

JURIX 2023

WORKSHOP PROGRAM AI, LAW, AND PHILOSOPHY

18
DEC
2023

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, Araszkievicz, 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

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WORKSHOP PROGRAM AI-ACCESS TO JUSTICE

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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

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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 Drápal - 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?

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WORKSHOP PROGRAM

ARTIFICIAL INTELLIGENCE FOR LEGISLATION

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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 Bompreszi, 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)

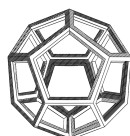
12:30–13:30

Lunch break

13:30–14:00

Keynote speech

Marc Küster, Publication Office of the European Union



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WORKSHOP 3

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WORKSHOP PROGRAM LEGAL ANNOTATION

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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 Maaïke 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

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WORKSHOP PROGRAM

DOCTORAL CONSORTIUM

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- 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 Bompreszi
- 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