

# Curriculum Vitae

Jos de Bruijn

August 9, 2010

## Abstract

Jos de Bruijn received his Ph.D. degree in Computer Science from the University of Innsbruck, Austria, in 2008 and his M.Sc. degree in Technical Informatics from the Delft, University of Technology, The Netherlands, in 2003.

Since 2010 he is employed as senior researcher at the Technical University of Vienna, Austria. His research interests include Knowledge Representation using Logics and Logic Programming technologies, Semantic Web (Services) languages, and Non-Monotonic Reasoning. He is (co-)author of 30+ peer-reviewed publications, including several books and journal publications.

He has taught courses about the Semantic Web in the Master curricula of the University of Innsbruck and the Free University of Bolzano, Italy.

He has been actively involved in the European projects COG, ASG, SEKT, DIP, Knowledge Web, and ONTORULE. He is an active member of the W3C RIF working group.

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## 1 Personals

**Name** de Bruijn

**First name** Jos

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## 2 Education

**2003 – 2008** PhD studies in Computer Science at the Digital Enterprise Research Institute (DERI), University of Innsbruck, Austria, under the supervision of Univ-Prof. Dr. Dieter Fensel.

Dissertation: Jos de Bruijn. *Semantic Web Language Layering with Ontologies, Rules, and Meta-Modeling*. Faculty of Mathematics, Computer Science and Physics of the University of Innsbruck, Innsbruck, Austria, 2008.

**1997 – 2003** Technical Informatics (Master Degree; with diploma), *Delft University of Technology*, Delft, The Netherlands

Major: *Database Systems*

Master thesis: Jos de Bruijn. *Semantic Information Integration Inside and Across Organizational Boundaries*, TU Delft, October, 2003.

**1991 – 1997** Secondary education (with diploma), *Praedinius-Gymnasium*, Groningen, The Netherlands

## 3 Professional career

**2010 – ongoing** Senior Researcher at the Knowledge-Based Systems group, Technical University of Vienna, Austria.

**2007 – 2010** Assistant-Professor at the Faculty of Computer Science, Free University of Bolzano, Italy

**2003 – 2007** Junior Researcher at the Digital Enterprise Research Institute, location University of Innsbruck, Austria

**2000 – 2002** Part-time Web Application Developer at Tam Tam BV, Delft, The Netherlands

## 4 Teaching

### 4.1 Lecture courses

Course *Semantic Web Technologies*, part of the European Master on Computational Logics Master at the Faculty of Computer Science at the Free University of Bozen/Bolzano, summer semesters 2006 and 2007; winter semesters 2007–2008, 2008–2009, and 2009–2010.

Course *Semantic Web*, part of the Master program at the Institute for Computer Science at the University of Innsbruck, summer semesters 2005 and 2006.

### 4.2 Tutorials

Tutorials as part of the *Telecooperation* course at the University of Innsbruck, summer semesters 2003, 2004.

## 5 Publications

### 5.1 Journal Articles

- [1] Jos de Bruijn, Thomas Eiter, Axel Polleres, and Hans Tompits. Embedding non-ground logic programs into autoepistemic logic for knowledge base combination. *ACM Transactions on Computational Logic*, 2010. To be published.
- [2] Jos de Bruijn and Stijn Heymans. Logical foundations of rdf(s) with datatypes. *Journal of Artificial Intelligence Research*, 38, 2010.
- [3] Jos de Bruijn, David Pearce, Axel Polleres, and Agustín Valverde. A semantical framework for hybrid knowledge bases. *Knowledge and Information Systems*, 2008. Accepted for publication.
- [4] Jos de Bruijn and Stijn Heymans. On the relationship between description logic-based and f-logic-based ontologies. *Fundamenta Informaticae*, 82(3):213–236, 2008.
- [5] Stijn Heymans, Jos de Bruijn, Livia Predoiu, Cristina Feier, and Davy Van Nieuwenborgh. Guarded hybrid knowledge bases. *Theory and Practice of Logic Programming, special issue on Logic Programming and the Web*, 8(3):411–429, May 2008.

