Program

08.30 – 09.30  Registration
09.30 – 10.30  Keynote talk: Robert Kowalski. The Connection Graph Proof Procedure as a Logical-Connectionist Model of the Mind
10.30 – 11.00 Andreas Wichert. Neural Sub-Symbolic Reasoning

coffee break

11.30 – 12.00 Christian Huyck, Roman Belavkin, Fawad Jamshed, Kailash Nadh, Peter Passmore, Emma Byrne and Dan Diaper. CABot3: A Simulated Neural Games Agent
12.00 – 12.30 Gadi Pinkas, Priscila Lima and Shimon Cohen. Compact Crossbars of Multi-Purpose Binders for Neuro-Symbolic Computation
12.30 – 13.00 Silvano Colombo Tosatto, Guido Boella, Leon Van Der Torre, Artur d'Avila Garcez and Valerio Genovese. Embedding Normative Reasoning into Neural-Symbolic Systems

lunch break

14.00 – 14.30 Leo de Penning. A Neural-Symbolic Cognitive Agent for Online Learning and Reasoning
15.00 – 15.30 Yoshiaki Gotou, Wataru Makiguchi and Hajime Sawamura. Extracting Argumentative Dialogues from the Neural Network that Computes the Dungean Argumentation Semantics
15.30 – 16.30 Posters and Demos:
Leo de Penning. Visual Intelligence using Neural-Symbolic Learning and Reasoning (demo)
Silvano Colombo-Tosatto. Neural-Symbolic Learning: How to Play Soccer (demo)
Norbert Tsopze, Engelbert Mephu Nguifo and Gilbert Tindo. Extracting both MofN rules and If-Then rules from Trained Neural Networks (poster)
Ekaterina Komendantskaya and Qiming Zhang. SHERLOCK - An Interface for Neuro-Symbolic Networks (poster)

coffee break

17.00 – 18.00 Discussion: Directions for Neural-Symbolic Computation