

# Curriculum Vitae

## PERSONAL INFORMATION

**Full Name** Daniel Olmedilla  
**Place of birth** Madrid  
**Date of birth** March, the 3<sup>rd</sup> of 1979  
**Phone Number** +34 620.600.505  
**E-Mail** danieloc@tid.es  
**Home Page** <http://www.olmedilla.info/>



**Google:** Daniel Olmedilla  
**Linkedin:** Daniel Olmedilla  
**DBLP:** Daniel Olmedilla

## STUDIES

**2003 – 2009**  
**Leibniz Universität Hannover** Hannover, Germany  
*Ph.D. Thesis (Dr. rer. nat.)*  
“Policy Representation and Reasoning in Distributed Environments”  
Grade “ausgezeichnet” (summa cum laude)

**2001 – 2007**  
**Universidad Autónoma de Madrid** Madrid, Spain  
*Ph.D. Thesis*  
“Realizing Interoperability of E-Learning Repositories”  
Grade “summa cum laude”  
European mention

**1997 – 2001**  
**Universidad Autónoma de Madrid** Madrid, Spain  
*Computer Science Engineer (B.Sc. and M.Sc.)*  
Average of 9 out of 10. Top five of promotion.  
Grades with highest honours (distinction) in 10 out of 40 courses.

## PROFESSIONAL EXPERIENCE

**Oct. 2008 – ...**  
**Telefónica R&D** Madrid, Spain  
*Technology Expert (equiv. Division Head)*

- User Profiling, Business Intelligence and Personalisation.  
Application of cutting edge research (e.g., artificial intelligence, data mining, machine learning, social network analysis, distributed algorithms and scalable architectures).  
Product Manager and technology transfer to Telefónica Operating Business in all regions: Spain, O2 (UK, DE, IR and CZ) y Latam.  
Productisation into Telefónica services and products.

**Oct. 2009 – Feb. 2010**  
**Universidad Autónoma de Madrid** Madrid, Spain  
*Associate Professor on Computational Theory & Artificial Intelligence*

**Sep. 2002 – Sep. 2008**  
**L3S Research Center and Hannover University** Hannover, Germany  
*Researcher and Project Manager*  
Basic and applied research in the area of Information and Communications Technologies (artificial intelligence, knowledge representation and reasoning, security & privacy, data mining,

information retrieval, e-learning, machine learning and semantic web).

Coordination and participation of ICT European Projects:

- **IRIS (Jan. 2008 - Dec. 2009)** – <http://www.L3S.de/web/IRIS>  
Interdisciplinary Research Initiative on Security
- **PROTUNE (Jan. 2006 - Dic. 2009)** – <http://www.L3S.de/protune/>  
Easy, deployable policy driven framework in order to secure an application or a website, which negotiates access to resources as well as generates explanations of the decisions taken.
- **TENCOMPETENCE (Dec. 2005 - Nov. 2009)** – <http://www.tencompetence.org/>  
Meeting the needs of individuals, groups and organizations in Europe for the development of competences.
- **REWERSE (Feb. 2004 - Feb. 2008)** – <http://www.rewerse.net/>  
Establishing Europe as a leader in the area of reasoning languages for Web systems and applications.
- **PROLEARN (Jan. 2004 - Dec. 2005)** – <http://www.prolearn-project.org/>  
Future technology enhanced professional learning and its use for professional training in SME's and larger companies.
- **PEERTRUST (Sep. 2003 - Aug. 2005)** – <http://www.L3S.de/peertrust/>  
Investigation and development of policy languages to describe trust and security requirements on the Semantic Web.
- **ELENA (Sep. 2002 - May. 2005)** – <http://www.elena-project.org/>  
Design and implementation of a smart space for learning that integrates heterogeneous service.

**Sep. 2007 – Feb. 2008**

**Leibniz Universität Hannover**

Hannover, Germany

*Lecturer on "Security in Web Based Systems"*

**Sep. 2006 – Oct. 2006**

**SRI International**

Menlo Park, California, USA

*International Fellow*

**Sep. 2001 – Aug. 2002**

**PricewaterhouseCoopers Consulting (now IBM Global Services)**

Madrid, Spain

*Consultant and Project Manager*

- **VÍA DIGITAL (Apr. 2002 – Aug. 2002)**  
*Project Leader (and Analyst)*  
Implementation and integration of CRM Vantive (3<sup>rd</sup> phase): Maintenance of the implementation of CRM Vantive-Genesys in the Call Center.
- **XFERA (Feb. 2002 – Mar. 2002)**  
*Analyst and developer*  
Implementation of the Xfera portal: Analysis, design and development of a multichannel portal (Web, WAP and PDA) in a BEA Weblogic and Integrator environment with J2EE technologies.
- **VÍA DIGITAL (Sep. 2001 – Jan. 2002)**  
*Analyst and System Test team leader*  
Implementation and integration of CRM Vantive (2<sup>nd</sup> phase): Implementation of CRM Vantive-Genesys in the Call Center.

**Sep. 2000 – Jun. 2001**

**Tecnología, Información y Finanzas (Grupo Analistas)**

Madrid, Spain

*Programming analyst (Visual Basic, Java, C++)*

Development of on-line information systems based on Microsoft IIS (Windows DNA), Transaction Server and XML. Development of ActiveX components for financial computing.

**Mar. 2000 – Jun. 2000**

**Instituto de Ingeniería del Conocimiento (IIC)**

Madrid, Spain

*Application programmer in Visual Basic y Visual C++*

Participation in a project on credit card fraud detection for VISA ESPAÑA.

**Jul. 1998 – Sep. 1998**

**E.D.S. and CITYBANK**

Madrid, Spain

*Programmer in the Help Desk department*

Database management and application development.

**TEACHING  
ACTIVITIES**

**Universidad Autónoma de Madrid**

Madrid, Spain

- Lecture “Introduction to Software”, Winter Semester 2009-2010.

**Leibniz Universität Hannover**

Hanover, Germany

- Lecture “Security in Web-Based Systems”, Winter Semester 2007-2008 (official lecturer).
- Object and Agent Oriented Programming (lab), Summer Semester 2006.
- Object and Agent Oriented Programming (lab), Summer Semester 2005.
- Object and Agent Oriented Programming (lab), Winter Semester 2004/2005.
- Software Project, Summer Semester 2004.
- Object and Agent Oriented Programming (lab), Summer Semester 2004.
- Object and Agent Oriented Programming (lab), Winter Semester 2003/2004.
- Object and Agent Oriented Programming (lab), Winter Semester 2003.

