Time	Saturday 14 July (Location: Room B4)
08:20 to 08:30	Welcome & opening remarks
08:30 to 09:30	**Keynote:** Shimon Whiteson. *Talk title TBC*
09:30 to 10:00	**Long talk:** Diederik M. Roijers, Luisa M Zintgraf, Pieter Libin and Ann Nowe. *Interactive Multi-Objective Reinforcement Learning in Multi-Armed Bandits for Any Utility Function*
10:00 to 10:30	Coffee break
10:30 to 11:00	**Long talk:** Sergio Valcarcel Macua, Aleksi Tukiainen, Daniel Garcia-Ocaña Hernández, David Baldazo, Enrique Munoz de Cote and Santiago Zazo. *Diff-DAC: Distributed Actor-Critic for Average Multitask Deep Reinforcement Learning*
11:00 to 11:30	**Long talk:** Diederik M. Roijers, Denis Steckelmacher and Ann Nowé. *Multi-objective Reinforcement Learning for the Expected Utility of the Return*
11:30 to 11:45	**Short talk:** Jaromir Janisch, Viliam Lisy and Tomas Pevny. *Classification with Costly Features using Deep Reinforcement Learning*
11:45 to 12:00	**Short talk:** Arushi Jain, Khimya Khetarpal and Doina Precup. *Safe Option-Critic: Learning Safety in the Option-Critic Architecture*
12:00 to 12:15	**Short talk:** Thommen Karimpanal George and Roland Bouffanais. *Self-Organizing Maps as a Storage and Transfer Mechanism in Reinforcement Learning*
12:15 to 12:30	**Short talk:** Timothy Verstraeten and Ann Nowé. *Reinforcement Learning for Fleet Applications using Coregionalized Gaussian Processes*
12:30 to 12:45	**Short talk:** Weixun Wang, Jianye Hao, Yixi Wang and Matthew Taylor. *Achieving Cooperation Through Deep Multiagent Reinforcement Learning in Sequential Prisoner's Dilemmas*
12:45 to 14:00	Lunch break
14:00 to 14:30	**Long talk:** Panayiotis Danassis and Boi Faltings. *Courtesy as a Means to Anti-coordinate*
14:30 to 14:45	**Short talk:** Gabriel De O. Ramos, Bruno Castro Da Silva, Roxana Radulescu and Ana L. C. Bazzan. *Learning System-Efficient Equilibria in Route Choice Using Tolls*
14:45 to 15:00	**Short talk:** Rachna Nanda Kumar, Chad Crawford and Sen Sandip. *Effects of Parity, Sympathy and Reciprocity in Increasing Social Welfare*
15:00 to 15:15	**Short talk:** Jonathan Serrano, Eduardo Morales, Pablo Hernandez Leal, Daan Bloembergen and Michael Kaisers. *Learning on a budget using distributional RL*
15:15 to 15:30	**Short talk:** Daiki Kimura, Subhajit Chaudhury, Ryuki Tachibana and Sakyasingha Dasgupta. *Internal Model from Observations for Reward Shaping*
15:30 to 16:00	Coffee break
16:00 to 18:00	**Poster Session A**

Time	Sunday 15 July (Location: Room B4)
08:30 to 09:30	**Keynote:** Kagan Tumer. *Objective Functions and Autonomy: What the World Cup can teach us about the Future of AI*
09:30 to 10:00	**Long talk:** Bikramjit Banerjee and Matthew Taylor. *Coordination Confidence based Human-Multi-Agent Transfer Learning for Collaborative Teams*
10:00 to 10:30	Coffee break
10:30 to 11:00	**Long talk:** Akshat Agarwal, Swaminathan Gurumurthy, Vasu Sharma and Katia Sycara. *Mind Your Language: Learning Visually Grounded Dialog in a Multi-Agent Setting*
11:00 to 11:30	**Long talk:** Mao Li, Tim Brys and Daniel Kudenko. *Introspective Reinforcement Learning and Learning from Demonstration*
