

# XLoKR 2020 Program

**September 13, 2020 (morning)**

*Times are CET (Paris=Berlin=Rome time)*

**09:00-10:30 Session-1** (chairs: Franz Baader, Patrick Koopmann)

**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** (chairs: Franz Baader, Filippo De Bortoli)

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

**11:35-11:55:** Martin Jedwabny, Pierre Bisquert and Madalina Croitoru. *Explaining ethical planning using ASP*

**10:55-12:30:** Roberto Confalonieri, Pietro Galliani, Guendalina Righetti, Oliver Kutz, Daniele Porello and Nicolas Troquard. *Two Knowledge-driven Approaches to Explaining Black-box Models*

**12:30-12:45:** *Discussion*

***Lunch break***

# XLoKR 2020 Program

**September 13, 2020 (afternoon)**

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**14:15 - 15:45 Session-3** (chairs: Rafael Peñaloza, Walter Forkel)

**14:15-14:50:** Federico Croce and Maurizio Lenzerini. *Explaining Classifiers in Ontology-Based Data Access*

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

**15:10-15:45:** Ismail Ilkan Ceylan, Thomas Lukasiewicz, Enrico Malizia and Andrius Vaicenavičius. *Explanations for Query Answers under Existential Rules*

***Coffee break***

**16:15 - 18:00 Session-4** (chairs: Mohan Sridharan, Christian Alrabbaa)

**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:** Maayan Shvo, Toryn Q. Klassen and Sheila A. McIlraith. *Towards the Role of Theory of Mind in Explanation*

**17:45-18:00:** Discussion

# XLoKR 2020 Program

**September 14, 2020 (morning)**

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**09:00-10:30 Session-5** (chairs: Gerd Brewka, Satyadharma Tirtarasa)

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

**09:35-09:55:** Mariela Morveli Espinoza and Cesar Augusto Tacla. *Generating Explanations from Abstract Argumentation Frameworks: A Goals Selection Study Case*

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

***Coffee break***

**11:00 - 12:45 Session-6** (chairs: Stefan Schlobach, Oliver Fernández Gil)

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

**11:35-12:10:** Stefan Borgwardt, Anke Hirsch, Alisa Kovtunova and Frederik Wiehr. *In the Eye of the Beholder: Which Proofs are Best?*

**12:10-12:45:** *Discussion and Closing*