**International Master and PhD Programmes**

- Master and PhD Computer Science and Telecommunication Programme, Universidad Autónoma de Madrid, 2008.
- Master of Science programme in Active Learning and the Learning Technology Development Programme, Educational Technology Expertise Centre, Open University Netherlands, 2007.

**International Research Schools & Tutorials**

- Asian Semantic Web School, Bangkok, Thailand, December 2008.
- Reasoning Web Summer School, Dresden, Germany, September 2007.
- TENCompetence Winter School, Innsbruck, Austria, January 2007.
- RuleML International Conference Tutorial on Semantic Web Policies, Athens, Georgia, USA, November 2006.
- European Semantic Web Conference Tutorial on Semantic Web Policies, Budva, Montenegro, June 2006.

## COURSES

- Negotiation: Influence and Persuasion* – Sep. 2009  
Tactical Consulting  
Madrid, Spain
- Agile: Product Owner Role* – Sep. 2009  
Telefonica R&D  
Madrid, Spain
- Introduction to Agile Methodology* – Jun. 2009  
Telefonica R&D  
Madrid, Spain
- Brand Image* – Jun. 2009  
Telefonica R&D  
Madrid, Spain
- Business Vision* – Apr. 2009  
Telefonica R&D  
Madrid, Spain
- Communication to Mass Media* – Apr. 2009  
Telefonica R&D  
Madrid, Spain
- The practice of Emotional Intelligence* – Apr. 2009  
Telefonica R&D  
Madrid, Spain
- Systems and Algorithms for Recommendation and Personalisation of Information* – Feb. 2009  
Telefonica R&D  
Madrid, Spain
- Efficient Presentations* – Dec. 2008  
Tactical Consulting  
Madrid, Spain
- Creativity and Team Work* – Jun. 2009  
ESIC Business & Marketing School  
Madrid, Spain
- Reasoning on the Web* – Jul. 2005  
REWERSE Summer School Reasoning on the Web  
Msida, Malta
- Ontological Engineering and the Semantic Web* – Jul. 2004  
2<sup>nd</sup> Summer School on Ontological Engineering and the Semantic Web  
Cercedilla, Madrid, Spain
- Algorithmics for Data Mining and Pattern Discovery* – Jul. 2003  
15<sup>th</sup> Edition of the International School for Computer Science Researchers  
Lipari, Italy
- Computer Telephony Integration (CTI) course (Multichannel)* – Jun. 2002  
PricewaterhouseCoopers Consulting
- Introduction to Consulting* – Mar. 2002  
PricewaterhouseCoopers Consulting
- IP Networks and Services* – Feb. 2002  
PricewaterhouseCoopers Consulting
- Telecommunications course* – Jan. 2002  
PwC Consulting / IET (Instituto de Estudios Tecnológicos)

*Core Capabilities: Group Working Technics* – Oct. 2001  
PricewaterhouseCoopers Consulting / Ixem Consultores S.L.

*Core Capabilities: Personal Activity Organization* – Oct. 2001  
PricewaterhouseCoopers Consulting / Ixem Consultores S.L.

**RESEARCH VISITS**

*Pontificia Universidade Católica do Rio de Janeiro* – Jul.-Aug. 2007  
Rio de Janeiro, Brazil

*SRI International* – Sep.-Oct. 2006  
Menlo Park, California, USA

*Linkping University* – May. 2005  
Linkping, Sweden

*Universidade Nova de Lisboa* – Dec. 2004  
Lisbon, Portugal

*Universita' di Napoli Federico II* – Sep. 2004  
Naples, Italy

*University of Illinois* – Aug.-Sep. 2003  
Champaign-Urbana, Illinois, USA

**LANGUAGES**

*Spanish:* native.

*English:* fluent level writing and speaking.

*German:* high level writing and speaking.

*French:* high level writing and speaking.

**REFERENCES**

*Prof. Dr. techn. Dipl-Ing. Wolfgang Nejd*  
L3S Research Center / Leibniz Universität Hannover  
Phone: +49 (0)511-762.19710  
E-mail: nejd@L3S.de

*Prof. Dr. Pablo Castells*  
Universidad Autónoma de Madrid (UAM)  
Phone: +34 91-497.2284  
E-mail: pablo.castells@uam.es

*Ignacio Salas Salmerón, Gerente ICE*  
PricewaterhouseCoopers Consulting  
Phone: +34 677-93.50.89

*Borja Foncillas García, Partner (previously Director of the Development Department)*  
Tecnología, Información y Finanzas (Grupo Analistas)  
Phone: +34 91-520.01.06  
E-mail: bfoncillas@afi.es

**OTHER INFORMATION**

- Good disposition for traveling.
- Experience in international working environments.
- Experience in the coordination of international projects and working teams.
- Experience in public presentations and lectures to clientes, researchers and university students.

