



# Fourteenth International Conference on Artificial Intelligence and Law

Rome, June 10 -14, 2013

Casa dell'Aviatore - Viale dell'Università, 20

## PROGRAM AND SCHEDULE

### Monday, June 10

**8:30-9:00** *Registration*

**9:00-11:00** **Workshops and Tutorials**

**T1 - Practical Web Ontology and Data Design for Legal Knowledge** (full-day tutorial)

*Chairs:* Aldo Gangemi, Valentina Presutti

**T2 - An Introduction to Artificial Intelligence and Law** (morning tutorial)

*Chairs:* Kevin Ashley, Matthias Grabmair

**T3 - LegalRuleML** (morning tutorial)

*Chair:* Monica Palmirani

**W1 - Coherence 2013 - Artificial Intelligence, Coherence and Legal Reasoning** (full-day workshop)

*Chair:* Michal Araszkiwicz

**W2 - Argumentation in AI and Law: What Do We Know and Where Should We Go?** (full-day workshop)

*Chair:* Trevor Bench-Capon

**11:00-11:30** *Coffee break*

**11:30-13:00** **Full Day Workshops continued; Morning Tutorials concluded**

**13:00-14:30** *Lunch*

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**14:30-15:30** **Full day Workshops continued; Afternoon Workshops; Afternoon Tutorials**

**T1 - Practical Web Ontology and Data Design for Legal Knowledge** (continued)

*Chairs:* Aldo Gangemi, Valentina Presutti

**T4 - Textual Information Extraction from Legal Resources** (afternoon tutorial)

*Chair:* Adam Wyner

**W1 - Coherence 2013 - Artificial Intelligence, Coherence and Legal Reasoning** (continued)

*Chair:* Michal Araszkiwicz

**W2 - Argumentation in AI and Law: What Do We Know and Where Should We Go?** (continued)

*Chair:* Trevor Bench-Capon

**W3 - Legal Open Data: From Institutions to Crowd-sourcing** (afternoon workshop)

*Chair:* Monica Palmirani

**15:30-16:00** *Coffee break*

**16:00-17:30** **Workshops and Tutorials concluded**

**17:45-19:30** **Welcome Reception**

Presentation of special issue *Artificial Intelligence and Law* on 25 years of ICAIL

## Tuesday, June 11

- 8:30-9:15** *Registration*
- 9:15-9:30** **Opening remarks by Senator Rosa Maria Di Giorgi**
- 9:30-11:00** **Paper session**
- 9:30-10:00** Davide Gianfelice, Leonardo Lesmo, Monica Palmirani, Daniele Perlo, Daniele P. Radicioni, *Modificatory Provisions Detection: A Hybrid NLP Approach*
- 10:00-10:30** Guido Governatori, Francesco Olivieri, Antonino Rotolo, Simone Scannapieco, *Legal Contractions: A Logical Analysis*
- 10:30-11:00** Oanh Thi Tran, Minh Le Nguyen, Akira Shimazu, *Reference Resolution in Legal Texts*
- 11:00-11:30** *Coffee break*
- 11:30-13:00** **Paper session**
- 11:30-12:00** Zaher Salah, Frans Coenen, Davide Grossi, *Extracting Debate Graphs from Parliamentary Transcripts: A Study Directed at UK House of Commons Debates*
- 12:00-12:30** Marc van Opijnen, *A Model for Automated Rating of Case Law*
- 12:30-13:00** Guido Boella, Marijn Janssen, Joris Hulstijn, Llio Humphreys, Leendert van der Torre, *Managing Legal Interpretation in Regulatory Compliance*
- 13:00-14:30** *Lunch*
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- 14:30-15:30** **Invited Address**  
Rosaria Conte, *Minding Norms*
- 15:30-16:00** *Coffee break*
- 16:00-17:15** **Demonstration session**
- Guido Boella, Luigi Di Caro, Daniele Rispoli, Livio Robaldo, *A System for Classifying Multi-label Text into EuroVoc*
- Luc Ferrand, Isabelle Pesquié-Geday, *Hammurabi, the legal Expert Assistant Platform for the French Judge*
- Thomas F. Gordon, *Introducing the Carneades Web Application*
- Guido Governatori, Sidney Shek, *Regorous: A Business Process Compliance Checker*
- Jop Hofste, Hans Henseler, Maurice van Keulen, *Computer Assisted Extraction, Merging and Correlation of Identities with Tracks Inspector*
- Anna Ronkainen, *TrademarkNow NameRank and NameCheck*
- Maya Wardeh, Adam Wyner, Katie Atkinson, Trevor Bench-Capon, *Argumentation Based Tools for Policy-Making*
- 17:15-18:15** **Paper session**
- 17:15-17:45** Matthias Grabmair, Kevin D. Ashley, *Using Event Progression to Enhance Purposive Argumentation in the Value Judgment Formalism*
- 17:45-18:00** Radboud Winkels, Jochem Douw, Sara Veldhoen, *Experiments in Automated Support for Argument Reconstruction*
- 18:00-18:15** Shumpei Kubosawa, Kei Nishina, Masaki Sugimoto, Shogo Okada, Katsumi Nitta, *A Discussion Training Support System and Its Evaluation*
- 18:15** **Close of the day**