- [6] Holger Lausen, Jos de Bruijn, Uwe Keller, and Ruben Lara. Semantic web services with wsmo. *Upgrade, European Journal for the Informatics Professional, Special issue on Web Services*, VII(5):34–37, 9 2006.
- [7] Jos de Bruijn, Dieter Fensel, Uwe Keller, and Rubén Lara. Using the web service modelling ontology to enable Semantic eBusiness. *Communications of the ACM, special issue on the semantic e-business vision*, 48(12):43–47, December 2005.
- [8] Jos de Bruijn, Rubén Lara, Sinuhé Arroyo, Juan Miguel Gomez, Sung-Kook Han, and Dieter Fensel. A unified semantic web services architecture based on WSMF and UPML. *International Journal on Web Engineering Technology*, 2(2–3):148–180, 2005.
- [9] Dumitru Roman, Uwe Keller, Holger Lausen, Jos de Bruijn, Rubén Lara, Michael Stollberg, Axel Polleres, Cristina Feier, Christoph Bussler, and Dieter Fensel. Web service modeling ontology. *Applied Ontology*, 1(1):77–106, 2005.

## 5.2 Books

- [10] Jos de Bruijn, Dieter Fensel, Uwe Keller, Mick Kerrigan, Holger Lausen, and James Scicluna. *Modeling Semantic Web Services – The Web Service Modeling Language*. Springer, 2008.
- [11] Dieter Fensel, Holger Lausen, Axel Polleres, Jos de Bruijn, Michael Stollberg, Dumitru Roman, and John Domingue. *Enabling Semantic Web Services – The Web Service Modeling Ontology*. Springer, 2006.
- [12] Vladimir Alexiev, Michael Breu, Jos de Bruijn, Rubén Lara, Holger Lausen, and Dieter Fensel. *Information Integration with Ontologies*. Wiley, West Sussex, UK, 2005.

## 5.3 Papers in Collections

- [13] Jos de Bruijn, Mick Kerrigan, Michal Zaremba, and Dieter Fensel. Semantic web services. In Steffen Staab and Rudi Studer, editors, *Handbook on Ontologies*, chapter 28. Springer, 2nd edition, 2009.
- [14] Mick Kerrigan and Jos de Bruijn. The web service modeling ontology (WSMO) and the web service modeling language (WSML). In Dieter Fensel, Mick Kerrigan, and Michal Zaremba, editors, *Implementing Semantic Web Services - The SESA Framework*. Springer, 2008.
- [15] Jos de Bruijn. Logics for the semantic web. In Jorge Cardoso, editor, *Semantic Web Services: Theory, Tools and Applications*. IDEA Publishing, 2007.

- [16] Jos de Bruijn, Marc Ehrig, Cristina Feier, Francisco Martín-Recuerda, François Scharffe, and Moritz Weiten. Ontology mediation, merging and aligning. In *Semantic Web Technologies*. Wiley, 2006.
- [17] Dumitru Roman, Jos de Bruijn, Adrian Mocan, Ioan Toma, Holger Lausen, Jacek Kopeck, Dieter Fensel, John Domingue, Stefania Galizia, and Liliana Cabral. Semantic web services - approaches and perspectives. In John Davies, Paul Warren, and Rudi Studer, editors, *Semantic Web Technologies: Trends and Research in Ontology-based Systems*. Wiley, 2006.
- [18] Jos de Bruijn and Dieter Fensel. Ontology definitions. In *Encyclopedia of Library and Information Science*. Marcel Dekker, inc., 2005.