## PUBLICATIONS

### CONFERENCES

1. Sergej Zerr, Daniel Olmedilla, Juri Luca De Coi, Wolfgang Nejdl, Piero A. Bonatti, and Luigi Sauro. Policy based protection and personalized generation of web content. In *Proceedings of the Latin American Web Conference (LA-WEB)*, pages 112–119, Merida, Mexico, November 2009. IEEE Computer Society.
2. Sergej Zerr, Daniel Olmedilla, Wolfgang Nejdl, and Wolf Siberski. Zerber<sup>+r</sup>: top-k retrieval from a confidential index. In *12th International Conference on Extending Database Technology (EDBT/ICDT'09)*, volume 360 of *ACM International Conference Proceeding Series*, pages 439–449, Saint-Petersburg, Russia, March 2009. ACM.
3. Fabian Abel, Juri Luca De Coi, Nicola Henze, Arne Wolf Koesling, Daniel Krause, and Daniel Olmedilla. A user interface to define and adjust policies for dynamic user models. In *Fifth International Conference on Web Information Systems and Technologies (WEBIST)*, pages 184–191. INSTICC Press, March 2009.
4. Piero A. Bonatti, Juri Luca De Coi, Daniel Olmedilla, and Luigi Sauro. Policy-driven negotiations and explanations: Exploiting logic-programming for trust management, privacy & security. In *24th International Conference on Logic Programming (ICLP 2008)*, volume 5366 of *Lecture Notes in Computer Science*, pages 779–784, Udine, Italy, December 2008. Springer.
5. Juri L. De Coi and Daniel Olmedilla. A review of trust management, security and privacy policy languages. In *International Conference on Security and Cryptography (SECRYPT 2008)*. INSTICC Press, July 2008.
6. Juri Luca De Coi, Daniel Olmedilla, Sergej Zerr, Piero A. Bonatti, and Luigi Sauro. A trust management package for policy-driven protection & personalization of web content. In *IEEE International Policies for Distributed Systems and Networks (POLICY 2008)*, pages 228–230, Palisades, NY, USA, June 2008. IEEE Computer Society.
7. Sergej Zerr, Elena Demidova, Daniel Olmedilla, Wolfgang Nejdl, Marianne Winslett, and Soumyadeb Mitra. Zerber: r-confidential indexing for distributed documents. In *11th International Conference on Extending Database Technology (EDBT 2008)*, volume 261 of *ACM International Conference Proceeding Series*, pages 287–298, Nantes, France, March 2008. ACM.
8. Fabian Abel, Juri Luca De Coi, Nicola Henze, Arne Wolf Koesling, Daniel Krause, and Daniel Olmedilla. Enabling advanced and context-dependent access control in rdf stores. In *6th International Semantic Web Conference, 2nd Asian Semantic Web Conference, ISWC 2007 + ASWC 2007*, volume 4825 of *Lecture Notes in Computer Science*, pages 1–14, Busan, Korea, November 2007. Springer.
9. Juri L. De Coi and Daniel Olmedilla. A flexible policy-driven trust negotiation model. In *2007 IEEE/WIC/ACM International Conference on Intelligent Agent Technology*, pages 450–453, Silicon Valley, CA, USA, November 2007. IEEE Computer Society.
10. Juri L. De Coi, Philipp Kärger, Arne W. Koesling, and Daniel Olmedilla. Exploiting policies in an open infrastructure for lifelong learning. In *2nd European Conference on Technology Enhanced Learning (EC-TEL)*, volume 4753 of *Lecture Notes in Computer Science*, pages 26–40, Crete, Greece, Sep 2007. Springer.
11. Fabian Abel, Eelco Herder, Philipp Kärger, Daniel Olmedilla, and Wolf Siberski. Exploiting preference queries for searching learning resources. In *2nd European Conference on Technology Enhanced Learning (EC-TEL)*, volume 4753 of *Lecture Notes in Computer Science*, pages 143–157, Crete, Greece, Sep 2007. Springer.

12. Piero A. Bonatti and Daniel Olmedilla. Rule-based policy representation and reasoning for the semantic web. In *Reasoning Web, Third International Summer School 2007*, volume 4636 of *Lecture Notes in Computer Science*, pages 240–268, Dresden, Germany, September 2007. Springer.
13. Elena Demidova, Philipp Kärger, Daniel Olmedilla, Stefaan Ternier, Erik Duval, Michele Dicerio, Carlos Mendez, and Krassen Stefanov. Services for knowledge resource sharing & management in an open source infrastructure for lifelong competence development. In *7th IEEE International Conference on Advanced Learning Technologies (ICALT 2007)*, pages 691–693, Niigata, Japan, July 2007. IEEE Computer Society.
14. Ionut Constandache, Daniel Olmedilla, and Frank Siebenlist. Policy-driven negotiation for authorization in the grid. In *IEEE International Policies for Distributed Systems and Networks (POLICY 2007)*, pages 211–220, Bologna, Italy, June 2007. IEEE Computer Society.
15. Juri L. De Coi, Eelco Herder, Arne Koesling, Christoph Lofi, Daniel Olmedilla, Odysseas Papapetrou, and Wolf Siberski. A model for competence gap analysis. In *WEBIST 2007, Proceedings of the Third International Conference on Web Information Systems and Technologies: Internet Technology / Web Interface and Applications*, Barcelona, Spain, Mar 2007. INSTICC Press.
16. Ingo Brunkhorst and Daniel Olmedilla. Interoperability for peer-to-peer networks: Opening p2p to the rest of the world. In *Innovative Approaches for Learning and Knowledge Sharing, First European Conference on Technology Enhanced Learning (EC-TEL)*, volume 4227 of *Lecture Notes in Computer Science*, pages 45–60, Heraklion, Greece, Oct 2006. Springer.
17. Piero A. Bonatti, Daniel Olmedilla, and Joachim Peer. Advanced policy explanations on the web. In *17th European Conference on Artificial Intelligence (ECAI 2006)*, pages 200–204, Riva del Garda, Italy, Aug-Sep 2006. IOS Press.
18. Bernd Simon, Stefan Sobernig, Fridolin Wild, Sandra Aguirre, Stefan Brantner, Peter Dolog, Gustaf Neumann, Gernot Huber, Tomaz Klobucar, Sascha Markus, Zoltán Miklós, Wolfgang Nejdl, Daniel Olmedilla, Joaquín Salvachúa, Michael Sintek, and Thomas Zillinger. Building blocks for a smart space for learning<sup>tm</sup>. In *6th IEEE International Conference on Advanced Learning Technologies (ICALT 2006)*, pages 309–313, Kerkrade, The Netherlands, July 2006. IEEE Computer Society.
19. Piero A. Bonatti, Claudiu Duma, Norbert Fuchs, Wolfgang Nejdl, Daniel Olmedilla, Joachim Peer, and Nahid Shahmehri. Semantic web policies - a discussion of requirements and research issues. In *3rd European Semantic Web Conference (ESWC)*, volume 4011 of *Lecture Notes in Computer Science*, Budva, Montenegro, June 2006. Springer.
20. Miguel Alves, Carlos Viegas Damásio, Wolfgang Nejdl, and Daniel Olmedilla. A distributed tabling algorithm for rule based policy systems. In *7th IEEE Policies for Distributed Systems and Networks (POLICY 2006)*, pages 123–132, London, Ontario, Canada, June 2006. IEEE Computer Society.
21. Daniel Olmedilla, Omer F. Rana, Brian Matthews, and Wolfgang Nejdl. Security and trust issues in semantic grids. In *Semantic Grid: The Convergence of Technologies*, volume 05271 of *Dagstuhl Seminar Proceedings*. Internationales Begegnungs- und Forschungszentrum (IBFI), Schloss Dagstuhl, Germany, July 2005.
22. Stefaan Ternier, Daniel Olmedilla, and Erik Duval. Peer-to-peer versus federated search: towards more interoperable learning object repositories. In *2005 World Conference on Education, Multimedia, Hypermedia & Telecommunications (ED-MEDIA)*, Montreal, Canada, July 2005. Association for the Advancement of Computing in Education (AACE).

