

# Proceedings of the Fourth Workshop on Automated Semantic Analysis of Information in Legal Texts

ASAIL 2020

## Preface

The Fourth Workshop on Automated Semantic Analysis of Information in Legal Texts (ASAIL 2020) will be held online on December 9, 2020, in conjunction with the 33rd International Conference on Legal Knowledge and Information Systems (JURIX 2020). The purpose of the workshop is to provide a dedicated venue for legal NLP related work for which there has been an increasing number of AI&Law conference submissions. The workshop received 7 submissions, which were all peer-reviewed and accepted for presentation. The final workshop program hence consists of 7 presentations (6 long, 1 short) and one discussion session. The papers presented are contained in this volume.

### 10:15 - Workshop Opening

#### 10:30-12:15 - Paper Session 1

- Classification of German Court Rulings: Detecting the Area of Law, *Ingo Glaser and Florian Matthes*
- Legal Language Modeling with Transformers, *Lazar Peric, Stefan Mijic, Dominik Stammach and Elliott Ash*
- Topic Modelling of the Czech Supreme Court Decisions, *Tereza Novotná, Jakub Harašta and Jakub Kól* (Short Paper)
- Predictive Features of Persuasive Legal Texts, *Karl Branting, Elizabeth Tippet, Charlotte Alexander, Sam Bayer, Paul Morawski, Carlos Balhana, and Craig Pfeifer*

### 12:15-13:15 - Lunch Break

#### 13:15-14:45 - Paper Session 2

- Cross-Domain Generalization and Knowledge Transfer in Transformers Trained on Legal Data, *Jaromir Savelka, Hannes Westermann and Karim Benyekhlef*
- Automating the Classification of Finding Sentences for Linguistic Polarity, *Vern R. Walker, Stephen R. Strong and Vern E. Walker*
- Learning to Rank Sentences for Explaining Statutory Terms, *Jaromir Savelka and Kevin D. Ashley*

### 14:45-15:00 - Coffee Break

**15:00-17:00 - Discussion Session:**

**“How can legal NLP make real-world contributions in the short and long term?”**

- Panelists:
  - Keren Weinsahl, Hebrew University of Jerusalem
  - Bernhard Waltl, BMW Group
  - Rūta Liepiņa, Maastricht University
  - Karl Branting, MITRE Corporation
- Moderator:
  - Katie Atkinson, University of Liverpool

The organizing committee expresses its sincere gratitude to all authors for their submissions and participation in the workshop, to the program committee for its diligent reviewing, and to the workshop attendees.

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Proceedings volume compiled by:

Matthias Grabmair  
SINC GmbH  
Rheingaustraße 182  
65203 Wiesbaden  
Germany