JURIX 2023

WORKSHOP PROGRAM
AI, LAW, AND PHILOSOPHY

18 DEC 2023

WORKSHOP 1

09:30-10:30

AI & (meta)ethics
5 minutes for every presentation by Hage, Sileno, Hulstein followed by discussion about the presented papers

10:30-10:50

Coffee break

10:50-11:50

AI and the nature of law
5 minutes for every presentation by Molinari, Dozzi and Zou. Followed by discussion about the presented papers

11:50-12:30

The role of jurisdictions
5 minutes for every presentation by Gorian en Onur. Followed by discussion about the presented papers

12:30-13:30

Lunch break

13:30-14:10

Hybrid human/machine intelligence
5 minutes for every presentation by Joosten en Dymitruk. Followed by discussion about the presented papers

14:10-15:30

LLMs: theory
5 minutes for every presentation by Marcos, Araszkiewicz, Ha-Thanh, Wehnert. Followed by discussion about the presented papers

15:30-16:00

Coffee break

16:00-17:00

LLMs: consequences for practice
5 minutes for every presentation by Rabanos, Freitas, Po-Hsien. Followed by discussion about the presented papers

JURIX 2023

WORKSHOP PROGRAM
AI-ACCESS TO JUSTICE

WORKSHOP 2

09:00-09:15   **Welcome Kickoff**

09:15-10:30   **1) AI-A2J in Practice**

09:15-09:30   Juan David Gutierrez: AI technologies in the judiciary: Critical appraisal of LLMs in judicial decision making

09:30-09:45   Ransom Wydner, Sateesh Nori, Eliza Hong, Sam Flynn, and Ali Cook: AI in Access to Justice: Coalition-Building as Key to Practical and Sustainable Applications

09:45-10:00   Mariana Raquel Mendoza Benza: Insufficient transparency in the use of AI in the judiciary of Peru and Colombia: A challenge to digital transformation

10:00-10:15   Vanja Skoric, Giovanni Sileno, and Sennay Ghebreab: Leveraging public procurement for LLMs in the public sector: Enhancing access to justice responsibly

10:15-10:30   Soumya Kandukuri: Building the AI Flywheel in the American Judiciary

10:30-11:00   **Coffee break**

10:30-11:00   **2) AI for A2J Advice, Issue-Spotting, and Engagement Tasks**

11:05-11:20   Sam Harden: Rating the Responses to Legal Questions by Generative AI Models

11:20-11:35   Margaret Hagan: Good AI Legal Help, Bad AI Legal Help: Establishing quality standards for responses to people's legal problem stories

11:35-11:50   Nick Goodson and Rongfei Lui: Intention and Context Elicitation with Large Language Models in the Legal Aid Intake Process

11:50-12:05   Nina Toivonen, Marika Salo-Lahti, Mikko Ranta, and Helena Haapio, Beyond Debt: The Intersection of Justice, Financial Wellbeing and AI

12:05-12:15   Amit Haim: Large Language Models and Legal Advice

12:15-12:30   General Discussions, Takeaways, and Next Steps on AI for Advice

JURIX 2023
WORKSHOP PROGRAM
AI-ACCESS TO JUSTICE

WORKSHOP 2

12:30–13:30 **Lunch break**

13:30–15:00 **3) AI for Forms, Contracts & Dispute Resolution**
13:35–13:50 Quinten Steenhuis, David Colarusso, and Bryce Wiley: Weaving Pathways for Justice with GPT: LLM-driven automated drafting of interactive legal applications

13:50–14:05 Katie Atkinson, David Bareham, Trevor Bench-Capon, Jon Collenette, and Jack Mumford: Tackling the Backlog: Support for Completing and Validating Forms

14:05–14:20 Anne Ketola, Helena Haapio, and Robert de Rooy: Chattable Contracts: AI Driven Access to Justice

14:20–14:30 Nishat Hyder-Rahman and Marco Giacalone: The role of generative AI in increasing access to justice in family (patrimonial) law

14:30–15:00 General Discussions, Takeaways, and Next Steps on AI for Forms & Dispute Resolution

15:00–15:30 **Coffee break**

15:30–16:30 **4) AI-A2J Technical Developments**
15:35–15:50 Marco Billi, Alessandro Parenti, Giuseppe Pisano, and Marco Sanchi: A hybrid approach of accessible legal reasoning through large language models

15:50–16:05 Bartosz Krupa - Polish BERT legal language model

16:05–16:20 Jakub Dråpal - Understanding Criminal Courts

16:20–16:30 General Discussion on Technical Developments in AI & A2J

16:30–17:00 **Closing Discussion**
What are connections between the sessions? What next steps do participants think will be useful? What new research questions and efforts might emerge from today?

