopher Beck
09:35–10:05	*Exploiting MaxSAT for Preference-Based Planning* Farah Juma, Eric Hsu, Sheila McIlraith
10:05–10:35	*A SAT Compilation of the Landmark Graph* Vidal Alcazar, Manuela Veloso

Coffee Break

Scheduling and Resource Allocation

11:00–11:30	*A Logic-Based Benders Approach to Scheduling with Alternative Resources and Setup Times* Tony T. Tran, J. Christopher Beck
11:30–12:00	*Applying Iterative Flattening Search to the Job Shop Scheduling Problem with Alternative Resources and Sequence Dependent Setup Times* Angelo Oddi, Riccardo Rasconi, Amedeo Cesta, Stephen F. Smith
12:00–12:30	*Solving Resource Allocation/Scheduling Problems with Constraint Integer Programming* Stefan Heinz, J. Christopher Beck

Lunch Break

Modelling and Real-life Problems

14:00–14:30	*A Constraint-based Approach for Planning and Scheduling Repeated Activities* Irene Barba, Carmelo Del Valle
14:30–15:00	*A CFLP Approach for Modeling an Optimization Scheduling Problem* Ignacio Castiñeiras, Fernando Sáenz-Pérez
15:00–15:30	*The Distance-Optimal Inter-League Schedule for Japanese Pro Baseball* Richard Hoshino, Ken-ichi Kawarabayashi