Conference Program

Groningen, The Netherlands
Het Kasteel
12th – 14th December 2018

jurix2018.ai.rug.nl
Wednesday 12th December

Workshops

09.00 – 18.30 Registration

09.30 – 13.00 Morning Workshop Sessions
(Coffee break at 11.00 – 11.30)

**Workshop I: AICOL – Artificial Intelligence and the Complexity of Legal Systems**
Room 1.12

**Workshop II: TeReCom – Technologies for Regulatory Compliance**
Conference room

**Workshop III: XAILA – EXplainable AI in Law**
Room 1.04

**Workshop IV: Legal Design as Academic Discipline**
W.F. Hermans room
Workshop V: *Many Laws*
Professors room

13.00 – 14.00 Lunch

14.00 – 17.00 Afternoon Workshop Sessions
(Coffee break at 15.00 – 15.30)

**Workshop I:** *AICOL – Artificial Intelligence and the Complexity of Legal Systems and Doctoral Consortium*
Room 1.12

**Workshop II:** *TeReCom – Technologies for Regulatory Compliance*
Conference room

**Workshop III:** *XAILA – EXplainable AI in Law*
Room 1.04

**Workshop IV:** *Legal Design as Academic Discipline*
W.F. Hermans room
Workshop VI: CEILI – Legal Data Analysis
Professors room

18.00 – 19.30 Welcome Reception
Thursday 13th December

Main conference – Day 1

Conference room

08.30 – 18.30 Registration

09.00 Opening speech by Prof. Jan Berend Wezeman, Dean of the Law School of University of Groningen

09.15 Opening remarks by Program Chair and Local Organization Co-Chairs

09.30 – 11.00 Session I: Machine Learning for the Legal Domain

Chair: Kevin Ashley

Giuseppe Contissa, Koen Docter, Francesca Lagioia, Marco Lippi, Hans-Wolfgang Micklitz, Przemyslaw Palka, Giovanni Sartor and Paolo Torroni

Automated Processing of Privacy Policies under the EU General Data Protection Regulation
Ingo Glaser, Elena Scepankova and Florian Matthes
*Classifying Semantic Types of Legal Sentences: Portability of Machine Learning Models*

Takahiro Yamakoshi, Takahiro Komamizu, Yasuhiro Ogawa and Katsuhiko Toyama
*Japanese Legal Term Correction using Random Forests*

Robert Bevan, Alessandro Torrisi, Katie Atkinson, Danushka Bollegala and Frans Coenen
*Efficient and Effective Case Reject-Accept Filtering: A Study Using Machine Learning [short]*

11.00 – 11.30 Break
11.30 – 13.00 Session II: Machine Learning for the Legal Domain

CHAIR: KATIE ATKINSON

Josef Valvoda, Oliver Ray and Ken Satoh
*Using Agreement Statements to Identify Majority Opinion in UKHL Case Law*

Jaromír Šavelka and Kevin D. Ashley
*Segmenting U.S. Court Decisions into Functional and Issue Specific Parts*

Remi Wieten, Floris Bex, Henry Prakken and Silja Renooij
*Exploiting Causality in Constructing Bayesian Network Graphs from Legal Arguments*

13.00 – 14.00 Lunch

Lunch time: posters and demos in Room 1.09
14.00 – 15.00 Invited talk

Marie-Francine Moens
KU Leuven

Deep Learning for Text Analytics and Generation in Law

15.00 – 15.30 Break

15.30 – 17.00 Session III: Legal Knowledge Extraction
Chair: Enrico Francesconi

Roos Slingerland, Alexander Boer and Radboud Winkels
Analysing the Impact of Legal Change through Case Classification

Iosif Angelidis, Ilias Chalkidis and Manolis Koubarakis
Named Entity Recognition, Linking and Generation for Greek Legislation
Alessandra Cid, Alexandre Rademaker, Bruno Cuconato and Valeria de Paiva