JURIX 2023

WORKSHOP PROGRAM
ARTIFICIAL INTELLIGENCE FOR LEGISLATION

**18
DEC
2023**

9:00-9:30

Keynote speech
Willy Van Puymbroeck, European Commission, DG DIGIT

9:30-9:50

Pier Francesco Bresciani, Assistive AI for Law-Making: A Constitutional Analysis, University of Bologna

9:50-10:10

Chantal Bomprezzi, Blockchain technology for legislation: preliminary considerations, University of Bologna

10:10-10:30

Silvia Brambilla, FrameNet and Legal Definitions, University of Bologna

10:30-11:00

Coffee break

11:00-11:20

Keynote speech
Claudio Fabiani, AI and Parliaments: The case of European Parliament Research Service, European Parliament

11:20-11:30

Emilio De Capitani, Former Secretary of the EP Civil Liberties Committee (LIBE) (remote)

11:30-11:50

Alexandre Alves, André Nascimento, Rafael Mello and Pericles Miranda, Automatic simplification of legal texts in Portuguese using machine learning, Universidade Federal Rural de Pernambuco

11:50-12:10

Michele Corazza, Information retrieval for AI-assisted legislative drafting, University of Bologna

12:10-12:30

Guzyal Hill, ChatGPT v Australian Law Council, Charles Darwin University (remote)

12:30-13:30

Lunch break

13:30-14:00

Keynote speech
Marc Küster, Publication Office of the European Union

JURIX 2023
WORKSHOP PROGRAM
LEGAL ANNOTATION

18 DEC 2023

09:00-10:30 **Processes & Approaches**
- Challenges and Considerations in Annotating Legal Data: A Comprehensive Overview – Harshil Darji, Jelena Mitrovic, and Michael Granitzer
- Reporting Disagreement Between Annotators during the Annotation of Legal Data – Daniel Braun
- From human-in-the-loop to LLM-in-the-loop for high quality legal dataset – Irina Carnat, Daniele Licari, Gabriele Marino, Giovanni Comandé

10:30-11:00 **Coffee break**

11:00-12:30 **Annotation in Practice (1)**
- Annotating ECtHR Legal Cases – Jack Mumford, Katie Atkinson, and Trevor Bench-Capon
- Adopting Video-Recordings to Extract Embedded Domain Knowledge and Automate Legal Case Reading - Ivan Spada, Rachele Mignone, Marianna Molinari, Davide Audrito, Marinella Quaranta, Ilaria Amantea, Luigi Di Caro
- The Art of Annotating EU Statutory Provisions – Gijs van Dijck

12:30-13:30 **Lunch break**

13:30-15:00 **Annotation in Practice (2)**
- A Preliminary Agenda for Annotating Administrative Single-Case Decisions – Johan Wolswinkel
- Annotating legal texts in interaction with software tools – Diego Garat and Dina Wonsever
- A Study on Annotating Legislation – Adam Wyner, Adeline Nazarenko, and Francois Levy

15:00-15:30 **Coffee break**

15:30-17:00 **Software & Tooling**
- The Flint Editor: grasping norm frames from source texts – Robert van Doesburg, Tom van Engers, and Maaike H.T. de Boer
- Annotating Topical Legal Insights from Case Proceedings - Subinay Adhikary, Dwaipayan Roy, Debasis Ganguly, Shouvik Kumar Guha, and Kripabandhu Ghosh
- Lawnotation – Carlos Aguilera, Sander van Essel, Chris van der Lans, Shashank Chakravarthy, and Gijs van Dijck

JURIX 2023
WORKSHOP PROGRAM
DOCTORAL CONSORTIUM

WORKSHOP 5

14:00-14:15   *David Bareham*, Predicting decisions of the European Patent Office's Boards of Appeal using Machine Learning, University of Liverpool, Discussant: Michele Corazza

14:15-14:30   *Marinella Quaranta,* A Methodology for The Introduction Of Artificial Intelligence In Hospitals: Optimization and Legal Aspects, University of Bologna/University of Turin, Discussant: Dasara Dushi

14:30-14:45   *Marianna Molinari*, Predictive justice: new horizons? An investigation into the possibility of the prediction application to cases concerning personal rights, University of Bologna/University of Turin, Discussant: Federico Galli

14:45-15:00   *Jeremy Bouche-Pillon*, Formal Representation of Legal Rules for a Decision Support System, Université de Toulouse - CNRS - IRIT, France, Discussant: Monica Palmirani

15:00-15:30   **Coffee break**

15:30-15:45   Beatrice Balzola, The Meaning of Being Underage in the Digital Era, University of Bologna, Discussant: Chantal Bomprezzi

15:45-16:00   Lucas Ramon Ciutat, Forward-looking biotechnology regulatory frameworks: How can law shape the direction of genome editing applied to agriculture?, University of Bologna, Discussant: Salvatore Sapienza

16:00-16:15   Simone Vagnoni, Development of an Advanced AI-Based Political and Electoral Process Communication Platform: Providing a Tool of Understanding and Political Interaction to Citizens?, University of Bologna, Discussant: Federico Galli

16:15-16:30   María Victoria Carro, The causal inference ability of the LLMs in the Legal Process, University of Genoa, Discussant: Pier Francesco Bresciani

16:30-16:45   Stefanie Boss, The power of innovation in (non-)traditional environments: A PhD Proposal for conducting empirical, data-science driven research on power dynamics (i.e., norm formation, legal complexities and legal compliance) in decentralized systems, UvA (Institute for Information Law/Institute for Informatics), Discussant: Michele Corazza

16:45-17:00   Delia Maria Coluccino, Philosophical premises and conditions for the promotion of citizens engagement in the Bologna Digital Twin project, University of Bologna, Discussant: Michał Araszkiewicz