The EXplainable & Responsible AI in Law (XAILA) Workshop

The main XAILA webpage is http://xaila.geist.re

XAILA is an interdisciplinary workshop on the intersection of AI and Law, focusing on the important issues of EXplainable and Responsible AI.

See more information on the past editions of XAILA.

XAILA at JURIX 2021

The 5th International Workshop on eXplainable and Responsible AI and Law (XAILA2021@JURIX) at the 34th International Conference on Legal Knowledge and Information Systems Mykolas Romeris University, Vilnius, Lithuania December 8, 2021 https://jurix2021.mruni.eu

Organizing Committee: Michał Araszkiewicz, Jagiellonian University in Kraków, Poland, Martin Atzmueller, University in Osnabrück, Germany, Grzegorz J. Nalepa, Jagiellonian University in Kraków, Bart Verheij, University in Groningen

Description

In the last several years we have observed a growing interest in advanced AI systems achieving impressive task performance. However, there has also been an increased awareness of their complexity and challenging consequences of their possibly limited understandability to humans. In response, a number of research directions have been initiated. These include humanized or human-centered AI, as well as ethically aligned, ethically designed, or just ethical AI. For many of these ideas, the principal concept seems to be the explanatory capability of the AI system (XAI), e.g. via interpretable and explainable machine learning, inclusion of human background knowledge and adequate declarative knowledge, that could provide foundations not only for transparency and understandability, but also for a possible value alignment and human centricity, as the explanation is to be provided to humans. Recently, the term responsible AI (RAI) has been coined as a step beyond XAI. Discussion of RAI has again been strongly influenced by the "ethical" perspective. However, as practitioners in our fields we are convinced that the advancements of AI are way too fast, and the ethical perspective much too vague to offer conclusive and constructive results. We are convinced that the concepts of responsibility, and accountability should be considered primarily from the legal perspective, also because the operation of AI-based systems poses actual challenges to rights and freedoms of individuals. In the field of law, these concepts should obtain some well-defined interpretation, and reasoning procedures based on them should be clarified. The introduction of AI systems into the public, as well as the legal domain brings many challenges that have to be addressed. The catalogue of these problems include, but is not limited to: (1) the type of liability adequate for the operation of AI (be it civil, administrative of criminal liability); (2) the (re)interpretation of classical legal concepts concerning the ascription of liability, such as causal link, fault or foreseeability and (3) the distribution of liability among the involved actors (AI developers, vendors, operators, customers etc.). As the notions relevant for the discussion of legal liability

evolved on the basis of observation and evaluation of human behavior, they are not easily transferable to the new and disputable domain of liability related to the operation of artificial intelligent systems. The goal of the workshop is to cover and integrate these problems and questions, bridging XAI and RAI by integrating methodological AI, as well as the respective ethical and legal perspectives, also specifically with support of established concepts and methods regarding responsibility, and accountability.

Topics of interest

Our objective is to bring people from AI interested in XAI and RAI topics and create an ample space for discussion with people from the field of legal scholarship and/or legal practice, and most importantly the vibrant AI & Law community. As many members of the AI and Law community join both perspectives, the JURIX conference is the perfect venue for the workshop. Together we would like to address some questions like:

- the notions of transparency, interpretability and explainability in XAI
- non-functional design choices for explainable and transparent AI systems
- legal consequences of black-box AI systems
- legal criteria and requirements for explainable, transparent, and responsible AI systems
- criteria of legal responsibility discussed in the context of intelligent systems operation and the role of explainability in liability ascription
- possible applications of XAI systems in the area of legal policy deliberation, legal practice, teaching and research
- legal implications of the use of AI systems in different spheres of societal life
- the notion of right to explanation
- relation of XAI and RAI to argumentation technologies
- approaches and architectures for XAI and RAI in AI systems
- XAI, RAI and declarative domain knowledge
- risk-based approach to analysis of AI systems and the influence of XAI on risk assessment
- incorporation of ethical values into AI systems, its legal interpretation and consequences
- XAI, privacy and data protection (conceptual and theoretical issues)
- XAI, certification and compliance