## Wednesday, June 12

- 9:15-10:45** **Paper session**
- 9:15-9:45** Tara Athan, Harold Boley, Guido Governatori, Monica Palmirani, Adrian Paschke, Adam Wyner, *OASIS LegalRuleML*
- 9:45-10:00** Tingting Li, Tina Balke, Marina De Vos, Julian Padget, Ken Satoh, *A Model-based Approach to the Automatic Revision of Secondary Legislation*

- 10:00-10:15 Régis Riveret, Dídac Busquets, Jeremy Pitt, Giuseppe Contissa, Antonino Rotolo, Giovanni Sartor, *Vicarious Reinforcement and Ex Ante Law Enforcement: A Study in Norm-Governed Learning Agents*
- 10:15-10:30 Anna Ronkainen, *Intelligent Trademark Analysis: Experiments in Large-Scale Evaluation of Real-World Legal AI*
- 10:30-10:45 Jack G. Conrad, John Zeleznikow, *The Significance of Evaluation in AI and Law: A Case Study Re-examining ICAIL Proceedings*
- 10:45-11:15 *Coffee break*
- 11:15-13:00 **Paper session**
- 11:15-11:45 Marc Lauritsen, *On Balance*
- 11:45-12:15 Tomasz Zurek, Michal Araszkievicz, *Modeling Teleological Interpretation*
- 12:15-12:30 Doris Liebwald, *Vagueness in Law. A Stimulus for 'Artificial Intelligence & Law'*
- 12:30-12:45 Michal Araszkievicz, Agata Lopatkiewicz, Adam Zienkiewicz, *Factor-Based Parent Plan Support System*
- 12:45-13:00 Gordon J. Pace, Fernando Schapachnik, *Synthesising Implicit Contracts*
- 13:00-14:30 *Lunch*
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- 14:30-15:30 **Invited Address**  
Radboud Winkels, *25 Years of AI & Law*
- 15:30-16:00 *Coffee break*
- 16:00-17:00 **Paper session**
- 16:00-16:30 Charlotte Vlek, Henry Prakken, Silja Renooij, Bart Verheij, *Modeling Crime Scenarios in a Bayesian Network*
- 16:30-16:45 Kevin D. Ashley, Vern R. Walker, *Toward Constructing Evidence-Based Legal Arguments Using Legal Decision Documents and Machine Learning*
- 16:45-17:00 Michal Chalamish, Moshe Hazoom, Uri Schild, *Semi-Automatic Creation of Wigmore Diagrams*
- 17:15-18:15 **IAAIL membership meeting**  
Tribute to Peter Jackson
- 20:00 **Conference dinner**  
**Dinner speech**  
Peter van Koppen, *Spoiled Judges and the Fluidity of Evidence in Criminal Cases*

