THE INTERNATIONAL WORKSHOP

COMPUTABLE MODELS OF THE LAW

Languages, Dialogues, Games, Ontologies

European University Institute, Law Department, Florence (Italy)

December, 1st-2nd 2006

We cannot take for granted a single or unique way to conceptualize the law. The purpose of the meeting is starting a fruitful discussion on the different ways of understanding, explaining and modeling legal knowledge. The discussion will be focused on, but will not be limited to, the theoretical assumptions of the different approaches underlying current EU projects on AI and Law, and will aim at identifying prospects for future research and cooperation.

We shall address, amongst others, the following subjects:

-legal dialogue systems and legal argument
-game theory and legal dialogue games
-legal ontologies
-legal search engines
-legal service systems' architecture
-restorative justice, emotions and On-line Dispute Resolution (ODR)

The following European projects are involved in the meeting:
      ALIS
      ArguGrid
      ASPIC
      ESTRELLA
      LOIS
      ONE-LEX (Marie Curie Chair)
      SEKT

All written contributions are refereed by the folllowing Scientific Committee:
      Richard Benjamins (SEKT)
      Pompeu Casanovas (SEKT)
      Claudia Cevenini (ALIS)
      Tom van Engers (ESTRELLA)
      Enrico Francesconi (LOIS)
      Zhisheng Huang (SEKT)
      Pablo Noriega (SEKT)
      Bram Roth (ALIS)
      Giovanni Sartor (Marie Curie Chair, ONE-LEX)
      Carles Sierra (SEKT)
      York Sure (SEKT)
      Daniela Tiscornia (LOIS)
      Francesca Toni (ArguGrid)
      Radboud Winkels (ESTRELLA)

* Location: Florence, **European University Institute**
      Badia Fiesolana
      Via dei Roccettini
      I-50016 San Domenico di Fiesole
      Italy

* Organizers: Bram Roth, Giovanni Sartor, Pompeu Casanovas.

* Important dates:
  - 2006. November 13th: Title of your contribution, name (authors) and abstract (Closed)
  - 2006. December 1st-2nd : Workshop in Florence
  - 2007. February 15th : First draft
  - 2007. April 1st: Reviewers' comments
  - 2007. April 30th. Camera-ready.

* The contact person is Bram Roth, University of Bologna, broth@cirsfid.unibo.it or 0039051-277258.

PROGRAMME OF THE WORKSHOP

Friday, December 1st

Session I: **Legal knowledge, justice and dialogue**

13.00-13.30
Bram Roth (CIRSFID; ALIS). **Game Theory in the Law**

13.30-14.00
Kasper van den Berg (Leibniz Center for Law; ESTRELLA). **Developing a Legal Knowledge Interchange Format.**

Session II: **Legal ontologies, methodology and information retrieval**

14.15-14.45
Rossella Rubino and Giovanni Sartor (CIRSFID; ESTRELLA). **Norms on Legal Sources and Self-Regulating Institutions**

14.45-15.15

Elia María Barragán (CIRSFID, ALIS). **Some Legal Considerations Surrounding Expert Systems**

15.15-15.45
Zhisheng Huang, Stefan Schlobach, Frank van Harmelen, Núria Casellas, Pompeu Casanovas. (Vrije Universiteit Amsterdam, UAB Institute of Law and Technology) **Dynamic Aspects of SEKT Legal Ontologies**

Session III: **Argumentation, Legal and Practical reasoning**

15.30-16.00
Claudia Cevenini (CIRSFID; ALIS). **ICT-Supported Dispute Resolution**

16.00-16.30
Francesca Toni (Imperial College London; ArguGrid) **Assumption-based argumentation for epistemic and practical reasoning**

17.00-17.30
Maxime Morge (Pisa; ArguGrid) **Argumentation framework for multi-attribute decision making**

Saturday, December 2nd

Session I: **Legal knowledge, justice and dialogue**

09.30-10.00
Adrian Perreau de Pinnink, Carles Sierra, Marco Schorlemmer. (Artificial Intelligence Research Institute IIIA-CSIC, Spain; SEKT). **Distributed Norm Enforcement: Ostracism in Multi-Agent Systems.**

10.00-10.30
Pompeu Casanovas and Marta Poblet (UAB Institute of Law and Technology, Spain). **Mapping Restorative Justice. Micro-foundations of RJ and ODR.**

Session II: **Legal ontologies, methodology and information retrieval**

10.45-11.15
Angel Sancho (Research Manager. Wolters Kluwer-Spain; SEKT) **WK-Explorer: Meta-Search Engine for Legal Databases**

11.15-11.45
Mercedes Blázquez, José Manuel López-Cobo, Núria Casellas, Pep Vallbé, Jesús Contreras, R.V.Benjamins (iSOCO and UAB Institute of Law and Technology, Spain) **SEKT Legal Case Development**

11.45-12.15
Johanna Völker, Sergi Fernández-Langa, York Sure (Karlsruhe; SEKT). **Supporting the Construction of Spanish Legal Ontologies with Text2Onto**

Lunch 12.15-13.15

Session III: **Argumentation, legal and practical reasoning**

13.15-13.45
Giuseppe Contissa (CIRSFID; ALIS). **Rulebase technology and legal knowledge representation**

13.45-14.15
Adam Wyner (University of Liverpool; ASPIC). **Towards a Description of Legal Argumentation: Some Foundational Components**

14.15-14.45
Henry Prakken (Utrecht University; ASPIC) and Giovanni Sartor (CIRSFID; ALIS). **Presumptions and Burdens of Proof**

14.45-15.15
Michel Rudnianski (ORT Paris, only Saturday; ALIS). **ALIS: an Automated Legal Intelligent System**