Important dates

Submission: 19.11.2021
Notification: 28.11.2021
Camera-ready: 05.12.2021
Workshop: 08.12.2021

Submission and proceedings

We accept regular/long papers up to 12pp. We also welcome short and position papers of 6pp. Please use the Springer LNCS format. A dedicated Easychair installation is provided at https://easychair.org/conferences/?conf=xailajurix2021

Program Committee (tbe & tbc)

Martin Atzmüller, Osnabrück University, Germany
Michał Araszkiewicz, Jagiellonian University, Poland
Kevin Ashley, University of Pittsburgh, USA
Floris Bex, Utrecht University, the Netherlands
Szymon Bobek, Jagiellonian University, Poland
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Pompeu Casanovas, Universitat Autonoma de Barcelona, Spain
Enrico Francesconi, IGSG-CNR, Italy
Paulo Novais, University of Minho Braga, Portugal
Grzegorz J. Nalepa, Jagiellonian University, Poland
Tiago Oliveira, National Institute of Informatics, Japan
Martijn von Otterlo, Tilburg University, The Netherlands
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Adrian Paschke, Freie Universität Berlin, Germany
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Víctor Rodríguez-Doncel, Universidad Politécnica de Madrid, Spain
Ken Satoh, National Institute of Informatics, Japan
Jaromír Šavelka, Carnegie Mellon University, USA
Erich Schweighofer, University of Vienna, Austria
Piotr Skrzypczyński, Poznań University of Technology, Poland
Michal Valco, Constantine the Philosopher University in Nitra, Slovakia
Bart Verheij, University of Groningen, The Netherlands
Tomasz Żurek, Maria Curie-Skłodowska University of Lublin, Poland

Past editions of XAILA

The fourth edition of XAILA, XAILA2021ICAIL was organized by Michał Araszkiewicz, Martin Atzmueller, Grzegorz J. Nalepa, Bart Verheij at the 18th International Conference on Artificial Intelligence and Law (ICAIL 2021) held in Sao Paulo, Brazil (entirely online).

The third edition of XAILA, XAILA2020 was organized by Grzegorz J. Nalepa, Michał Araszkiewicz, Bart Verheij, and Martin Atzmueller at the JURIX 2020. JURIX 2020 is the 33rd International Conference on Legal Knowledge and Information Systems organised by the Foundation for Legal Knowledge Based Systems (JURIX) since 1988.

XAILA 2020 proceedings can be found at http://ceur-ws.org/Vol-2891/

The second edition of XAILA, XAILA2019 was organized by: Grzegorz J. Nalepa, Martin Atzmueller, Michał Araszkiewicz, Paulo Novais
at the JURIX 2019 32nd International Conference on Legal Knowledge and Information Systems on the December 11, 2019, Madrid, Spain in ETSI Minas y Energía School (Universidad Politécnica de Madrid)
See the dedicated page for XAILA2019

XAILA 2019 proceedings can be found at http://ceur-ws.org/Vol-2681

We also proposed XAILA to be held on the International Conference on Artificial Intelligence and Law (ICAIL), June 17-21, 2019, Montréal (Qc.), Canada. While the workshop was met with a large interest, and attracted many registered participants, surprisingly too few papers were actually submitted. See the dedicated page for XAILA2019@ICAIL

The first edition, XAILA2018 was Organized by: Grzegorz J. Nalepa, Martin Atzmueller, Michał Araszkiewicz, Paulo Novais
at the 31st international conference on Legal Knowledge and Information Systems December 12–14, 2018 in Groningen, The Netherlands See the dedicated page for XAILA2018

XAILA 2018 proceedings can be found at http://ceur-ws.org/Vol-2381

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