*Linguistic Legal Concept Extraction [short]*

Jay Morgan, Adeline Paiement, Monika Seisenberger, Jane Williams and Adam Wyner

*A Chatbot Framework for the Children’s Legal Centre [short]*

DC winner, runner-up 5 minutes

17:00 – 18:00 **Session IV: Legal Knowledge Retrieval**

*Chair: Erich Schweighofer*

Diego Collarana, Timm Heuss, Jens Lehmann, Ioanna Lytra, Gaurav Maheshwari, Rostislav Nedelchev and Priyansh Trivedi

*A Question Answering System on Regulatory Documents*
Julien Rossi and Evangelos Kanoulas
*Query Generation for Patent Retrieval with Keyword Extraction based on Syntactic Features [short]*

Maximiliano Budán, Maria Laura Cobo, Diego C. Martínez and Antonino Rotolo
*Dealing with Qualitative and Quantitative Features in Legal Argumentation [short]*

18.00 Closing of the day

19.30 welcome, 20.00 start Conference dinner Hotel Schimmelpenninck Huys, Oosterstraat 53, 9711 NR Groningen (see map at the end) (registration required)
Friday 14th December

Main conference – Day 2

Conference room

9.00 – 11.00 Session V: Legal Reasoning and Argumentation: Theoretical and Practice Experiences

Chair: Floris Bex

Sotiris Batsakis, George Baryannis, Guido Governatori, Ilias Tachmazidis and Grigoris Antoniou

Legal Representation and Reasoning in Practice: A Critical Comparison

Katie Atkinson and Trevor Bench-Capon

Lessons From Implementing Factors with Magnitude

Heng Zheng, Minghui Xiong and Bart Verheij

Checking the Validity of Rule-based Arguments Grounded in Cases: a Computational Approach [short]

Monica Palmirani and Guido Governatori
Modelling Legal Knowledge for GDPR Compliance Checking

Federico Cerutti, Timothy Norman and Alice Toniolo
_A Tool to Highlight Weaknesses and Strengthen Cases: CISpaces.org [short]

Arthur Crivella, Wesley Oliver and Morgan Gray
_Coding Suspicion [short]

11.00 – 11.30 Break

11.30 – 13.00 **Session VI: Legal Knowledge Modelling and Visualization**
CHAIR: _POMPEU CASANOVAS_

Armando Stellato, Andrea Turbati, Manuel Fiorelli, Tiziano Lorenzetti, Peter Schmitz, Enrico Francesconi, Najeh Hajlaoui and Brahim Batouche
_Towards the Assessment of Gold-Standard Alignments between Legal Thesauri_
Monica Palmirani, Cesare Bartolini, Michele Martoni, Livio Robaldo and Arianna Rossi
*Legal Ontology for Modelling GDPR Concepts and Norms*

Jörg Landthaler, Ingo Glaser and Florian Matthes
*Towards Explainable Semantic Text Matching [short]*

Nicola Lettieri, Delfina Malandrino and Alfonso Guarino
*E-science and the Law. Three Experimental Platforms for Legal Analytics*

13.00 – 14.00 Lunch

14.00 – 15:00 **Invited talk**

**Jeroen van den Hoven**  
*Delft University of Technology*

**AI and Law: the need for Ethics by Design**
15.00 – 15.30 Break

15:30 – 16.50 **Session VII: Legal Blockchain**

*Chair: Guido Governatori*

Ugo Pagallo, Bassi Eleonora, Massimo Durante and Marco Crepaldi

*Chronicle of a Clash Foretold: Blockchains and the GDPR's Right to Erasure*

Shaun Azzopardi, Gordon Pace and Fernando Schapachnik

*On Observing Contracts: Deontic Contracts Meet Smart Contracts*

Oleksii Konashevych and Marta Poblet

*Is Blockchain Hashing an Effective Method for Electronic Governance? [short]*

17.00 Closing of the conference
Posters
and
demos
in Room 1.09

Thanks to our sponsors
Conference dinner: Hotel Schimmelpenninck Huys, Oosterstraat 53, 9711 NR Groningen (registration required)