

JURIX2021

Wednesday 8 to Friday, 10 December 2021, Vilnius LT

<https://jurix2021.mruni.eu/> * Onsite & Online

Call for Papers, Workshops, Tutorials and Legal Informatics Moot Courts

For more than 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 as well as legal and ethical issues related to the design, development and application of such systems. 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 and ethical knowledge, including concepts (legal ontologies), rules, cases, principles, values, procedures and society models;
- Models of legal interactions of autonomous agents and digital institutions, including normative systems, and norm-governed societies;
- Methods and algorithms for performing legal reasoning, including argumentation on issues of law and issues of fact;
- Methods and algorithms for designing legal data analytics and predictive models;
- Theories and approaches providing foundations for legal knowledge and reasoning modeling;
- Foundational issues of legal knowledge systems design;
- Methods and foundations for legal design discipline;
- Practical application of legal informatics (advanced LegalTech).

II - Technology

Contributions to the technological advancement of: 1) Administration, Justice and Law-Making; 2) Artificial Intelligence and Information Systems in the legal 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, parliamentary, administrative acts as well as private documents, such as contracts;
- Technology for expressing the semantics of legal information and knowledge, including Legal Open Data, Legal Big Data, Knowledge Graph Database;
- Technology for the large scale analysis of legal knowledge and information;
- Technology for the verification and validation of legal knowledge systems, including checking compliance systems;

- Technology for digital-rights management, licensing, access policies and authorisation, including issues in social networks;
- Technology for managing privacy, cybersecurity and digital identity issues, including blockchain methods;
- Technology for managing eCommerce, fraud detection and new market platforms issues;
- Technology for natural language processing and annotation of legal texts, including argument retrieval;
- Technology for social simulations in the legal domain and for democratic innovation;
- Technology for information retrieval over large bodies of legal texts and legal data;
- Technology for support of conflict management and dispute resolution;
- Technology for visualization of legal information, data and argumentation;
- Support and methodologies for the acquisition, management or use of legal knowledge in information systems;
- Legal technology for explainability, transparency and intelligibility;
- Legal technology for the prevention of bias and prejudice in data and algorithms;
- Legal technology addressing legal personhood and liability issues;
- Technology addressing the issues of legal design;
- Cybersecurity for law firms and legal tech solutions;
- Compliance framework/standards for law firms and legal tech solution.

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, management of cases;
- 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, evaluation of evidence 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 online;
- Support for governance and citizens in enhancing participation, for a better communication (e.g. fake news) and democracy (e.g. political data in social media);
- Support for legal aid for better access to justice for self-represented litigants and other persons (including NGOs) interested in non-commercial access to legal information and support;
- Support for education by using legal information systems in a teaching environment;
- Support for the legal design projects.

Long, Short, and Demo Paper submission

The deadline for paper submission is **Sunday, September 12, 2021**.

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/my/conference?conf=jurix2021>

Early submission – with appetiser and abstract – are highly appreciated. The Conference Chair may give hints about papers with same topics in order to stimulate good papers taking into account the state of the art.

All submissions should be formatted using [the styles and guidelines](#) in the IOS Press Instructions for Authors. Previous versions may be submitted in any format.

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 2021](#). Papers being submitted both to JURIX 2021 and JURISIN 2021 must note this on the title page, and a paper to be presented at JURIX 2021 must be withdrawn from JURISIN 2021 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 2021.

Proposals for Workshops, Tutorials, Doctoral Consortia and Legal Informatics Moot Courts

Besides the conference, workshops, tutorials, Doctoral Consortia and Legal Informatics Moot Courts may be hosted, related to the themes of the conference.

Workshops should provide an informal setting where participants have the opportunity to discuss specific topics in an atmosphere that fosters the active exchange of ideas.

Tutorials should enable attendees to familiarize themselves with advances in AI and Law related subjects, both theoretical and technological.

Doctoral Consortiums should provide a platform for Ph.D students to present their work and discuss and defend ideas, preliminary conclusions or results.

Legal Informatics Moot Courts should provide a platform for a moot process on a legal case, covering aspects of legal information, AI & law, legal practice and legal questions to the network and information society (in particular data governance and privacy, IP law, e-government, e-justice and e-commerce. Sufficient programming knowledge is expected to provide solutions for e-discovery and handling of automated legal work.