23. Piero A. Bonatti and Daniel Olmedilla. Driving and monitoring provisional trust negotiation with metapolicies. In *6th IEEE Policies for Distributed Systems and Networks (POLICY 2005)*, pages 14–23, Stockholm, Sweden, June 2005. IEEE Computer Society.
24. Wolfgang Nejdl, Daniel Olmedilla, Marianne Winslett, and Charles C. Zhang. Ontology-based policy specification and management. In *2nd European Semantic Web Conference (ESWC)*, volume 3532 of *Lecture Notes in Computer Science*, pages 290–302, Heraklion, Crete, Greece, May 2005. Springer.
25. Paul-Alexandru Chirita, Daniel Olmedilla, and Wolfgang Nejdl. Finding related pages using the link structure of the WWW. In *2004 IEEE/WIC/ACM International Conference on Web Intelligence (WI 2004)*, pages 632–635, Beijing, China, September 2004. IEEE Computer Society.
26. Paul-Alexandru Chirita, Daniel Olmedilla, and Wolfgang Nejdl. Pros: A personalized ranking platform for web search. In *3rd International Conference Adaptive Hypermedia and Adaptive Web-Based Systems (AH 2004)*, volume 3137 of *Lecture Notes in Computer Science*, pages 34–43, Eindhoven, The Netherlands, August 2004. Springer.
27. Rita Gavrioloaie, Wolfgang Nejdl, Daniel Olmedilla, Kent E. Seamons, and Marianne Winslett. No registration needed: How to use declarative policies and negotiation to access sensitive resources on the semantic web. In *1st European Semantic Web Symposium (ESWS 2004)*, volume 3053 of *Lecture Notes in Computer Science*, pages 342–356, Heraklion, Crete, Greece, May 2004. Springer.
28. Paul-Alexandru Chirita, Daniel Olmedilla, and Wolfgang Nejdl. Finding related hubs and authorities. In *1st Latin American Web Congress (LA-WEB 2003)*, *Empowering Our Web*, pages 214–215, Santiago, Chile, November 2003. IEEE Computer Society.

## JOURNALS

1. Philipp Kärger, Daniel Olmedilla, Fabian Abel, Eelco Herder, and Wolf Siberski. What do you prefer? using preferences to enhance learning technology. *IEEE Transactions on Learning Technologies*, 1(1):20–33, 2008.
2. Juri L. De Coi, Philipp Kärger, Arne W. Koesling, and Daniel Olmedilla. Control your elearning environment: Exploiting policies in an open infrastructure for lifelong learning. *IEEE Transactions on Learning Technologies*, 1(1):88–102, 2008.
3. Ivana Marenzi, Elena Demidova, Wolfgang Nejdl, Daniel Olmedilla, and Sergej Zerr. Social software for lifelong competence development: Challenges and infrastructure. *International Journal of Emerging Technologies in Learning (IJET)*, 3:18–23, 2008.
4. Daniel Burgos, Eelco Herder, and Daniel Olmedilla. Tencompetence: Construyendo la red europea para el desarrollo continuo de competencias. *Revista Iberoamericana de Inteligencia Artificial (IberoAmerican Journal of Artificial Intelligence)*, 11(33):79–84, 2007.
5. Tim Finin, Lalana Kagal, and Daniel Olmedilla. Report on the models of trust for the web workshop (MTW'06). *ACM SIGMOD Record*, 35(4):54–56, 2006.
6. Frans Van Assche, Erik Duval, David Massart, Daniel Olmedilla, Bernd Simon, Stefan Sobernig, Stefaan Ternier, and Fridolin Wild. Spinning interoperable applications for teaching & learning using the simple query interface. *Educational Technology & Society. Special Issue (April 2006) on Interoperability of Educational Systems*, 9(2):51–67, 2006.
7. Steffen Staab, Bharat K. Bhargava, Leszek Lilien, Arnon Rosenthal, Marianne Winslett, Morris Sloman, Tharam S. Dillon, Elizabeth Chang, Farookh Khadeer Hussain, Wolfgang Nejdl, Daniel Olmedilla, and Vipul Kashyap. The pudding of trust. *IEEE Intelligent Systems*, 19(5):74–88, 2004.

8. Bernd Simon, Peter Dolog, Zoltán Miklós, Daniel Olmedilla, and Michael Sintek. Conceptualising smart spaces for learning. *Journal of Interactive Media in Education. Special Issue on the Educational Semantic Web*, 1, 2004.
9. Peter Dolog, Barbara Kieslinger, Zoltán Miklós, Daniel Olmedilla, and Bernd Simon. Creating smart spaces for learning. *Journal of Technology Challenges for Digital Culture*, 7, April 2004.

## BOOKS

1. Piero A. Bonatti, Juri Luca De Coi, Daniel Olmedilla, and Luigi Sauro. Rule-based policy representations and reasoning. In *Semantic Techniques for the Web, The REVERSE Perspective*, volume 5500 of *Lecture Notes in Computer Science*, pages 201–232. Springer, 2009.
2. Daniel Olmedilla. Security and privacy on the semantic web. In Milan Petkovic and Willem Jonker, editors, *Security, Privacy and Trust in Modern Data Management, Data-Centric Systems and Applications*. Springer, 2007.
3. Grigoris Antoniou, Matteo Baldoni, Piero A. Bonatti, Wolfgang Nejdl, and Daniel Olmedilla. Rule-based policy specification. In Ting Yu and Sushil Jajodia, editors, *Secure Data Management in Decentralized Systems*, volume 33 of *Advances in Information Security*. Springer, 2007.

