

## Papers Accepted for ICAIL 2007

(alphabetical by first author)

### Full papers

- 1 Terminological and Ontological Analysis of European Directives: multilinguism in Law  
Gianmaria Ajani, Leonardo Lesmo, Guido Boella, Alessandro Mazzei, PierCarlo Rossi
- 2 Argumentation and Standards of Proof  
Katie Atkinson and Trevor Bench-Capon
- 3 The Search Problem Posed By Large Heterogeneous Data Sets in Litigation: Possible Future Approaches to Research  
Jason Baron, Paul Thompson
- 4 Formalising Argumentative Story-based Analysis of Evidence  
F.J. Bex, H. Prakken, B. Verheij
- 5 Contract Clauses Negotiation by Game Theory  
Elisa Burato and Matteo Cristani
- 6 Semantic Enhancement for Legal Information Retrieval: Iuriservice performance  
Núria Casellas, Pompeu Casanovas, Joan-Josep Vallbé, Marta Poblet, Mercedes Blázquez, Jesús Contreras, José-Manuel López-Cobo, V. Richard Benjamins
- 7 Essential Deduplication Functions for Transactional Databases in Law Firms  
Jack G. Conrad, Edward L. Raymond, Jr.
- 8 An Implementation of Norm-based Agent Negotiation  
Dijkstra, Prakken, de Vey Mestdagh
- 9 Fast Tagging of Medical Terms in Legal Text  
Christopher Dozier, Ravi Kondadadi, Khalid Al-Kofahi, Mark Chaudhary, Xi Guo
- 10 Searching and retrieving legal literature through automated semantic indexing  
E. Francesconi, G. Peruginelli
- 11 Towards Qualitative Approaches to Bayesian Evidential Reasoning  
Jeroen Keppens
- 12 Deep Semantic Interpretations of Legal Texts  
L. Thorne McCarty
- 13 Understanding the Law: a method for legal knowledge dissemination  
Laurens Mommers, Wouter Koelewijn and Hugo Kielman
- 14 Formalising arguments about the burden of persuasion  
Henry Prakken & Giovanni Sartor
- 15 Strategic Argumentation: A Game Theoretical Investigation  
Bram Roth, Regis Riveret, Antonino Rotolo, Guido Governatori
- 16 Legal Atlas: Access to Legal Sources through Maps  
Radboud Winkels, Alexander Boer, Erik Hupkes
- 17 Bargaining in the shadow of the Law – using utility functions to support legal negotiation  
John Zeleznikow, Emilia Bellucci, Uri Schild and Geraldine Mackenzie
- 18 Semantics-Based Legal Citation Network  
Paul Zhang, Lavanya Koppaka

### **Short papers**

- 1 NewMINT System of the First Amendment  
Layman E. Allen
- 2 Learning by Graphically Representing US Supreme Court Oral Arguments  
Kevin Ashley, Niels Pinkwart, Collin Lynch, Vincent Alevan
- 3 Conditions for Access and Use of Legal Document Retrieval Web Services  
Martine Boonk, Frances Brazier, David de Groot, Maarten van Stekelenburg, Anja Oskamp, Martijn Warnier
- 4 Toward measures of complexity in legal systems  
Bourcier D. and P. Mazzega
- 5 Mapping Regulations to Industry-Specific Taxonomies  
Chin Pang Cheng, Gloria T Lau, Kincho H Law
- 6 How to capture, communicate, model and verify the knowledge of legal, security and privacy experts: a pattern-based approach  
Luca Compagna, Paul El Khoury, Fabio Massacci, Reshma Thomas, Nicola Zannone
- 7 Opinion Mining in Legal Blogs  
Jack G. Conrad, Frank Schilder
- 8 Architectural Design of a Multi-Agent Recommender System for the Legal Domain  
Lucas R. Drumond, Rosario Girardi and Adriana Leite
- 9 Constructing Arguments with a Computational Model of an Argumentation Scheme for Legal Rules  
Thomas F. Gordon
- 10 Back to the Future: Variants of Temporal Defeasible Logic for Modelling Norm Modifications  
Guido Governatori, Monica Palmirani, Regis Riveret, Antonino Rotolo, Giovanni Sartor
- 11 Negotiating Logic: For richer or poorer  
Gray, P. N., Gray, X. and Zeleznikow, J.
- 12 Automatic Detection of Arguments in Legal Texts  
Marie-Francine Moens, Erik Boiy, Raquel Mochales Palau, and Chris Reed
- 13 Licensing Digital Content With A Generic Ontology: Escaping From The Rights Expression Languages Jungle  
Nadia Nadah, Melanie Dulong de Rosnay, Bruno Bachimont
- 14 Argumentation Structures in Legal Dossiers  
J. Sombekke, T. van Engers
- 15 AVERs: An argument visualization tool for representing stories about evidence  
Susan W. van den Braak and Henry Prakken
- 16 Towards Automatic Identification of Completeness and Consistency in Digital Dossiers  
Martijn Warnier, Frances Brazier, Martin Apistola, Anja Oskamp
- 17 The Legal Crisis of Next Generation Robots: On Safety Intelligence  
Yueh-Hsuan Weng, Chien-Hsun Chen, Chuen-Tsai Sun

### **Research abstracts**

- 1 Divergences between Will and Declaration in Intelligent Agents Contracting  
Francisco Andrade, Paulo Novais, José Neves
- 2 A Constructivist Model for the Judicial Determination of Facts  
Enrique Caceres

- 3 The Construction of a Juridical Ontology  
Isa Mara da Rosa Alves, Rove Luiza de Oliveira Chishman, Paulo Miguel Torres Duarte Quaresma
- 4 A Rule-Sceptic Characterization of Acceptable Legal Arguments  
Jenny Eriksson Lundström, Andreas Hamfelt and Jørgen Fischer Nilsson
- 5 Assessing Patent Value through Advanced Text Analysis  
Mohammad Al Hasan, W. Scott Spangler
- 6 Amplifying Artificial Intelligence and Law Techniques  
L. Leff
- 7 Visualization and Structure Analysis of Legislative Acts: A Case Study on the Law of Obligations  
Innar Liiv, Anton Vedeshin, Ermo Täks
- 8 P2P Systems in Legal Networks: Another "Small World" Case  
Ugo Pagallo and Giancarlo Ruffo
- 9 Managing Representational Complexity in Computational Law  
Harry Surden, Michael Genesereth, Bret Logue
- 10 Case Law Retrieval by Concept Search and Visualization  
Uijttenbroek/Klein/Lodder/Van Harmelen
- 11 Logical Structure of Change of Legal Relations and Its Representation in Legal Knowledge Base System  
Hajime Yoshino