LuxLogAI
Luxembourg Logic for AI Summit
12-21 Sep 2018, Luxembourg

The Luxembourg Logic for AI Summit (LuxLogAI) will bring together international conferences and workshops covering a wide range of topics in artificial intelligence, rule-based reasoning, decision making, machine learning, machine law, machine regulation and machine ethics.

- GCAI 2018: 17–19 Sep 2018
- RuleML+RR 2018: 18–21 Sep 2018
- DecisionCAMP 2018: 17–19 Sep 2018
- RW Summer School 2018: 12–16 Sep 2018
- eventually further meetings and workshops (e.g. EU Horizon 2020 MIREL network meeting)
- joint panel discussion (e.g. on machine law/ethics)

An overall focus theme of LuxLogAI 2018 is *Methods and Tools for Responsible AI*. Submissions and participation from academia and industry are highly encouraged, and the active involvement of research students will be fostered.

Conference Chairs: Leon van der Torre, Martin Theobald, Xavier Parent (all U Luxembourg)

Organisational Support: Christoph Benzmüller (U Luxembourg & FU Berlin), Geoff Sutcliffe (U Miami)

Publicity Chair: Shohreh Haddadan (U Luxembourg)

GCAI 2018
`http://easychair.org/smart-program/GCAI-2018/`

The 4th Global Conference on Artificial Intelligence (GCAI) covers all topics in the field of artificial intelligence including robotics, machine learning, big data, knowledge representation and reasoning, cognitive modelling, education, creativity, etc. A particular focus of GCAI 2018 will be on social and societal implications of artificial intelligence and in close collaboration with the overall LuxLogAI event, the GCAI 2018 conference will adopt *Methods and Tools for Responsible AI* as a particular focus topic.

PC Chairs: Daniel Lee (University of Pennsylvania) and Toby Walsh (TU Berlin and Data61, UNSW)

Invited Speakers: to be announced

Paper Submission: presumably April/May 2018

MIREL (EU Horizon 2020)
`http://www.mirelproject.eu`

The MIREL project, headed by Leon van der Torre, creates an international and inter-sectorial network to define a formal framework and to develop tools for MIning and REasoning with Legal texts, with the aim of translating these legal texts into formal representations that can be used for querying norms, compliance checking, and decision support.

RuleML+RR 2018
`http://2018.ruleml-rr.org`

The International Joint Conference on Rules and Reasoning (RuleML+RR) is the leading international joint conference in the field of rule-based reasoning, and focuses on theoretical advances, novel technologies, as well as innovative applications concerning knowledge representation and reasoning with rules. The event will bring together rigorous researchers and inventive practitioners, interested in the foundations and applications of rules and reasoning in academia, industry, engineering, the legal domain (LegalRuleML), business, finance, healthcare, and other application areas. It will provide a forum for stimulating cooperation and cross-fertilization between the many different communities focused on the research, development and applications of rule-based systems.

PC Chairs: Christoph Benzmüller (U Luxembourg & FU Berlin) and Francesco Ricca (U Calabria)

Proceedings: Dumitru Roman (SINTEF/U Oslo)

Industry Track: Silvie Spreeuwenberg (LibRT Amsterdam)

Int'l Rule Challenge: Giovanni De Gasperis (U L'Aquila)

Invited Speakers: Georg Gottlob (University of Oxford), Guido Governatori (Data61/CSIRO),

Paper Submission: 27 April 2018 (preliminary)

DecisionCAMP 2018
`https://decisioncamp2018.wordpress.com`

Decision Management is rapidly becoming the critical methodological and technological framework to support decision making approaches across a wide range of industries. DecisionCAMP is the latest incarnation of the series of popular events for Decision Management practitioners. DecisionCAMP 2018 will include presentations from leading decision management authorities, vendors, and practitioners.

Chair: Jacob Feldman, OpenRules, USA

Abstract Submission: presumably March/April 2018

Reasoning Web (RW) Summer School 2018
`http://2018.ruleml-rr.org/to-be-announced`

Many advanced capabilities required by Semantic Web, Linked Data and Knowledge Graph application scenarios call for reasoning. Thus, a perspective centered on the reasoning techniques complementing other research efforts in this area is desirable. The Reasoning Web series of annual Summer Schools is devoted to this perspective, and gives insight into the Semantic Web, Linked Data, Knowledge Graph, Ontologies, Rules, and Logic.

Chair: to be announced

Application Deadline: to be announced

Luxembourg

Luxembourg, officially the Grand Duchy of Luxembourg, is a landlocked country in western Europe. It is bordered by Belgium to the west and north, Germany to the east, and France to the south. Its capital, Luxembourg City, is, together with Brussels and Strasbourg, one of the three official capitals of the European Union and the seat of the European Court of Justice, the highest juridical authority in the EU. Its culture, people and languages are highly intertwined with its neighbours, making it essentially a mixture of French and Germanic cultures. In 2016, Luxembourg had a population of 576 249, which makes it one of the least-populous countries in Europe, but by far the one with the highest population growth rate.

University of Luxembourg

Founded in 2003, the University of Luxembourg is the only public university of the Grand Duchy of Luxembourg. Multilingual, international and research-oriented, it is also a modern institution with a personal atmosphere.

Over the course of the next decade, the University of Luxembourg aims to create a new model of a European research university for the 21st century with a distinctly international, multilingual and interdisciplinary character.

The University will sharpen its profile with a focus on the generation and transmission of knowledge at the forefront of the unknown. It aspires to be recognized worldwide for its innovative power and academic successes in selected areas and its contribution to the economic, social and cultural development of Luxembourg.

Going forward, the University will be shaped by three strategic pillars: the commitment to digitalisation; its strength as the most international university in Europe and its sustainable integration into Luxembourg. Together, these pillars form the distinctive framework by which the University will uniquely project itself on the national, European and international stages.

LuxLogAI Venue Options

Option A: Alvisse Parc hotel (http://www.parc-hotel.lu)

Option B: New Campus, Esch-sur-Alzette

Option C: Kirchberg, JFK Building, Luxembourg City