

## **MIGLE LAUKYTE**

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### **Summary**

Studying law and the new technologies in my third year under a three-year Ph.D. program based at the University of Bologna, and working at the same university on EU research projects pertaining in different ways to this broad subject area.

### **Education**

#### **2007–10**

Completing at the University of Bologna a Ph.D. Program in Law and the New Technologies: Legal Informatics and IT Law.

#### **2004–05**

Completed a Master's Course in Legal Informatics and IT Law.

#### **2003–04**

Completed a Master's Course in Legal Informatics at Mykolas Romeris University (Lithuania), spending one year under the Erasmus Project at the University of Saragossa (Spain).

#### **1999–2002**

Took a law degree at Mykolas Romeris University (Lithuania).

### ***Languages spoken***

Speak English, Italian, and Russian, aside from my own native Lithuanian.

### ***Programming languages***

PROLOG, learned working on a project called ALIS (details below).

### **Work experience**

### ***October 2005 to present***

Have been participating in research projects at CIRSFID, an interdisciplinary research center affiliated with the Bologna University School of Law and devoted to three broad areas of study: (i) the history, philosophy, and sociology of law; (ii) legal informatics and IT law; and (iii) bioethics and Law and Literature. (The website is [www.cirsfid.unibo.it](http://www.cirsfid.unibo.it), but it is mostly in Italian.)

### **List of articles coauthored (in chronological order)**

- C. Cevenini, G. Contissa, M. Laukyte, G. Sartor, and R. Rubino, “Legal Issues of Software Agents” (for the conference eChallenges e-2006 ([www.echallenges.org](http://www.echallenges.org)), 25–27 Nov. 2006), in *Exploiting the Knowledge Economy: Issues, Applications, Case Studies*, ed. P. and M. Cunningham (Amsterdam: IOS Press, 2006).
- C. Cevenini, G. Contissa, and M. Laukyte, “Agent-Based Contracting in Virtual Enterprises,” in *Establishing the Foundation of Collaborative Networks*, ed. L. Camarinha-Matos, H. Afsarmanesh, P. Novais, and C. Analide, vol. 243/2007 of the series IFIP International Federation for Information Processing (Boston: Springer, 2007), pp. 225–33.
- G. Contissa, C. Cevenini, M. Laukyte, R. Riveret, and R. Rubino, “Development of the ALIS IP Ontology: Merging Legal and Technical Perspectives” (for the conference IFIP 20th World Computer Congress, held in Milan on 7–10 Sept. 2008, [www.wcc2008.org](http://www.wcc2008.org)), in *Proceedings of the Second Topical Session on Computer-Aided Innovation: WG 5.4/TC 5 Computer-Aided Innovation* (Berlin and Heidelberg: Springer-Verlag, 2008), pp. 169–80.
- G. Contissa and M. Laukyte, “Legal Knowledge Representation: A Twofold Experience in the Intellectual Property Law Domain,” in *Legal Knowledge and Information Systems: JURIX 2008, the Twenty-First Annual Conference*, ed. E. Francesconi, G. Sartor, and D. Tiscornia, vol. 180/2008 of the series *Frontiers in Artificial Intelligence and Applications* (Amsterdam; Berlin; Oxford; Tokyo; and Washington, DC: IOS Press, 2008), pp. 98–107.
- C. Cevenini, G. Contissa G. Fioriglio, M. Laukyte, and A. Rocchi, “Semantic Technologies and Web Services: A Primer on Legal Issues,” in *Handbook of Research on the Social Dimensions of Semantic Technologies and WebServices*, ed. M. M. Cunha, E. Oliveira, A. Tavares, and L. Ferreira (IGI Global: 2009).
- G. Contissa, C. Cevenini, M. Laukyte, and R. Riveret, “Ontologies and Law: A Practical Case of the Creation of Ontology for the Copyright Law Domain,” in *Handbook of Research on the Social Dimensions of Semantic Technologies and WebServices*, ed. M. M. Cunha, E. Oliveira, A. Tavares, and L. Ferreira (IGI Global: 2009).

### **Research projects**

**2006–09**

ALIS: Automated Legal Intelligent System

An EU project (6th Framework Programme) designed to create an intelligent system capable of managing EU copyright law by solving copyright cases. It does this drawing on game theory and knowledge representation in PROLOG.

My role in this project was to work on the content and functionality of the system's graphical user interface; I also developed a number of user scenarios reproducing the legal reasoning involved; finally, I contributed to building the system's knowledge base by translating French and Polish Copyright law into rules written in PROLOG.

### **2003–06**

#### **Legal-IST: Legal Issues for the Advancement of Information Society Technologies**

An EU project (6th Framework Programme) designed to put forward strategies and policies on which basis to handle the legal issues arising in connection with the use of information technologies. These issues include those involving software agents and open-source software, RFID, and virtual enterprises, as well as those of privacy and identity management, the liability of Internet service providers, and the drafting of codes of conduct.

My role in this project was to contribute to the study of the legal issues arising in connection with the development and use of software agents.

### **2003–06**

#### **ATHENA: Advanced Technologies for Interoperability of Heterogeneous Enterprise Networks and their Applications**

An EU project (6th Framework Programme) devoted to developing the methods and techniques useful in building a common interoperable platform enabling fully interoperable interactions and services among EU enterprises.

For this project I contributed to writing a report providing guidelines and useful information for software developers.

### **2003–06**

#### **SEEMSeed: Study, Evaluate, and Explore in the Domain of the Single European Electronic Market**

An EU project (6th Framework Programme) devoted to improving the policies designed to help businesses and citizens offer or use e-Business services and products in the EU.

For this project I co-wrote a report on the legal issues arising in connection with the use of e-business registries.

### **2004–present**

#### **LEFIS: Legal Framework for the Information Society**

This project is designed to build a network supporting the development of a EU-wide standard for teaching and research in IT law and legal informatics.

My role here was to work on the Lithuanian Web page forming part of this project.