## PROCEEDINGS

1. Michael Hausenblas, Philipp Kärger, Daniel Olmedilla, Alexandre Passant, and Axel Polleres, editors. *Proceedings of the ESWC'09 1st International Workshop on Trust and Privacy on the Social and Semantic Web (SPOT2009)*, Heraklion, Greece, June 2009. CEUR-WS.org.
2. Lalana Kagal, Tim Finin, and Daniel Olmedilla, editors. *Proceedings of the ISWC'07 1st International Workshop on Privacy Enforcement and Accountability with Semantics (PEAS)*, volume 320 of *CEUR Workshop Proceedings*, Busan, Korea, November 2007. CEUR-WS.org.
3. Piero A. Bonatti, Li Ding, Tim Finin, and Daniel Olmedilla, editors. *Proceedings of the ISWC'06 2nd International Semantic Web Policy Workshop (SWPW)*, Athens, Georgia, USA, November 2006.
4. Daniel Burgos, Martin Memmel, Daniel Olmedilla, Eric Ras, Stephan Weibelzahl, and Martin Wolpers, editors. *Proceedings of the EC-TEL'06 Joint International Workshop on Professional Learning, Competence Development and Knowledge Management*, Heraklion, Greece, October 2006.
5. Tim Finin, Lalana Kagal, and Daniel Olmedilla, editors. *Proceedings of the WWW'06 Workshop on Models of Trust for the Web*, volume 190 of *CEUR Workshop Proceedings*, Edinburgh, Scotland, UK, May 2006. CEUR-WS.org.
6. Daniel Olmedilla, Nobuo Saito, and Bernd Simon, editors. *Educational Technology & Society. Special Issue (April 2006) on Interoperability of Educational Systems*, volume 9, 2006.
7. Daniel Olmedilla, Nobuo Saito, and Bernd Simon, editors. *Proceedings of the WWW'05 Workshop on Interoperability of Web-Based Educational Systems*, volume 143 of *CEUR Workshop Proceedings*, Chiba, Japan, May 2005. CEUR-WS.org.

8. Jennifer Golbeck, Piero A. Bonatti, Wolfgang Nejdl, Daniel Olmedilla, and Marianne Winslett, editors. *Proceedings of the ISWC'04 Workshop on Trust, Security, and Reputation on the Semantic Web*, volume 127 of *CEUR Workshop Proceedings*, Hiroshima, Japan, November 2004. CEUR-WS.org.

#### TUTORIALS/LECTURES/INVITED TALKS

1. Daniel Olmedilla. Protune: Natural language for the specification of rule based policies on the semantic web. Invited Talk at the Business Rules, Extraction, Modelling and Integration Session in the 23rd European Conference on Operational Research (EURO), July 2009.
2. Daniel Olmedilla. Semantic web policies for security, trust management and privacy in social networks. Invited Talk at the Workshop on Privacy and Protection in Web-based Social Networks in conjunction with the 12th International Conference on Artificial Intelligence & Law (ICAIL), June 2009.
3. Daniel Olmedilla. Protune: Policy representation and reasoning on the semantic web. Invited talk at the Asian Semantic Web School, December 2008.
4. Piero A. Bonatti and Daniel Olmedilla. Rule-based policy representation and reasoning for the semantic web. Lecture at the Reasoning Web Summer School, September 2007.
5. Daniel Olmedilla and Wolf Siberski. Introduction to the semantic web. Lecture at the TENCompetence Winter School, January 2007.
6. Piero A. Bonatti and Daniel Olmedilla. Semantic web policies: Where are we and what is still missing? Tutorial at the 2nd RuleML International Conference, November 2006.
7. Piero A. Bonatti and Daniel Olmedilla. Semantic web policies: Where are we and what is still missing? Tutorial at the European Semantic Web Conference (ESWC), June 2006.

#### WORKSHOPS

1. Philipp Kärger, Emily Kigel, and Daniel Olmedilla. Reactivity and social data: Keys to drive decisions in social network applications. In *2nd International Workshop on Social Data on the Web in conjunction with the 8th International Semantic Web Conference (ISWC)*, Washington DC, USA, October 2009.
2. Juri L. De Coi, Philipp Kärger, Daniel Olmedilla, and Sergej Zerr. Semantic web policies for security, trust management and privacy in social networks. In *Workshop on Privacy and Protection in Web-based Social Networks in conjunction with the 12th International Conference on Artificial Intelligence & Law (ICAIL)*, Barcelona, Spain, June 2009.
3. Juri L. De Coi, Philipp Kärger, Daniel Olmedilla, and Sergej Zerr. Using natural language policies for privacy control in social platforms. In *ESWC'09 1st International Workshop on Trust and Privacy on the Social and Semantic Web (SPOT2009)*, Heraklion, Greece, June 2009. CEUR-WS.org.
4. Alexandre Passant, Philipp Kärger, Michael Hausenblas, Daniel Olmedilla, Axel Polleres, and Stefan Decker. Enabling trust and privacy on the social web. In *W3C Workshop on the Future of Social Networking*, Barcelona, Spain, January 2009.
5. Philipp Kärger, Nuno Lopes, Daniel Olmedilla, and Axel Polleres. Towards logic programs with ordered and unordered disjunction. In *Workshop on Answer Set Programming and Other Computing Paradigms (ASPOCP) 2008 in conjunction with 24th International Conference on Logic Programming (ICLP 2008)*, Udine, Italy, December 2008.
6. Philipp Kärger, Daniel Olmedilla, and Wolf-Tilo Balke. Exploiting preferences for minimal credential disclosure in policy-driven trust negotiations. In *VLDB Workshop on Secure*

