

# JURIX 2017

## The 30<sup>th</sup> International Conference on Legal Knowledge and Information Systems

**Venue: Luxembourg**

**Conference website:** <https://jurix2017.gforge.uni.lu/>

### Important dates:

- Paper submission: 24 September 2017 (extended)
- Demo & poster submission: 24 September 2017 (extended)
- Workshop & tutorial proposal submission: 24 September 2017 (extended)
- Notification of acceptance: 11 October 2017
- Camera ready deadline: 20 October 2017
- Workshops & tutorials: 13 December 2017
- Main conference: 14 and 15 December 2017

### Topics

For 30 years, the JURIX conference has provided an international forum for research on the intersection of Law, Artificial Intelligence and Information Systems, under the auspices of [The JURIX Foundation for Legal Knowledge Systems](#).

We invite submission of original papers on the advanced management of legal information and knowledge systems, covering foundations, methods, tools, systems and applications. We welcome submissions on a wide variety of topics including, but not limited to, the following:

#### I - Theory and foundations

Contributions to the theory and interdisciplinary foundations for the use of Artificial Intelligence techniques in the legal and forensic domain. Papers should demonstrate (formal) validity, novelty and significance of the work.

- Representation languages and formalisms for legal knowledge;
- Models of legal knowledge, including concepts (legal ontologies), rules, cases, principles, values and procedures;
- Models of legal interactions of autonomous agents and digital institutions, including normative systems, and norm-governed societies;
- Methods and algorithms for performing legal inference, including argumentation.

## II - Technology

Contributions to the technological advancement of Artificial Intelligence and Information Systems in the legal and forensic domain. Papers should demonstrate quality, novelty and significance of the work, and evaluate results.

- Technology for expressing the structure and connections of legal texts and rules, including legislative, judicial, administrative acts as well as private documents, such as contracts;
- Technology for expressing the semantics of legal information and knowledge, including legal Open Data;
- Technology for the large scale analysis of legal knowledge and information;
- Technology for the verification and validation of legal knowledge systems;
- Technology for digital-rights management, access policies and authorisation, including issues in social networks;
- Technology for natural language processing and annotation of legal texts;
- Technology for social simulations in the legal domain;
- Technology for information retrieval over large bodies of legal texts;
- Support and methodologies for the acquisition, management or use of legal knowledge in information systems.

## III - Applications

Implementations of AI & Law technology in real world systems. Papers should demonstrate added value, novelty and significance of the work, and if possible, validate the described system and evaluate (potential) impact.

- Support for the production and management of legislation, in agenda setting, policy analysis, drafting, publishing and implementation;
- Support for the judiciary, in application of the law, analysis of evidence, management of cases;
- Support for lawyers, in legal reasoning, document drafting, negotiation;
- Support for police and law enforcement activities, in forensic inquiries, search and evaluation of evidence, management of investigations;
- Support for public administration, in applying regulations and managing information;
- Support for business, economic transactions, and other private parties in managing regulatory compliance and compliance of business processes;
- Support for private parties in using alternative forms of dispute resolution, particularly on-line;
- Support for education by using legal information systems in a teaching environment.

## Long, Short, and Demo Paper submission

The deadline for paper submission is **Sunday, September 24, 2017(extended)**.

The conference proceedings will be published by IOS Press in their series Frontiers in Artificial Intelligence and Applications (FAIA). Papers are to be submitted through the EasyChair Conference Management System in PDF format:

<https://easychair.org/conferences/?conf=jurix2017>

All submissions should be formatted using the styles and guidelines in the IOS Press Instructions for Authors:

<http://www.iospress.nl/service/authors/latex-and-word-tools-for-book-authors/>

**There are three categories of papers** Please indicate the category of your paper when you submit the paper to Easychair.

- **Long papers**

These are reports of well-developed and original research. An accepted long paper scores well in terms of relevance, originality, technical quality, significance, literature review, presentation, reviewer's confidence, and overall evaluation. These should not exceed 10 pages. A paper which is not accepted as a long paper may be recommended by reviewers as a short paper.

- **Short papers**

Authors can submit short descriptions of preliminary results or an innovative idea. These papers should not exceed 4 pages.

- **Demo papers**

Authors can submit short descriptions of a system. These papers should not exceed 4 pages. Authors of demo papers should be willing to share (a screencast of) the demo privately with the reviewers, if so requested.

## **Double Submission**

We welcome and encourage the submission of high quality, original papers, which are not simultaneously submitted for publication elsewhere except to JURISIN 2017. Papers being submitted both to JURIX 2017 and JURISIN 2017 must note this on the title page, and a paper to be presented at JURIX 2017 must be withdrawn from JURISIN 2017 and vice versa according to the choice by the authors. Failure to follow this policy will result in the paper not being included in the proceedings of JURIX 2017.

## **Enquiries**

Enquiries concerning the program should be addressed to the Program chair ([azwyner@abdn.ac.uk](mailto:azwyner@abdn.ac.uk)). Other enquiries should be addressed to the local organisers ([giovanni.casini@uni.lu](mailto:giovanni.casini@uni.lu); [xavier.parent@uni.lu](mailto:xavier.parent@uni.lu))