

Journal Track Schedule

Thursday, February 9 - Room 203AB

JT1: Fairness & Privacy
11:15am-12:30pm

Paper Title

2515 Improving Fairness Generalization Through a Sample-Robust Optimization Method
3395 Certifiably Robust Interpretation via Renyi Differential Privacy
7266 Learning Tractable Probabilistic Models for Moral Responsibility and Blame

Paper Authors

Julien Ferry, Ulrich Aivodji, Sebastien Gambs, Marie-José Huguet and Mohamed Siala
Ao Liu, Xiaoyu Chen, Sijia Liu, Lirong Xia and Chuang Gan
Lewis Hammond and Vaishak Belle

JT2: Explainable and Verifiable AI 2
:00-3:15pm

Paper Title

2143 The quest of parsimonious XAI: A human-agent architecture for explanation formulation
8450 A counter abstraction technique for verifying properties of probabilistic swarm systems
9371 Explainable Robotic Plan Execution Monitoring under Partial Observability

Paper Authors

Yazan Mualla, Igor Tchappi, Timotheus Kampik, Amro Najjar, Davide Calvaresi, Abdeljalil Abbas-Turki, Stéphane Galland and Christophe Nicolle

Alessio Lomuscio and Edoardo Pirovano

Gökay Çoruhlu, Esra Erdem and Volkan Patoglu

Friday, February 10 - Room 203AB

JT3: Machine Learning 1
9:30 – 10:45

Paper Title

3134 Learning programs by learning from failures
9339 MurTree: Optimal Decision Trees via Dynamic Programming and Search
Distilling Ensemble of Explanations for Weakly-Supervised Pre-Training of Image
2971 Segmentation Models

Paper Authors

Andrew Cropper and Rolf Morel
Emir Demirović, Anna Lukina, Emmanuel Hebrard, Jeffrey Chan, James Bailey, Christopher Leckie, Rao Kotagiri and Peter J. Stuckey
Xuhong Li, Haoyi Xiong, Yi Liu, Dingfu Zhou, Zeyu Chen, Yaqing Wang and Dejing Dou

JT4: Machine Learning 2
11:15am-12:30pm

Paper Title

6455 Machine truth serum: a surprisingly popular approach to improving ensemble methods
8269 Bayesian Feature Interaction Selection for Factorization Machines
9349 Multi-target prediction for dummies using two-branch neural networks

Paper Authors

Tianyi Luo and Yang Liu
Yifan Chen, Yang Wang, Pengjie Ren, Meng Wang and Maarten de Rijke
Dimitrios Iliadis, Bernard De Baets and Willem Waegeman

JT5: Relational Learning and Reasoning
2:00pm-3:15pm

Paper Title

3363 Lifted model checking for relational MDPs
9136 Beyond Graph Neural Networks with Lifted Relational Neural Networks

Paper Authors

Wen-Chi Yang, Jean-Francois Raskin and Luc De Raedt
Gustav Šir, Filip Železný and Ondřej Kuželka

JT6: Knowledge Representation and Reasoning
3:45pm-5:00pm

Paper Title

5617 An Action Language for Multi-Agent Domains
Epistemic GDL: A Logic for Representing and Reasoning about Imperfect Information
2552 Games

Paper Authors

Chitta Baral, Gregory Gelfond, Enrico Pontelli and Tran Cao Son
Guifei Jiang, Dongmo Zhang, Laurent Perrussel and Heng Zhang