- Data Management (SDM)*, volume 5159 of *Lecture Notes in Computer Science*, pages 99–118, Auckland, New Zealand, August 2008. Springer.
7. Ivana Marenzi, Elena Demidova, Wolfgang Nejdl, and Daniel Olmedilla. Social software for lifelong competence development: Scenario and challenges. In *TENCompetence Open Workshop 2008*, Madrid, Spain, April 2008.
  8. Ekaterini Ioannou, Juri Luca De Coi, Arne Wolf Koesling, Daniel Olmedilla, and Wolfgang Nejdl. Access control for sharing semantic data across desktops. In *1st International Workshop on Privacy Enforcement and Accountability with Semantics (PEAS)*, volume 320 of *CEUR Workshop Proceedings*, Busan, Korea, November 2007. CEUR-WS.org.
  9. Elena Demidova, Stefaan Ternier, Daniel Olmedilla, Erik Duval, Michele Dicerto, Krassen Stefanov, and Naiara Sacristán. Integration of heterogeneous information sources into a knowledge resource management system for lifelong learning. In *The 2nd TenCompetence Workshop: Service Oriented Approaches and Lifelong Competence Development Infrastructures*, Manchester, United Kingdom, January 2007.
  10. Eelco Herder, Arne Koesling, Daniel Olmedilla, Hans Hummel, Judith Schoonenboom, Ayman Moghnieh, and Luk Vervenne. European lifelong competence development: Requirements and technologies for its realisation. In *Workshop on Learning Networks for Lifelong Competence Development*, Sofia, Bulgaria, March 2006.
  11. Piero A. Bonatti, Grigoris Antoniou, Matteo Baldoni, Cristina Baroglio, Claudiu Duma, Norbert E. Fuchs, Alberto Martelli, Wolfgang Nejdl, Daniel Olmedilla, Viviana Patti, Joachim Peer, and Nahid Shahmehri. The reverse view on policies. In *Semantic Web Policy Workshop in conjunction with 4th International Semantic Web Conference*, Galway, Ireland, November 2005.
  12. Ionut Constandache, Daniel Olmedilla, and Wolfgang Nejdl. Policy based dynamic negotiation for grid services authorization. In *Semantic Web Policy Workshop in conjunction with 4th International Semantic Web Conference*, Galway, Ireland, November 2005.
  13. Piero A. Bonatti, Claudiu Duma, Daniel Olmedilla, and Nahid Shahmehri. An integration of reputation-based and policy-based trust management. In *Semantic Web Policy Workshop in conjunction with 4th International Semantic Web Conference*, Galway, Ireland, November 2005.
  14. Rubén Lara and Daniel Olmedilla. Discovery and contracting of semantic web services. In *W3C Workshop on Frameworks for Semantic in Web Services*, Innsbruck, Austria, June 2005.
  15. B. Simon, D. Massart, F. van Assche, S. Ternier, E. Duval, S. Brantner, D. Olmedilla, and Z. Miklós. A simple query interface for interoperable learning repositories. In *WWW Workshop on Interoperability of Web-Based Educational Systems*, volume 143 of *CEUR Workshop Proceedings*, Chiba, Japan, May 2005. Technical University of Aachen (RWTH).
  16. Daniel Olmedilla and Matthias Palmér. Interoperability for peer-to-peer networks: Opening p2p to the rest of the world. In *WWW Workshop on Interoperability of Web-Based Educational Systems*, volume 143 of *CEUR Workshop Proceedings*, Chiba, Japan, May 2005. Technical University of Aachen (RWTH).
  17. Wolfgang Nejdl, Daniel Olmedilla, and Marianne Winslett. Peertrust: Automated trust negotiation for peers on the semantic web. In *VLDB Workshop on Secure Data Management (SDM)*, volume 3178 of *Lecture Notes in Computer Science*, pages 118–132, Toronto, Canada, August 2004. Springer.
  18. Travis Leithead, Wolfgang Nejdl, Daniel Olmedilla, Kent E. Seamons, Marianne Winslett, Ting Yu, and Charles C. Zhang. How to exploit ontologies for trust negotiation. In *ISWC Workshop on Trust, Security, and Reputation on the Semantic Web*, volume 127 of

*CEUR Workshop Proceedings*, Hiroshima, Japan, November 2004. Technical University of Aachen (RWTH).

19. Daniel Olmedilla, Rubén Lara, Axel Polleres, and Holger Lausen. Trust negotiation for semantic web services. In *1st International Workshop on Semantic Web Services and Web Process Composition (SWSWPC)*, volume 3387 of *Lecture Notes in Computer Science*, pages 81–95, San Diego, CA, USA, July 2004. Springer.
20. Jim Basney, Wolfgang Nejdl, Daniel Olmedilla, Von Welch, and Marianne Winslett. Negotiating trust on the grid. In *2nd WWW Workshop on Semantics in P2P and Grid Computing*, New York, USA, May 2004.

#### **OTHER**

1. Juri Luca De Coi, Daniel Olmedilla, Piero A. Bonatti, and Luigi Sauro. Protune: A framework for semantic web policies. In *7th International Semantic Web Conference (Posters & Demos)*, volume 401 of *CEUR Workshop Proceedings*, Karlsruhe, Germany, October 2008. CEUR-WS.org.
2. José Júlio Alferes, Ricardo Amador, Philipp Kärger, and Daniel Olmedilla. Towards reactive semantic web policies: Advanced agent control for the semantic web. In *7th International Semantic Web Conference (Posters & Demos)*, volume 401 of *CEUR Workshop Proceedings*, Karlsruhe, Germany, October 2008. CEUR-WS.org.
3. Daniel Olmedilla. *Realizing Interoperability of E-Learning Repositories*. PhD thesis, Universidad Autónoma de Madrid, Madrid, Spain, May 2007. Grade “Summa Cum Laude”.

#### **INVOLVEMENT IN INTERNATIONAL EVENTS**

##### **PROJECT EVALUATION**

- European Commission, Information Society and Media Directorate-General, Technologies for Information Management.
- Spanish National Agency for Project Evaluation - Agencia Nacional de Evaluación de Proyectos (ANEP).

##### **ORGANIZATION**

1. Workshop Chair. *7th International Semantic Web Conference*, Karlsruhe, Germany, October 2008.
2. System Demonstrations Chair. *IEEE International Policies for Distributed Systems and Networks (POLICY 2008)*, Palisades, NY, USA, June 2008. IEEE Computer Society.
3. Co-Organizer and Program Committee. *1st International Workshop on Privacy Enforcement and Accountability with Semantics (PEAS) in conjunction with the 6th International Semantic Web Conference*, Busan, Korea, November 2007.
4. Editorial Board. *Special Issue of Computers and Human Behavior Journal on Electronic Games and Personalized eLearning Processes*. Elsevier, 2007.
5. Editorial Board. *Special Issue of Simulation & Gaming Journal on eGames and Adaptive eLearning. A practical approach*, 2007.
6. Co-Organizer and Program Committee. *2nd Semantic Web Policy Workshop (SWPW) in conjunction with the 5th International Semantic Web Conference*, Athens, Georgia, USA, November 2006.

