PREFACE

Preface of Special Issue on International Workshop on AI compliance mechanism (WAICOM 2022)

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This special issue contains selected papers among the papers presented at International Workshop on AI compliance mechanism (WAICOM 2022). WAICOM2022 was held on December 14, 2022 in a hybrid form (in-person part of the workshop was held in Saarland University, Saarbrucken, Germany) in association with 35th International Conference on Legal Knowledge and Information Systems (JURIX 2022).

With the development and spread of AI techniques, ensuring the adherence of AI's behavior to legal and ethical principles has become a major subject. General fear of the unintended effects of AI systems, by its actions and its use of personal data, has led to a strong demand for trustworthy AI. This is a central concern that has become prominent both in public opinion and policy maker's agenda. The EU High-Level Expert Group on AI, convened by the European Commission in 2018, published a report on "Ethics Guidelines for Trustworthy AI" says that AI systems should be:

– lawful, complying with all applicable laws and regulations,
– ethical, ensuring adherence to ethical principles and values.

The purpose of this workshop is to bring researchers together to present approaches to tackling legal/ethical AI compliance problems including the relationship between compliance and standards, legislation and regulation and to discuss selected challenges arising from AI compliance. We also solicit use cases related with AI compliance problems to create a basis to investigate common problems for future collaboration.

Among 15 papers presented at WAICOM 2022, we select 6 papers in this special issue.

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