11:30 to 11:45	**Short talk:** Mao Li, Yi Wei and Daniel Kudenko. *Reinforcement learning from multiple experts demonstrations*
11:45 to 12:00	**Short talk:** Karl Mason, Jim Duggan and Enda Howley. *Maze Navigation using Neural Networks Evolved with Novelty Search and Differential Evolution*
12:00 to 12:15	**Short talk:** Richard Klima, Daan Bloembergen, Michael Kaisers and Karl Tuyls. *Learning robust policies when losing control*
12:15 to 12:30	**Short talk:** Eric Klinkhammer, Connor Yates, Yathartha Tuladhar and Kagan Tumer. *Learning in Complex Domains: Leveraging Multiple Rewards through Alignment*
12:30 to 12:45	**Short talk:** Jessie Huang, Fa Wu, Doina Precup and Yang Cai. *Learning safe policies with expert guidance*
12:45 to 14:00	Lunch break
14:00 to 14:30	**Long talk:** Sammie Katt, Frans Oliehoek and Christopher Amato. Efficient Exploitation of Factored Domains in Bayesian Reinforcement Learning for POMDPs
14:30 to 15:00	**Long talk:** Biswarup Bhattacharya, Han Ching Ou, Arunesh Sinha, Sze-Chuan Suen, Bistra Dilkina and Milind Tambe. *Repeated Active Screening of Networks for Diseases*
15:00 to 15:30	**Panel discussion:** Participants TBC. *Establishing a career in AI*
15:30 to 16:00	Coffee break
16:00 to 18:00	**Awards & closing remarks, followed by Poster Session B**

Poster Session A, Saturday 14 July 16:00 to 18:00	Poster Session B, Sunday 15 July 16:00 to 18:00
Caroline Player and Nathan Griffiths. *Addressing Concept Drift in Reputation Assessment*	Aleksandra Malysheva, Aleksei Shpilman and Daniel Kudenko. *Learning to Run with Reward Shaping from Video Data*
Di Wu, Guillaume Rabusseau, Vincent François-Lavet, Doina Precup and Benoit Boulet. *Optimizing Home Energy Management and Electric Vehicle Charging with Reinforcement Learning*	John Burden and Daniel Kudenko. *Using Uniform State Abstractions For Reward Shaping With Reinforcement Learning*
Mathieu Reymond, Christophe Patyn, Roxana Radulescu, Geert Deconinck and Ann Nowe. *Reinforcement Learning for Demand Response of Domestic Household Appliances*	Gabriel de La Cruz, Yunshu Du and Matthew Taylor. *Pre-training Neural Networks with Human Demonstrations for Deep Reinforcement Learning*
Xinlei Pan, Eshed Ohn-Bar, Nicholas Rhinehart, Yan Xu, Yilin Shen and Kris M. Kitani. *Human-Interactive Subgoal Supervision for Efficient Inverse Reinforcement Learning*	Francis Lawlor, Rem Collier and Vivek Nallur. *Towards a Programmable Framework for Agent Game Playing*
Tambet Matiisen, Aqeel Labash, Daniel Majoral, Jaan Aru and Raul Vicente. *Do deep reinforcement learning agents model intentions?*	Su Zhang and Matthew Taylor. *Enhanced Learning from Multiple Demonstrations with a Two-level Structured Approach*
Dustin Dannenhauer, Michael Floyd, Matthew Molineaux and David Aha. *Learning from Exploration: Towards an Explainable Goal Reasoning Agent*	Golden Rockefeller, Scott Chow, Yathartha Tuladhar and Kagan Tumer. *Policy Progress Score for Automatic Task Selection in Curriculum Learning*
Oliver Roesler and Ann Nowé. *Simultaneous Action Learning and Grounding through Reinforcement and Cross-Situational Learning*	David Isele and Kikuo Fujimura. *The Sidewalk Problem*