#### 5.4 Papers in Proceedings

- [19] Jos de Bruijn and Martín Rezk. A logic based approach to the static analysis of production systems. In *3rd International Conference on Web Reasoning and Rule Systems (RR 2009)*, pages 254–268, Chantilly, VA, USA, 2009.
- [20] Jos de Bruijn and Stijn Heymans. Complexity of the stable model semantics for queries on incomplete databases. In *Proceedings of the 10th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR2009)*, Potsdam, Germany, September 14–18 2009.
- [21] İnanç Seylan, Enrico Franconi, and Jos de Bruijn. Effective query rewriting with ontologies over dboxes. In *Proceedings of the 21st International Joint Conference on Artificial Intelligence (IJCAI2009)*, Pasadena, CA, USA, July 11–17 2009.
- [22] Jos de Bruijn, Thomas Eiter, and Hans Tompits. Embedding approaches to combining rules and ontologies into autoepistemic logic. In *Proceedings of the 11th International Conference on Principles of Knowledge Representation and Reasoning (KR2008)*, pages 485–495, Sydney, Australia, September 16–19 2008.
- [23] Jos de Bruijn, David Pearce, Axel Polleres, and Agustín Valverde. Quantified equilibrium logic and hybrid rules. In *Proceedings of the 1st International Conference on Web Reasoning and Rule Systems (RR2007)*, pages 58–72, Innsbruck, Austria, June 7–8 2007. Springer.
- [24] Jos de Bruijn and Stijn Heymans. Logical foundations of (e)RDF(S): Complexity and reasoning. In *Proceedings of the 6th International Semantic Web Conference and 2nd Asian Semantic Web Conference (ISWC2007+ASWC2007)*, number 4825 in Lecture Notes in Computer Science, pages 86–99, Busan, Korea, November 2007. Springer.
- [25] Jos de Bruijn and Stijn Heymans. RDF and logic: Reasoning and extension. In *Proceedings of the 6th International Workshop on Web Semantics (WebS*

- 2007), in conjunction with the 18th International Conference on Database and Expert Systems Applications (DEXA 2007), Regensburg, Germany, September 3–7 2007. IEEE Computer Society Press.
- [26] Jos de Bruijn and Stijn Heymans. A semantic framework for language layering in WSML. In *Proceedings of the 1st International Conference on Web Reasoning and Rule Systems (RR2007)*, pages 103–117, Innsbruck, Austria, June 7–8 2007. Springer.
  - [27] Jos de Bruijn, Thomas Eiter, Axel Polleres, and Hans Tompits. Embedding non-ground logic programs into autoepistemic logic for knowledge-base combination. In *Proceedings of the 20th International Joint Conference on Artificial Intelligence (IJCAI2007)*, Hyderabad, India, January 6–12 2007. AAAI Press.
  - [28] Martin Hepp and Jos de Bruijn. GenTax: A generic methodology for deriving OWL and RDF-S ontologies from hierarchical classifications, thesauri, and inconsistent taxonomies. In *Proceedings of the 4th European Semantic Web Conference (ESWC2007)*, number 4519 in Lecture Notes in Computer Science, pages 129–144, Innsbruck, Austria, June 2007. Springer.
  - [29] Jos de Bruijn, David Pearce, Axel Polleres, and Agustín Valverde. A logic for hybrid rules. In *Proceedings of the Ontology and Rule Integration Workshop at the 2nd International Conference on Rules and Rule Markup Languages for the Semantic Web*, Athens, Georgia, USA, November 11 2006.
  - [30] Jos de Bruijn, Holger Lausen, Axel Polleres, and Dieter Fensel. The web service modeling language: An overview. In *Proceedings of the 3rd European Semantic Web Conference (ESWC2006)*, number 4011 in Lecture Notes in Computer Science, pages 590–604, Budva, Montenegro, June 2006. Springer.
  - [31] Jos de Bruijn and Stijn Heymans. Translating ontologies from predicate-based to frame-based languages. In *Proceedings of the 2nd International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML2006)*, Athens, Georgia, USA, November 10-11 2006. IEEE Computer Society Press.
  - [32] Jos de Bruijn, Thomas Eiter, Axel Polleres, and Hans Tompits. On representational issues about combinations of classical theories with nonmonotonic rules. In *Proceedings of the 1st International Conference on Knowledge Science, Engineering and Management (KSEM2006)*, number 4092 in Lecture Notes in Artificial Intelligence, pages 1–22, Guilin, China, August 5-8 2006. Springer.
  - [33] Stijn Heymans, Livia Predoiu, Cristina Feier, Jos de Bruijn, and Davy Van Nieuwenborgh. G-hybrid knowledge bases. In *Proceedings of the ICLP'06 Workshop on Applications of Logic Programming in the Semantic Web and*

*Semantic Web Services (ALPSWS2006)*, volume 196, pages 39–54, Seattle, Washington, USA, August 16 2006. CEUR Workshop Proceedings.