<b>Thursday, June 13</b>
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- 10:00-11:00 **Paper session**
- 10:00-10:30 Laura Giordano, Alberto Martelli, Daniele Theseider Dupré, *Temporal Deontic Action Logic for the Verification of Compliance to Norms in ASP*
- 10:30-11:00 Antonino Rotolo, Serena Villata, Fabien Gandon, *A Deontic Logic Semantics for Licenses Composition in the Web of Data*
- 11:00-11:30 *Coffee break*
- 11:30-13:00 **Paper session**
- 11:30-12:00 Isabella Distinto, Nicola Guarino, Claudio Masolo, *A Well-founded Ontological Framework for Modeling Personal Income Tax*
- 12:00-12:30 Antonio Mastropaolo, Francesco Pallante, Daniele P. Radicioni, *Legal Documents Categorization by Compression*
- 12:30-12:45 Michael Curtotti, Eric McCreath, Srinivas Sridharan, *Software Tools for the Visualization on Definition Networks in Legal Contracts*
- 12:45-13:00 Nada Mimouni, Meritxell Fernández, Adeline Nazarenko, Danièle Bourcier, Sylvie Salotti, *A Relational Approach for Information Retrieval on XML Legal Sources*
- 13:00-14:30 *Lunch*
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- 14:30-15:30 **Invited Address**  
Paul Thagard, *Intention, Action, and Legal Responsibility*

- 15:30-16:00 *Coffee break*  
16:00-17:00 **Paper session**  
16:00-16:30 Trevor Bench-Capon, Henry Prakken, Adam Wyner, Katie Atkinson, *Argument Schemes for Reasoning with Legal Cases Using Values*  
16:30-17:00 Mihai Surdeanu, Sara Jeruss, *Identifying Patent Monetization Entities*  
17:00 **Closing Remarks**

<b>Friday, June 14</b>
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- 8:30-9:00 *Registration*  
9:00-11:00 **Workshops**  
**W4 - 13th International Workshop on Computational Models of Natural Argument (CMNA XIII)** (full-day workshop)  
*Chairs:* Floriana Grasso, Chris Reed, Nancy Green  
**W6 - Workshop on Formal Argument and Evidential Inference** (full-day workshop)  
*Chairs:* Giovanni Sartor, Scott Brewer, Gustavo Ribeiro  
**W7 - Discovery of Electronically Stored Information Workshop (DESI V)** (full-day workshop)  
*Chair:* Jason Baron  
**W8 - Cross-border e-justice and e-Codex** (morning workshop)  
*Chair:* Marco Fabri  
**W9 - Network Analysis in Law** (morning workshop)  
*Chair:* Radboud Winkels  
11:00-11:30 *Coffee break*  
11:30-13:00 **Full Day Workshops continued; Morning Workshops concluded**  
13:00-14:30 *Lunch*

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14:30-15:30 **Full Day Workshops continued; Afternoon Workshops**  
**W4 - 13th International Workshop on Computational Models of Natural Argument (CMNA XIII)** (continued)  
*Chairs:* Floriana Grasso, Chris Reed, Nancy Green  
**W6 - Workshop on Formal Argument and Evidential Inference** (continued)  
*Chairs:* Giovanni Sartor, Scott Brewer, Gustavo Ribeiro  
**W5 - SmartData: The New Face of AI, and the Law** (afternoon workshop)  
*Chairs:* Ann Cavoukian, Stefano Nolfi  
**W7 - Discovery of Electronically Stored Information Workshop (DESI V)** (continued)  
*Chair:* Jason Baron  
15:30-16:00 *Coffee break*  
16:00-17:30 **Workshops concluded**