

ICAIL 2007 Conference Program

Monday June 4

8.30 Registration opens

9.30-11:00 Workshops

LOAIT: Legal Ontologies and Artificial Intelligence Techniques

Organizers: Pompeu Casanovas, Maria Angela Biasiotti, Enrico Francesconi, Maria Teresa Sagri

DESI: Supporting Search and Sensemaking for Electronically Stored Information in Discovery Proceedings

Organizers: Jason R. Baron, Douglas W. Oard, David D. Lewis, Paul Thompson

FMEC: Formal Modelling for Electronic Commerce

Organizers: Andrew J.I. Jones, Steven O. Kimbrough, Marek Sergot, Hans Weigand, D.J. Wu

11.00-11.30 Coffee break

11.30-13.00 Workshops continued

13.00-14.30 Lunch

14.30-16.00 Workshops continued

14:30-16.00 Tutorials

Enhanced Dispute Resolution Through the Use of Information Technology

John Zeleznikow, Victoria University, Melbourne

Advanced Legal Technology in Practice: An Overview

Marc Lauritsen, Capstone Practice Systems

16.00-16.30 Tea break

16.30-18.00 Workshops and tutorials concluded

18.00-20.00 Welcome Reception

Tuesday June 5

8:30 Registration opens	*	Page
09.00-09.15 Opening Remarks		
Program Chair, Organisation Chair, ...		
9.15-10.35 Paper Session 1: Evidential Reasoning		
9.15-9.45 Floris Bex, Henry Prakken, Bart Verheij	F	1
<i>Formalising Argumentative Story-based Analysis of Evidence</i>		
9.45-10.05 Susan van den Braak, Gerard Vreeswijk, Henry Prakken	S	11
<i>AVERs: An argument visualization tool for representing stories about evidence</i>		
10.05-10.35 Jeroen Keppens	F	17
<i>Towards Qualitative Approaches to Bayesian Evidential Reasoning</i>		
10.35-11.00 Coffee Break		
11.00-11.50 Paper Session 2: Law and the Semantic Web		
11.00-11.30 Radboud Winkels, Alexander Boer, Erik Hupkes	F	27
<i>Legal Atlas: Access to Legal Sources through Maps</i>		
11.30-11.50 Martine Boonk, Frances Brazier, David de Groot, Maarten van Stekelenburg, Anja Oskamp, Martijn Warnier	S	37
<i>Conditions for Access and Use of Legal Document Retrieval Web Services</i>		
11.50-12.50 Invited Address		
Deborah L. McGuinness		
Acting Director, Knowledge Systems, Artificial Intelligence Lab, Stanford University, and Principal Research Scientist, CodeX: Stanford Center for Computers and Law		
<i>Semantically Enabling Computational Legal Information Systems</i>		
12.50-14.20 Lunch		
14.20-16.00 Paper Session 3: Legal Ontologies		
14.20-14.50 Gianmaria Ajani, Leonardo Lesmo, Guido Boella, Alessandro Mazzei, PierCarlo Rossi	F	43
<i>Terminological and Ontological Analysis of European Directives: multilingualism in Law</i>		
14.50-15.20 Núria Casellas, Pompeu Casanovas, Joan-Josep Vallbé, Marta Poblet, Mercedes Blázquez, Jesús Contreras, José-Manuel López-Cobo, Richard Benjamins	F	49
<i>Semantic Enhancement for Legal Information Retrieval: Juriservice performance</i>		
15.20-15.40 Chin Pang Cheng, Gloria T Lau, Kincho H Law	S	59
<i>Mapping Regulations to Industry-Specific Taxonomies</i>		
15.40-16.00 Nadia Nadah, Mélanie Dulong de Rosnay, Bruno Bachimont	S	65
<i>Licensing Digital Content With A Generic Ontology: Escaping From The Jungle of Rights Expression Languages</i>		
16.00-16.30 Tea Break		
16.30-17.30 Paper Session 4: Game Theory		
16.30-17.00 Elisa Burato and Matteo Cristani	F	71
<i>Contract Clauses Negotiation by Game Theory</i>		
17.00-17.30 Bram Roth, Régis Riveret, Antonino Rotolo, Guido Governatori	F	81
<i>Strategic Argumentation: A Game Theoretical Investigation</i>		
17.30-18.00 Research Abstracts 1		
Hajime Yoshino	A	91
<i>Logical Structure of Change of Legal Relations and its Representation in Legal KBS</i>		
Isa Mara da Rosa Alves, Rove Luiza de Oliveira Chishman, Paulo Miguel Torres Duarte Quaresma	A	93
<i>The Construction of a Juridical Ontology</i>		
Elisabeth Uijttendroek, Michel Klein, Arno Lodder, Frank Van Harmelen	A	95
<i>Case Law Retrieval by Concept Search and Visualization</i>		
18.00 Close of the Day		