- [34] Jos de Bruijn, Axel Polleres, Rubén Lara, and Dieter Fensel. OWL DL vs. OWL Flight: Conceptual modeling and reasoning on the semantic web. In *Proceedings of the 14th International World Wide Web Conference (WWW2005)*, pages 623–632, Chiba, Japan, 2005. ACM Press.
- [35] Jos de Bruijn, Enrico Franconi, and Sergio Tessaris. Logical reconstruction of RDF and ontology languages. In *Proceedings of the 3rd Workshop on Principles and Practice of Semantic Web Reasoning (PPSWR2005)*, number 3703 in Lecture Notes in Computer Science, Dagstuhl, Germany, September 2005. Springer.
- [36] Jos de Bruijn, Enrico Franconi, and Sergio Tessaris. Logical reconstruction of normative RDF. In *OWL: Experiences and Directions Workshop (OWLED-2005)*, Galway, Ireland, November 2005.
- [37] Jos de Bruijn, Holger Lausen, Axel Polleres, and Dieter Fensel. The WSML rule languages for the semantic web. In *Proceedings of the W3C Workshop on Rule Languages for Interoperability*, Washington DC, USA, April 2005. Position paper.
- [38] Michael Kifer, Jos de Bruijn, Harold Boley, and Dieter Fensel. A realistic architecture for the semantic web. In *Proceedings of the 1st International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML2005)*, number 3791 in Lecture Notes in Computer Science, pages 17–29, Galway, Ireland, November 2005. Springer.
- [39] Holger Lausen, Jos de Bruijn, Axel Polleres, and Dieter Fensel. WSML - a language framework for semantic web services. In *Proceedings of the W3C Workshop on Rule Languages for Interoperability*, Washington DC, USA, April 2005. Position paper.
- [40] François Scharffe and Jos de Bruijn. A language to specify mappings between ontologies. In *Proceedings of the 1st International Conference on Signal-Image Technology and Internet-Based Systems (SITIS2005)*, Yaoundé, Cameroon, November 2005. Dicolor Press.
- [41] Jos de Bruijn. Semantic integration of disparate data sources in the cog project. In *Proceedings of the 6th International Conference on Enterprise Information Systems (ICEIS2004)*, Porto, Portugal, 2004. ICEIS Press.
- [42] Jos de Bruijn and Holger Lausen. Active ontologies for data source queries. In *Proceedings of the 1st European Semantic Web Symposium (ESWS2004)*, number 3053 in Lecture Notes in Computer Science, Heraklion, Greece, 2004. Springer.

- [43] Rubén Lara, Holger Lausen, Sinuhé Arroyo, Jos de Bruijn, and Dieter Fensel. Semantic web services: description requirements and current technologies. In *International Workshop on Electronic Commerce, Agents, and Semantic Web Services*, Pittsburg, PA, USA, September 2003.

## 5.5 Selected Technical Reports

- [44] Jos de Bruijn. RIF RDF and OWL compatibility. Working Draft 30 July 2008, W3C, 2008.
- [45] Jos de Bruijn. WSML abstract syntax and semantics. Final Draft d16.3, WSML Working Group, 2008.
- [46] Jos de Bruijn and Stijn Heymans. WSML ontology semantics. Final Draft d28.3, WSML Working Group, 2007.
- [47] Jos de Bruijn, Axel Polleres, Rubén Lara, and Dieter Fensel. OWL<sup>-</sup>. Final draft d20.1v0.2, WSML, 2005.
- [48] Jos de Bruijn, Holger Lausen, Reto Krummenacher, Axel Polleres, Livia Predoiu, Michael Kifer, and Dieter Fensel. The web service modeling language WSML. WSML Final Draft D16.1v0.21, WSML, 2005.
- [49] Jos de Bruijn and Axel Polleres. Towards an ontology mapping specification language for the semantic web. Technical Report DERI-2004-06-30, DERI, 2004.
- [50] Jos de Bruijn, Douglas Foxvog, and Kerstin Zimmerman. Ontology mediation patterns library v1. Deliverable D4.3.1, SEKT, 2004.
- [51] Jos de Bruijn, Francisco Martín-Recuerda, Dimitar Manov, and Marc Ehrig. State-of-the-art survey on ontology merging and aligning v1. Deliverable D4.2.1, SEKT, 2004.
- [52] Jos de Bruijn, Francisco Martín-Recuerda, Axel Polleres, Livia Predoiu, and Marc Ehrig. Ontology mediation management v1. Deliverable D4.4.1, SEKT, 2004.
- [53] Jos de Bruijn. Using ontologies - enabling knowledge sharing and reuse on the semantic web. Technical Report DERI-2003-10-29, DERI, 2003.

