

# W18 – MSDM Multiagent Sequential Decision Making Under Uncertainty Workshop Program

## 08:55 WELCOME AND INTRODUCTIONS

### PAPER SESSION A (Chair: Stefan Witwicki)

- 09:15 Bikramjit Banerjee, Jeremy Lyle, Landon Kraemer, and Rajesh Yellamraju  
*Solving Finite Horizon Decentralized POMDPs by Distributed Reinforcement Learning*
- 09:40 Chongjie Zhang and Victor Lesser  
*Coordinated Multi-Agent Learning for Decentralized POMDPs*
- 10:05 Discussion

## 10:20 COFFEE BREAK

### PAPER SESSION B (Chair: Frans Oliehoek)

- 10:50 Manuel Arias, Francisco Díez, Miguel Palacios-Alonso, Mar Yebra, and Jorge Fernández  
*POMDPs in OpenMarkov and ProbModelXML*
- 11:05 Robert Cohn, Edmund Durfee, and Satinder Singh  
*Planning Delayed-Response Queries and Transient Policies under Reward Uncertainty*
- 11:30 Francisco S. Melo, Matthijs Spaan, and Stefan Witwicki  
*Exploiting Sparse Interactions for Optimizing Communication in Dec-MDPs*
- 11:55 Discussion

### INVITED TALK

- 12:15 Professor Makoto Yokoo  
Kyushu University  
*Repeated Games with Private Monitoring: A New Frontier for POMDP Researchers*

## 13:00 LUNCH BREAK

### PAPER SESSION C (Chair: Prashant Doshi)

- 14:20 Zinovi Rabinovich  
*Strategic Behaviour Under Constrained Autonomy*
- 14:45 Frans Oliehoek and Matthijs Spaan  
*Tree-based Pruning for Multiagent POMDPs with Delayed Communication*
- 15:10 Yongjoon Joe, Atsushi Iwasaki, Michihiro Kandori, Ichiro Obara, and Makoto Yokoo  
*Automated Equilibrium Analysis of Repeated Games with Private Monitoring: A POMDP Approach*
- 15:35 Discussion

## 16:00 COFFEE BREAK

### PAPER SESSION D (Chair: Jun-young Kwak)

- 16:30 Pradeep Varakantham, William Yeoh, Prasanna Velagapudi, Katia Sycara, and Paul Scerri  
*Prioritized Shaping of Models for Solving DEC-POMDPs*
- 16:45 Jilles Dibangoye, Christopher Amato, and Arnaud Doniec  
*Improved Solution of Decentralized MDPs through Heuristic Search*
- 17:10 Discussion

## 17:25 FINAL DISCUSSION AND CLOSING REMARKS

## 18:00 WORKSHOP ENDS