* I = invited address; F = full paper; S = short paper; A = Research Abstract

Wednesday June 6

09.00 Registration opens	*	Page
09.30-10.50 Paper Session 5: Modelling Legal Argument		
09.30-10.00 Henry Prakken, Giovanni Sartor <i>Formalising arguments about the burden of persuasion</i>	F	97
10.00-10.30 Katie Atkinson, Trevor Bench-Capon <i>Argumentation and Standards of Proof</i>	F	107
10.30-10.50 Thomas F. Gordon <i>Constructing Arguments with a Computational Model of an Argumentation Scheme for Legal Rules</i>	S	117
10.50-11.10 Coffee Break		
11.10-12.40 Paper Session 6: Legal Information Retrieval		
11.10-11.40 Paul Zhang, Lavanya Koppaka <i>Semantics-Based Legal Citation Network</i>	F	123
11.40-12.10 Enrico Francesconi, Ginevra Peruginelli <i>Searching and retrieving legal literature through automated semantic indexing</i>	F	131
12.10-12.40 Jason Baron, Paul Thompson <i>The Search Problem Posed By Large Heterogeneous Data Sets in Litigation: Possible Future Approaches to Research</i>	F	141
12.40-14.00 Lunch		
14.00-14.40 Paper Session 7: Modelling Aspects of Law		
14.00-14.20 Luca Compagna, Paul El Khoury, Fabio Massacci, Reshma Thomas, Nicola Zannone <i>How to capture, model and verify the knowledge of legal, security and privacy experts: a pattern-based approach</i>	S	149
14.20-14.40 Guido Governatori, Antonino Rotolo, Régis Riveret, Monica Palmirani, Giovanni Sartor <i>Variants of Temporal Defeasible Logics for Modelling Norm Modifications</i>	S	155
14.40-15.40 Invited Address		
George Fisher Judge John Crown Professor of Law, Stanford Law School <i>Argument as Storytelling</i>	I	
15.40-16.00 Tea Break		
16.10-16.20 Paper Session 8: Modelling Aspects of Law continued		
16.10-16.20 Layman E. Allen, Adam W. Tury <i>NewMINT Interpretation Assistance System: United States Constitution First Amendment's Initial 1344 Interpretations</i>	S	161
16.20-18.00 Paper Session 9: Agents		
16.20-16.50 Pieter Dijkstra, Henry Prakken, Kees de Vey Mestdagh <i>An Implementation of Norm-based Agent Negotiation</i>	F	167
16.50-17.10 Martijn Warnier, Frances Brazier, Martin Apistola, Anja Oskamp <i>Towards Automatic Identification of Completeness and Consistency in Digital Dossiers</i>	S	177
17.10-17.30 Lucas R. Drumond, Rosario Girardi, Adriana Leite <i>Architectural Design of a Multi-Agent Recommender System for the Legal Domain</i>	S	183
17.30-18.00 Research Abstracts 2		
Innar Liiv, Anton Vedeshin, Ermo Täks <i>Visualization and Structure Analysis of Legislative Acts</i>	A	189
Mohammad Al Hasan, W. Scott Spangler <i>Assessing Patent Value through Advanced Text Analysis</i>	A	191
Harry Surden, Michael Genesereth, Bret Logue <i>Representational Complexity in Law</i>	A	193
18.00-18.50 IAAIL meeting		
19.00-22.00 Conference Dinner		

