Preliminary Schedule
Monday morning

• 09:00
  – Self-introduction of participants
  – Schedule for the week
  – Tutorial on exploration/exploitation by Peter Sunehag

• 12:15 Lunch
Preliminary Schedule
Monday afternoon

• 14:00
  – Tom Dietterich: Solving Simulator-Defined MDPs for Natural Resource Management
  – Csaba Szepesvari, Gergely Neu: Online RL
  – Ronald Ortner: Continuous RL and restless bandits
  – Martijn van Otterlo: Relations Between Reinforcement Learning, Visual Input, Perception and Action

• 18:00 Dinner
Preliminary Schedule
Tuesday morning

• 09:00
  – **Tutorial** on Statistical Learning Theory in RL and Approximate Dynamic Programming by M. Ghavamzadeh and A. Lazaric
  – Gerard Neumann: Hierarchical Learning of Motor Skills with Information-Theoretic Policy Search
  – Doina Precup: Methods for Bellman Error Basis Function construction
  – Joëlle Pineau: Reinforcement Learning using Kernel-Based Stochastic Factorization

• 12:15 Lunch
Preliminary Schedule
Tuesday afternoon

• 14:00
  – Petar Kormushev: Reinforcement Learning with Heterogeneous Policy Representations
  – Mark Ring: Continual learning
  – Rich Sutton: The quest for the ultimate TD algorithm
  – Jan H Metzen: Learning Skill Templates for Parameterized Tasks
  – Robert Busa-Fekete: Preference-based Evolutionary Direct Policy Search
  – Orhan Sönmez: Sequentially Interacting Markov Chain Monte Carlo Based Policy Iteration

• 18:00 Dinner
Preliminary Schedule
Wednesday morning

• 09:00
  – Tutorial on Universal RL by Marcus Hutter
  – Joel Veness: Universal RL – Applications and Approximations
  – Laurent Orseau: Optimal Universal Explorative Agents
  – Tor Lattimore: Bayesian Reinforcement Learning + Exploration
  – Laurent Orseau: More realistic assumptions for RL

• 12:15 Lunch
Preliminary Schedule
Wednesday afternoon

• 14:00
  – **Tutorial** on Symbolic Dynamic Programming by Scott Sanner
  – Rico Jonschkowski: Representation Learning for Reinforcement Learning in Robotics
  – Timothy Mann: Theoretical Analysis of Planning with Options
  – Mohammad Ghavamzadeh: SPSA based Actor-Critic Algorithm for Risk Sensitive Control
  – David Silver: Deterministic Policy Iteration

• 18:00 Dinner
Preliminary Schedule
Thursday morning

• 09:00
  – Tutorial on POMDPs by Joëlle Pineau
  – Jeremy Wyatt: Learning and Reasoning with POMDPs
  – Scott Sanner: Recent Advances in Symbolic Dynamic Programming for Hybrid MDPs and POMDPs
  – Lutz Frommberger: Some thoughts on Transfer Learning in RL – On States and Representation

• 12:15 Lunch
• Afternoon: Hiking
• 20:00: Discussion session
Preliminary Schedule
Friday morning

• 09:00
  – Christos Dimitrakakis: ABC and cover-tree reinforcement learning
  – Manuela Ruiz-Montiel: Multi-objective Reinforcement Learning
  – Ann Nowe: Multi-Objective Reinforcement Learning
  – Rico Jonschkowski: Temporal Abstraction in Reinforcement Learning with Proximity Statistics
  – Christos Dimitrakakis: RL competition

• 12:15 Lunch