

Monte-Carlo Tree Search: Theory and Applications (MCTS)

Organizers: Chris Mansley, Alan Fern, Michael Littman, Sergiu Goschin

Date and Location: June 12, 2011, Hall 101-00-010/014 Computer Science Campus

09:00-09:15

Welcome

Keynote Speaker

09:15-10:30

Hierarchical Bandits for Sequential Decision Making
Remi Munos

Coffee Break

11:00-11:30

Repeated-task Canadian Traveler Problem
Zahy Bnaya, Ariel Felner, Dror Fried, Solomon Eyal Shimony, Olga Maksin

11:30-12:00

On the Behavior of UCT in Synthetic Search Spaces
Raghuram Ramanujan, Ashish Sabharwal, Bart Selman

12:00-12:30

Approaching Bayes-optimality using Monte-Carlo Tree Search
John Asmuth, Michael Littman

Lunch Break

14:00-14:30

Guiding Combinatorial Optimization with UCT
Ashish Sabharwal, Horst Samulowitz

14:30-14:45

Optimistic Planning for Sparsely Stochastic Systems
Lucian Busoniu, Remi Munos, Bart De Schutter, Robert Babuska

14:45-15:00

UCT-Treesplit - Parallel MCTS on Distributed Memory
Lars Schaefers, Marco Platzner, Ulf Lorenz

15:00-15:30

Poster Session

Coffee Break

16:00-16:30

Poster Session

16:30-17:30

Panel Discussion