Workshops, tutorials, doctoral consortia and legal informatics moot courts are scheduled on 8 December 2021 but may have additional sessions on the next days if necessary.

In case of multiple workshop/tutorial submissions on the same topic, you may be asked to negotiate a merger of your proposal with that of others.

Proposal Guidelines

We invite submissions on subjects related to the main conference (see the call for papers).

Proposals should be sent to the Program Chair Prof. Erich Schweighofer via email (erich.schweighofer@univie.ac.at)

The deadline for workshop proposals is 13 September 2021.

A proposal should be a short PDF document (max 5 pages in standard format) outlining the following elements:

- Title;
- Organizers (more than 2, preferably from different institutions);
- Abstract;
- Motivation (relation to conference, timeliness);
- Format (paper presentations, panel discussions, invited talks, general discussions, practical tasks or outbreak). We welcome and prioritize workshops with an innovative, creative format that will attract various types of contributions and ensures lively interaction;
- Indication as to whether it is a half-day or full-day event
- Intended audience and expected number of participants
- Only for workshops:
 - List of (potential) members of the program committee (25% confirmed)
 - Submission, notification and camera-ready deadline dates aligned with the ones listed in the 'Important Dates' of the main conference
 - If applicable, past versions of the workshop, including URLs and statistics on submissions/papers/attendance.

Organizers are responsible for a webpage, with links to the JURIX 2021 website; disseminate the information about the workshop and JURIX2021 to attract submissions and attendees; collecting, reviewing of submitted papers, and quality assurance, determining the program for the workshop, within the time limits provided by the conference organization; and Publishing accepted papers in electronic proceedings before the workshop date, at least at the webpage, preferably in an online journal or a repository.

Participants have to register for the workshop and the main conference.

The local organisers of JURIX2021 will provide venue, coffee breaks and online connections for the workshops, as well as some technical support that may be needed during the actual event.

Dates

- **Tuesday, 15 September 2021: Submission of long, short and demo papers**
- Tuesday, 15 September 2021: Submission of proposals for workshops, tutorials, legal informatics consortia and legal informatics moot courts
- Sunday, 10 October 2021: Information about acceptance
- Sunday, 31 October 2021: upload of camera-ready papers
- Sunday, 31 October 2021: 1st version of programme
- Sunday, 14 November 2021: 2nd version of programme, with workshops
- Sunday, 21 November 2021: 3rd and final version of programme
- Wednesday, 22 November 2021: End of registration; late and onside registrations subject to available places and additional fees
- Wednesday, 8 December 2021: Workshops and tutorials
- Thursday, 9 December 2021: Conference
- Friday, 10 December 2021: Conference

Fees

Note that early registration rates apply until **22 November 2021**.

Registering as	Early	Regular
Bachelor, MSc student	€ 30	€ 70
PhD student	€70	€100
Academic*	€ 200	€ 250
Public administration*	€ 50	€100
Commercial	€ 250	€ 300
Workshops and doctoral consortium only (student)	€ 40	€ 50
Workshops and doctoral consortium only (others)	€ 80	€ 100
Industry Session	€ 50	€ 100
Passive (online)	TBD	TBD

*Limited scholarships available for academic and administration participants from Eastern European countries.

Programme Committee

Programme Chair

Erich Schweighofer, University of Vienna, / Vienna Centre for Legal Informatics

Members: tbc (see JURIX2020)

Organising Chair

Paulius Pakutinskas, Head of LegalTech Centre, Law School, Mykolas Romeris University
(paulius.pakutinskas@mruni.eu)

Local Chair

Paulius Pakutinskas, Mykolo Romerio universitetas Vilnius

Lyra Jakulevičienė, Mykolo Romerio universitetas Vilnius

Publication Chair

Erich Schweighofer, University of Vienna / Vienna Centre for Legal Informatics

Information

Programme chair: Erich Schweighofer, University of Vienna (Erich.Schweighofer@univie.ac.at)

Local chair: Paulius Pakutinskas, Head of LegalTech Centre, Law School, Mykolas Romeris University
(paulius.pakutinskas@mruni.eu)