7. Co-Organizer. *Joint International Workshop on Professional Learning, Competence Development and Knowledge Management*, Heraklion, Greece, October 2006.
8. Co-Organizer and Program Committee. *Models of Trust for the Web Workshop (MTW) in conjunction with the 15th International World Wide Web Conference*, Edinburgh, UK, May 2006.
9. Guest Editor. Daniel Olmedilla, Nobuo Saito, and Bernd Simon, editors. *Special Issue (April 2006) of the Journal of Educational Technology and Society (endorsed by IEEE Technical Committee on Learning Technology) on Interoperability of Educational Systems*, volume 9, April 2006.
10. Co-Organizer. Daniel Olmedilla, Nobuo Saito, and Bernd Simon, editors. *Proceedings of the WWW'05 Workshop on Interoperability of WebBased Educational Systems in conjunction with the 14th International World Wide Web Conference*, Chiba, Japan, May 2005.
11. Co-Organizer and Program Committee. Jennifer Golbeck, Piero A. Bonatti, Wolfgang Nejdl, Daniel Olmedilla, and Marianne Winslett, editors. *Proceedings of the ISWC'04 Workshop on Trust, Security, and Reputation on the Semantic Web in conjunction with the 3rd International Semantic Web Conference*, volume 127 of *CEUR Workshop Proceedings*, Hiroshima, Japan, November 2004. Technical University of Aachen (RWTH).

## JOURNALS

1. Reviewer. *Journal of Web Semantics*. Elsevier, 2009.
2. Reviewer. *Information Sciences*. Elsevier, 2009.
3. Reviewer. *World Wide Web Journal*. Springer, 2008.
4. Executive Peer-Reviewer. *Journal of Educational Technology and Society (endorsed by IEEE Technical Committee on Learning Technology)*, 2008.
5. Reviewer. *IEEE Transactions on Learning Technologies*. IEEE Computer Society, 2008.
6. Reviewer. *Information Systems*. Elsevier, 2008.
7. Reviewer. *Data and Knowledge Engineering*. Elsevier, 2008.
8. Reviewer. *Knowledge and Information Systems*. Springer, 2008.
9. Reviewer. *IEEE Transactions on Dependable and Secure Computing*. IEEE Computer Society, 2008.
10. Reviewer. *Information Systems*. Elsevier, 2007.
11. Reviewer. *International Journal of Web and Grid Services (IJWGS)*. Inderscience, 2007.
12. Reviewer. *Journal of Web Semantics*. Elsevier, 2006.
13. Reviewer. *Journal of Systems and Software*. Elsevier, 2006.
14. Reviewer. *ACM Journal on Transactions on Internet Technology*. ACM, 2006.
15. Reviewer. *Journal of Web Semantics. Special Issue on Semantic Grid*. Elsevier, 2006.

## PROGRAMME COMMITTEE

1. Program Committee. *International Semantic Web Conference In-Use Track*, Shanghai, China, November 2010.
2. Program Committee. *IEEE International Policies for Distributed Systems and Networks (POLICY 2010)*, George Mason University, USA, July 2010. IEEE Computer Society.
3. Program Committee. *Linking of User Profiles and Applications in the Social Semantic Web (LUPAS) at the Extended Semantic Web Conference (EWSC 2010)*, Heraklion, Greece, May 2010.
4. Program Committee. *18th International Conference on User Modeling, Adaptation and Personalization (Industry Track)*, Hawaii, USA, June 2010.
5. Program Committee. *Adaptation, Personalization and REcommendation in the Social-semantic Web (APRESW) at the Extended Semantic Web Conference (EWSC 2010)*, Heraklion, Greece, May 2010.
6. Program Committee. *24th AAI Conference on Artificial Intelligence (AI and the Web Track)*, Atlanta, Georgia, USA, July 2010.
7. Program Committee. *Extended Semantic Web Conference (ESWC) (Social Web Track)*, Heraklion, Greece, May 2010.
8. Program Committee. *International Conference on Grid and Pervasive Computing (GPC)*, Hualien, Taiwan, May 2010.
9. Program Committee. *25th Symposium On Applied Computing(SAC) Privacy on the Web Track*, Sierre, Switzerland, March 2010.
10. Program Committee. *User Data Interoperability in the Social Web (UDISW) at the International Conference on Intelligent User Interfaces (IUI 2010)*, Hong Kong, China, February 2010.
11. Program Committee. *4th Asian Semantic Web Conference*, Shanghai, China, December 2009.
12. Program Committee. *International Semantic Web Conference In-Use Track*, Washington, USA, October 2009.
13. Program Committee. *First International Workshop on Living Web: Making Web Diversity a true asset collocated with the 8th International Semantic Web Conference ISWC-2009*, Washington, USA, October 2009.
14. Program Committee. *European Workshop on Combining Context with Trust, Security, and Privacy, co-located with EuroPKI 2009 and ISC 2009*, Pisa, Italy, September 2009.
15. Program Committee. *Trust, Risk, Reputation and Recommendation on the Web (TR4WEB) in conjunction with 13th East-European Conference on Advances in Databases and Information Systems (ADBIS)*, Riga, Latvia, September 2009.
16. Program Committee. *Joint Workshop Context-Awareness Trust and Web 2.0 Trust (CAT09 2.0) co-located with 3rd IFIP WG 11.11 International Conference on Trust Management (IFIPTM'2009)*, Purdue, West Lafayette, USA, June 2009.
17. Program Committee. *European Semantic Web Conference In-Use Track*, Heraklion, Greece, June 2009.
18. Program Committee. *European Semantic Web Conference PhD Symposium*, Heraklion, Greece, June 2009.
19. Program Committee. *6th European Semantic Web Conference*, Lecture Notes in Computer Science, Crete, Greece, June 2009. Springer.
20. Program Committee. *International Conference on Grid and Pervasive Computing (GPC)*, Geneva, Switzerland, May 2009.