## 5.6 PhD Thesis

- [54] Jos de Bruijn. *Semantic Web Language Layering with Ontologies, Rules, and Meta-Modeling*. PhD thesis, Faculty of Mathematics, Computer Science and Physics of the University of Innsbruck, Innsbruck, Austria, 2008.

## 5.7 Master's Thesis

- [55] Jos de Bruijn. Semantic information integration within and across organizational boundaries. Master's thesis, Delft University of Technology, Delft, The Netherlands, November 2003.

## 5.8 Other Publications

- [56] Jürgen Angele, Harold Boley, Jos de Bruijn, Dieter Fensel, Pascal Hitzler, Michael Kifer, Reto Krümmeracher, Holger Lausen, Axel Polleres, and Rudi Studer. Web rule language (WRL). W3C Member Submission 09 September 2005, 2005.
- [57] Harold Boley, Jos de Bruijn, and Reto Krümmeracher. WRL XML schemas. W3C Member Submission 09 September 2005, 2005.
- [58] Jos de Bruijn, Christoph Bussler, John Domingue, Dieter Fensel, Martin Hepp, Uwe Keller, Michael Kifer, Birgitta König-Ries, Jacek Kopecky, Rubén Lara, Holger Lausen, Eyal Oren, Axel Polleres, Dumitru Roman, James Scicluna, and Michael Stollberg. Web service modeling ontology (WSMO). W3C Member Submission 3 June 2005, 2005.
- [59] Jos de Bruijn, Dieter Fensel, Pascal Hitzler, Michael Kifer, and Axel Polleres. Relationship of WRL to relevant other technologies. W3C Member Submission 09 September 2005, 2005.
- [60] Jos de Bruijn, Dieter Fensel, Uwe Keller, Michael Kifer Holger Lausen, Reto Krümmeracher, Axel Polleres, and Livia Predoiu. Web service modeling language (WSML). W3C Member Submission 3 June 2005, 2005.
- [61] Jos de Bruijn, Dieter Fensel, Michael Kifer, Jacek Kopecky, Rubén Lara, Holger Lausen, Axel Polleres, Dumitru Roman, James Scicluna, and Ioan Toma. Relationship of WSMO to other relevant technologies. W3C Member Submission 3 June 2005, 2005.

## 6 Further Activities

### 6.1 Working Groups

- Member of the W3C Rule Interchange Format (RIF) Working Group, since December 2005.
- Member of the ESSI Web Service Modeling Language (WSML) Working Group, since April 2004.
- Member of the ESSI Web Service Modeling Ontology (WSMO) Working Group, 2004–2007.

## 6.2 Workshop/Conference Organization

- Co-organizer of the *3rd International Workshop on Applications of Logic Programming to the (Semantic) Web and Web Services (ALPSWS2008)* co-located with *ICLP2008*, Udine, Italy, December 12, 2008.
- Publicity chair of the *Second International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML-2006)*, Athens, Georgia, USA, November 10-11, 2006.
- Co-organizer of the *International Workshop on Applications of Logic Programming in the Semantic Web and Semantic Web Services (ALPSWS2006)* co-located with the *Federated Logic Conference (FLOC2006)*, Seattle, Washington, August 16, 2006.
- Tutorial Chair of the *2nd European Semantic Web Conference (ESWC2005)* in Heraklion, Greece, May 29 – June 1, 2005.
- Local organizer of the *1st European Semantic Web Symposium (ESWS2004)*, Heraklion, Greece, May 10-12, 2004.

