



IVR

Asociación Internacional de Filosofía del Derecho y Filosofía Social
International Association for Philosophy of Law and Social Philosophy

XXII WORLD CONGRESS OF PHILOSOPHY OF LAW AND SOCIAL PHILOSOPHY

IVR '05-Granada , May 24th-29th

B4-Workshop on Artificial Intelligence and Law: The regulation of electronic social systems. Law and the Semantic Web

May 25th-27th

Local Committee: Antonio Peña (UGR)

Organizers: Pompeu Casanovas (IDT-UAB) , Danièle Bourcier (CERSA-CNRS), Pablo Noriega (IIIA-CSIC) , V.R.Benjamins (iSOCO)

Web location: <http://www.lefis.org>

Webmaster: Fernando Galindo (UZ)

Place: Room 24, Palacio de Congresos de Granada (Conference Center)

Official languages: Spanish and English

SUMMARY

The emergence of the Internet, and more recently the availability of web-based services and the wide ranging implications of the Semantic Web proposal have brought to light the need to establish conventions that facilitate interactions among agents. Such agents -that can be human or software entities-- may be autonomous and independent, and may get involved in a variety of activities, ranging from the simple use of computer services (e.g. a printer) to complex negotiation involving the creation or maintenance of virtual enterprises. One way of addressing that need is to conceptualize agent interactions as happening in a virtual social environment that is somehow regulated in order to make

them more effective. There are a number of proposals-- most stemming from the AI community-- some more concerned with the conceptual and formal aspects that need to be addressed, others with the pragmatic and engineering issues involved. The field is active enough to establish a meaningful dialogue with the legal tradition that underlies the true theoretical and practical aspects of the area.

Work has been recently done on legal ontologies and their epistemological grounds. Perhaps it is worthwhile to maintain separate the legal, epistemological and cognitive models underlying the ontological construes. But there is a discussion still to be done among scholars working in the crossroad domain of legal social sciences.

The workshop would bring together some of the leading researchers in the field to debate on the current proposals and the foreseeable developments.

WORKSHOP PROGRAM

Wednesday, May 25th

16:00 – 16:15 *Opening remarks*

16:15 – 17: 30 *Panel #1. Legal theory, governance and AI*

Chair: Danièle Bourcier

K. Dobrzeniecki: “Law and Informational Justice”

Hsien-Wu Chen: “A Reflection on the Specifications of Legal Ontologies”

F. Galindo: "Ontologías y Filosofía del Derecho: el proyecto REIMDOC".

D. Bourcier: “Regulation and Governance: New Regulatory Trends”

17:30 – 18:15 *Panel #1 Discussion*

18:15 – 18:30 *coffee break*

18:30 – 19:15 *Panel #2 Legal Ontologies and the Semantic Web*

Chair: Aldo Gangemi

C. Tempich, S. Pinto, Y. Sure, D. Vrandecic, N. Casellas, P. Casanovas: “Evaluating DILIGENT Ontology Engineering in a Legal Case Study”

P. Casanovas, N. Casellas, M. Poblet, J.J. Vallbé, Y. Sure, D. Vrandecic: “IURISERVICE II Ontology Development”

J-J. Vallbé, A. Martí, A. Jakulin, B. Fortuna, D. Mladenic: “Stemming and Lemmatization: Improving Knowledge Management Through Language Processing Techniques”

M.Blázquez, R.Pérez, V.R.Benjamins: “Iuriservice Architecture”

A. Gangemi: “Design Patterns for Legal Ontology Construction”

19:15 – 20:00 *Panel #2 Discussion*

Friday, May 27th

16:00 – 16: 45 *Panel #3 . Law, Images and visualization of knowledge representation*

Chair: Friedrich Lachmayer

M. Blázquez, R. Pérez, V.R. Benjamins.: “Visualization of Semantic Content”

A. Jakulin: “Visual Analysis of Legal and Political Data”

F. Lachmayer, M. Bujatti-Narbeshuber: “Legal Image and AI –in the context of Evolution of Signs”.

16:45 – 17:30 *Panel #3 Discussion*

17:30 – 17:45 *coffee break*

17:45 – 19:00 *Panel #4 Virtual institutions and legal computing*

Chair: Pablo Noriega

R. Hernández, J. López, J.J. Iniesta: “CRNOLEX: A Computing Representation of Law Dynamics”

C. Smith: “A Minimal Logic which Captures an Essential Content of the Legal Expression ‘Good Faith’”

E. Cáceres: “Artificial Intelligence, Law and e-Justice (IIJ-CONACYT Project)”

J.C. Tron-Petit: “Control de gestión de un tribunal. Un enfoque y esquema ontológico”.

A. Vincent, J. Zeleznikow: “Plea Bargaining and the Role of Decision Support Systems”.

P. Noriega: “Electronic Institution as a Regulatory Framework for Agent Interactions”

19:00 – 19:45 *Panel #4 Discussion*

19:45 – 20:00 *Closing remarks*