21. Program Committee. *5th Workshop on Semantic Web and Application Perspectives (SWAP)*, Roma, Italy, December 2008.
22. Program Committee. *3rd Asian Semantic Web Conference*, Bangkok, Thailand, December 2008.
23. Program Committee. *2nd International Workshop on Combining Context with Trust, Security, and Privacy (CAT'08) co-located with Joint iTrust and PST Conferences on Privacy, Trust Management and Security (IFIPTM'2008)*, Trondheim, Norway, June 2008.
24. Program Committee. *17th International World Wide Web Conference, Posters Track*, Beijing, China, April 2008.
25. Program Committee. *IEEE 11th International Conference on Computational Science and Engineering*, São Paulo, Brazil, July 2008. IEEE Computer Society.
26. Program Committee. *5th European Semantic Web Conference*, Lecture Notes in Computer Science, Tenerife, Spain, June 2008. Springer.
27. Program Committee. *European Semantic Web Conference PhD Symposium*, Tenerife, Spain, June 2008.
28. Program Committee. *International Conference on Grid and Pervasive Computing (GPC)*, Kunming, China, May 2008.
29. Program Committee. *4th ACM Symposium on Applied Computing (SAC) Trust, Recommendations, Evidence and other Collaboration Know-how (TRECK) Track*, Fortaleza, Brazil, March 2008.
30. Program Committee. *4th Italian Semantic Web Workshop on Semantic Web Applications and Perspectives (SWAP)*, Bari, Italy, December 2007.
31. Program Committee. *Berliner XML Tage 2007 (BXML'07)*, Berlin, Germany, September 2007.
32. Program Committee. *International Workshop on Combining Context with Trust, Security, and Privacy (CAT'07) co-located with Joint iTrust and PST Conferences on Privacy, Trust Management and Security (IFIPTM2007)*, Moncton, New Brunswick, Canada, July 2007.
33. Program Committee. *22nd AAAI Conference on Artificial Intelligence (special track on AI and the Web)*, Vancouver, Canada, July 2007.
34. Executive Peer-Reviewer. *Journal of Educational Technology and Society (endorsed by IEEE Technical Committee on Learning Technology)*, 2007.
35. Program Committee. *International Workshops on Electronic Games and Personalized eLearning Processes (EGAEL)*, Nijmegen, The Netherlands, July 2007.
36. Program Committee. *4th International Conference on Autonomic and Trusted Computing (ATC-07)*, Lecture Notes in Computer Science, Hong Kong, China, July 2007. Springer.
37. Program Committee. *4th European Semantic Web Conference*, Lecture Notes in Computer Science, Innsbruck, Austria, June 2007. Springer.
38. Program Committee. *International Conference on Grid and Pervasive Computing (GPC)*, Paris, France, May 2007.
39. Program Committee. *3rd Italian Semantic Web Workshop on Semantic Web Applications and perspectives (SWAP)*, Pisa, Italy, December 2006.
40. Program Committee. *International Conference on Parallel and Distributed Processing and Applications (ISPA 2006)*, Lecture Notes in Computer Science, Sorrento, Italy, December 2006. Springer.
41. Program Committee. *International Conference on Systems and Networks Communications (ICSNC06)*, Tahiti, French Polynesia, November 2006.

42. Program Committee. *7th IEEE International Conference on Grid Computing*, Barcelona, Spain, September 2006.
43. Program Committee. *Berliner XML Tage 2006 (BXML'06)*, Berlin, Germany, September 2006.
44. Program Committee. *Workshop on Security and Trust Management (STM) in conjunction with the 11th European Symposium On Research In Computer Security (ESORICS)*, Hamburg, Germany, September 2006.
45. Program Committee. *3th European Semantic Web Conference*, Lecture Notes in Computer Science, Budva, Montenegro, June 2006. Springer.
46. Program Committee. *IEEE International Symposium on Circuits and Systems (ISCAS 2006). Special session on Advances in semantic multimedia analysis for personalised content access*, Island of Kos, Greece, May 2006.
47. Program Committee. *Reasoning on the Web Workshop (RoW2006) in conjunction with the 15th International World Wide Web Conference*, Edinburgh, UK, May 2006.
48. Program Committee. *2nd Italian Semantic Web Workshop on Semantic Web Applications and perspectives (SWAP)*, Trento, Italy, December 2005.
49. Program Committee. *Semantic Web and Policy Workshop (SWPW) in conjunction with the 4th International Semantic Web Conference*, Galway, Ireland, November 2005.
50. Program Committee. *Berliner XML Tage 2005 (BXML'05)*, Berlin, Germany, September 2005.
51. Program Committee. *Workshop on Decentralized, Agent Based and Special Approaches to User Modelling (DASUM'05) in conjunction with the 10th International Conference on User Modelling*, Edinburgh, UK, July 2005.

#### **OTHER**

1. Lecturer. *Asian Semantic Web School*, Bangkok, Thailand, December 2008.
2. Lecturer. “*Rule-Based Policy Representation and Reasoning for the Semantic Web*” in the *Reasoning Web Summer School*, Dresden, Germany, September 2007.
3. Scientific Advisor. *KnowledgeWeb PhD Symposium*, Innsbruck, Austria, June 2007.
4. Referee. *8th IEEE International Workshop on Policies for Distributed Systems and Networks (POLICY 2007)*, Bologna, Italy, June 2007.
5. Lecturer. *Trust and Security in Learning Networks. In Learning Networks in Practice Conference, organized by the Master of Science programme in Active Learning and the Learning Technology Development Programme of the Educational Technology Expertise Centre. Open University Netherlands, Distance Learning*, May 2007.
6. Lecturer. “*Introduction to the Semantic Web*” in *The TENCompetence Winter School*, Innsbruck, Austria, January 2007.
7. Presenter. *RuleML International Conference Tutorial on Semantic Web Policies: Where are we and What is still missing?*, Athens, Georgia, USA, November 2006.
8. Referee. *2nd International Workshop on Automated Specification and Verification of Web Systems*, Cyprus, November 2006.
9. Scientific Advisor. *KnowledgeWeb PhD Symposium*, Budva, Montenegro, June 2006.
10. Presenter. *European Semantic Web Conference Tutorial on Semantic Web Policies: Where are we and What is still missing?*, Budva, Montenegro, June 2006.
11. Referee. *4th Workshop on Principles and Practice of Semantic Web Reasoning*, Lecture Notes in Computer Science, Budva, Montenegro, June 2006. Springer.

12. Referee. *4th International Semantic Web Conference*, Lecture Notes in Computer Science, Galway, Ireland, November 2005. Springer.
13. Referee. *International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML-2005)*, Galway, Ireland, November 2005.
14. Referee. *World Conference on ELearning in Corporate, Government, Healthcare, & Higher Education (ELearn)*, Vancouver, Canada, October 2005. Association for the Advancement of Computing in Education (AACE).
15. Referee. *Workshop on Peer-to-Peer Knowledge Management (P2PKM) colocated with the 2nd Annual International Conference on Mobile and Ubiquitous Systems: Networking and Services (MobiQuitous 2005)*, San Diego, US, July 2005.
16. Member of the Jury. *European Academic Software Award 2004 (EASA 2004)*, 2004.