XLoKR 2020 Program

September 13, 2020 (morning)

09:00-10:30  Session-1

09:00–09:10: Opening

09:10-10:10: Tim Miller. Explainable artificial intelligence: beware the inmates running the asylum (or How I learnt to stop worrying and love the social and behavioural sciences)

10:10-10:30: Tiago Mota, Mohan Sridharan and Ales Leonardis. Commonsense Reasoning and Deep Learning for Transparent Decision Making in Robotics

Coffee break

11:00 - 12:45  Session-2

11:00–11:35: Zeynep G. Saribatur. Towards Comprehensible ASP Reasoning by Means of Abstraction


10:55-12:30: Maayan Shvo, Toryn Q. Klassen and Sheila A. McIlraith. Towards the Role of Theory of Mind in Explanation

12:30-12:45: Discussion

Lunch break
XLoKR 2020 Program

September 13, 2020 (afternoon)

14:15 - 15:45 Session-3

14:15–14:50: Ismail Ilkan Ceylan, Thomas Lukasiewicz, Enrico Malizia and Andrius Vaicenavičius. Explanations for Query Answers under Existential Rules

14:50-15:10: Akash Panda and Bart Kosko. Bayesian Rule Posteriors from a Rule Foam

15:10-15:45: Federico Croce and Maurizio Lenzerini. Explaining Classifiers in Ontology-Based Data Access

Coffee break

16:15 - 18:00 Session-4

16:15–16:50: Emilio Gamba, Bart Bogaerts and Tias Guns. Step-wise explaining how to solve constraint satisfaction problems

16:50-17:10: Freek Stulp, Adrian S. Bauer, Samuel Bustamante, Florian S. Lay, Peter Schmaus and Daniel Leidner. Explainability and Knowledge Representation in Robotics: The Green Button Challenge

17:10-17:45: Roberto Confalonieri, Pietro Galliani, Guendalina Righetti, Oliver Kutz, Daniele Porello and Nicolas Troquard. Two Knowledge-driven Approaches to Explaining Black-box Models

17:45-18:00: Discussion
XLoKR 2020 Program

September 14, 2020 (morning)

09:00-10:30  Session-5

09:00–09:35: Emanuele Albini, Pietro Baroni, Antonio Rago and Francesca Toni. Explaining PageRank through argumentation


09:55-10:30: Sylvie Coste-Marquis and Pierre Marquis. From Explanations to Intelligible Explanations

Coffee break

11:00 - 12:45  Session-6

11:00–11:35: Christian Alrabbaa, Stefan Borgwardt, Patrick Koopmann and Alisa Kovtunova. Finding Proofs for Description Logic Entailments in Practice (Extended Abstract)


12:10-12:45: Discussion and Closing