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Thursday June 7

09.00 Registration opens	*	Page
09.30-10.40 Paper Session 10: Various		
09.30-10.00 Laurens Mommers, Wouter Koelewijn, Hugo Kielman <i>Understanding the Law: a method for legal knowledge dissemination</i>	F	195
10.00-10.20 Yueh-Hsuan Weng, Chien-Hsun Chen, Chuen-Tsai Sun <i>The Legal Crisis of Next Generation Robots: On Safety Intelligence</i>	S	205
10.20-10.40 Danièle Bourcier, Pierre Mazzega <i>Toward measures of complexity in legal systems</i>	S	211
10.40-11.00 Coffee Break		
11.00-12.10 Paper Session 11: NLP and Text Mining		
11.00-11.30 L. Thorne McCarty <i>Deep Semantic Interpretations of Legal Texts</i>	F	217
11.30-11.50 Marie-Francine Moens, Erik Boiy, Raquel Mochales Palau, Chris Reed <i>Automatic Detection of Arguments in Legal Texts</i>	S	225
11.50-12.10 Jack G. Conrad, Frank Schilder <i>Opinion Mining in Legal Blogs</i>	S	231
12.10-13.10 Invited Address		
Thomas F. Gordon IAAIL President, Senior Research Scientist, Fraunhofer Institute for Open Communication Systems (FOKUS), Berlin <i>20 Years of ICAIL: Reflections on the Field of AI and Law</i>	I	
13.10-14.30 Lunch		
14.30-15.20 Paper Session 12: ODR		
14.30-15.00 John Zeleznikow, Emilia Bellucci, Uri Schild, Geraldine Mackenzie <i>Bargaining in the shadow of the Law – using utility functions to support legal negotiation</i>	F	237
15.00-15.20 Pamela Gray, Xen Gray, John Zeleznikow <i>Negotiating Logic: For richer or poorer</i>	S	247
15.20-16.20 Paper Session 13: Information Retrieval 2		
15.20-15.50 Christopher Dozier, Ravi Kondadadi, Khalid Al-Kofahi, Mark Chaudhary, Xi Guo <i>Fast Tagging of Medical Terms in Legal Text</i>	F	253
15.50-16.20 Jack G. Conrad, Edward L. Raymond, Jr. <i>Essential Deduplication Functions for Transactional Databases in Law Firms</i>	F	261
16.20-16.40 Tea Break		
16.40-17.20 Paper Session 14: Tools for Argumentation		
16.40-17.00 Kevin Ashley, Niels Pinkwart, Collin Lynch, Vincent Aleven <i>Learning by Diagramming Supreme Court Oral Arguments</i>	S	271
17.00-17.20 Jobien Sombekke, Tom van Engers, Henry Prakken <i>Argumentation Structures in Legal Dossiers</i>	S	277
17.20-18.00 Research Abstracts 3		
Jenny Eriksson Lundström, Andreas Hamfelt, Jørgen Fischer Nilsson <i>A Rule-Sceptic Characterization of Acceptable Legal Arguments</i>	A	283
Enrique Cáceres <i>A Constructivist Model for the Judicial Determination of Facts</i>	A	285
Ugo Pagallo, Giancarlo Ruffo <i>P2P Systems in Legal Networks: Another "Small World" Case</i>	A	287
Francisco Andrade, Paulo Novais, José Neves <i>Divergences between Will and Declaration in Intelligent Agents Contracting</i>	A	289
18.00-18.15 Closing Remarks		
18.15 Close of the Day		

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Friday June 8

9.00 Registration opens

9.30-11:00 Workshops

ODR: Online Dispute Resolution

Organizers: Arno R. Lodder, Colin Rule, John Zeleznikow

SW4Law: Semantic Web Technology for Law

Organizers: Núria Casellas, Michel Klein, Paulo Quaresma

11.00-11.30 Coffee break

11.30-13.00 Workshops continued

13.00-14.30 Lunch

14.30-16.00 Workshops continued

Note: the afternoon session of the ODR workshop may be held at eBay

16.00-16.30 Tea break

16.30-18.00 Workshops concluded