## 6.3 Program Committees

- Member of the Program Committee of the *Twenty-Fourth National Conference on Artificial Intelligence (AAAI-10)*, Atlanta, Georgia, USA, July 11 – 15, 2010.
- Member of the Program Committee of the *OWL: Experiences and Directions, 6th International Workshop (OWLED2009)*, Washington, DC, USA, October 2009.
- Member of the Program Committee of the *6th European Semantic Web Conference (ESWC2009)* in Heraklion, Greece, 31 May – 4 June 2009.
- Member of the Program Committee of the *22nd International Workshop on Description Logics (DL2009)*, Oxford, United Kingdom, 27–30 July 2009.
- Member of the Program Committee of the *IJCAI 2009 workshop on Graph Structures for Knowledge Representation and Reasoning (GKR 2009)*, Pasadena, California, USA, July 2009.
- Member of the Program Committee of the *Twenty-first International Joint Conference on Artificial Intelligence (IJCAI-09)*, Pasadena, California, USA, July 11–17, 2009.
- Member of the Program Committee of the *OWL: Experiences and Directions, 5th International Workshop (OWLED2008)*, Karlsruhe, Germany, October 26–27, 2008.

- Member of the Program Committee of the *International Workshop on Fuzzy Logic On the Web (FLOW 2008)* co-located with the *IEEE/WIC/ACM International Conferences on Web Intelligence and Intelligent Agent Technology (WI-IAT 2008)*, Sydney, Australia, December 2008.
- Member of the Program Committee of the *OWL: Experiences and Directions, 4th International Workshop (OWLED2008DC)*, Washington, DC, USA, April 1–2, 2008.
- Member of the Program Committee of the *Second International Conference on Web Reasoning and Rule Systems (RR2008)*, Karlsruhe, Germany, October 31 – November 2, 2008.
- Member of the Program Committee of the *5th European Semantic Web Conference (ESWC2008)* in Tenerife, Spain, June 1–5, 2008.
- Member of the Program Committee of the *AAAI 2008 Spring Symposium AI Meets Business Rules and Process Management* in Palo Alto, USA, March 24–26, 2008.
- Member of the Program Committee of the *2nd International Workshop on Applications of Logic Programming in the Web, Semantic Web and Web Services (ALPSWS2007)*, co-located with *ICLP2007* in Porto, Portugal, September 8, 2007.
- Member of the Program Committee of the *6th International Semantic Web Conference (ISWC2007)* in Busan, Korea, November 11–15, 2007.
- Member of the Program Committee of the *2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI-07)*, Silicon Valley, USA, November 2–5, 2007.
- Member of the Program Committee of the *Fourth International Workshop on Semantic Web for Services and Processes (SWSP 07)*, co-located with *ICWS'2007*, Salt Lake City, Utah, USA, July 9, 2007.
- Member of the Program Committee of the *First International Conference on Web Reasoning and Rule Systems (RR2007)*, Innsbruck, Austria, June 7–8, 2007.
- Member of the Program Committee of the *Special Track on Artificial Intelligence and the Web* of the *Twenty-second National Conference on Artificial Intelligence (AAAI-07)*, Vancouver, British Columbia, Canada, July 22 – 26, 2007.
- Member of the Program Committee of the *4th European Semantic Web Conference (ESWC2007)*, Innsbruck, Austria, June 3 – 7, 2007.

- Member of the Program Committee of the *1st international workshop Applications and Business Aspects of the Semantic Web SEBIZ2006* at the *5th International Semantic Web Conference* in Athens, Georgia, USA, November 6, 2006.
- Member of the Program Committee of the *5th International Semantic Web Conference* in Athens, Georgia, USA, November 5 – 9, 2006.
- Member of the Program Committee of the *First International Workshop on Ontologizing Industrial Standards (OIS2006)*, in conjunction with the *25th International Conference on Conceptual Modeling (ER2006)*, Tucson, Arizona, USA, November 6-9, 2006
- Member of the Program Committee of the *2006 IEEE/WIC/ACM International Conference on Web Intelligence (WI-06)*, Hong Kong, December 18–22, 2006.
- Member of the Program Committee of the conference *Semantics 2006*, Vienna, Austria, November 28–30, 2006.
- Member of the Program Committee of the *Second International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML-2006)*, Athens, Georgia, USA, November 9-10, 2006.
- Member of the Program Committee of *WWW/Internet 2006*, Murcia, Spain, October 5–8, 2006.
- Member of the Program Committee of the *12th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2006)*, Varna, Bulgaria, September 13–15, 2006.
- Member of the Program Committee of the *The Eighth International Conference on Electronic Commerce (ICEC06)*, Fredericton, New Brunswick, Canada, August 14-16, 2006.
- Member of the Poster/Demo Program Committee of the *3rd European Semantic Web Conference (ESWC2006)*, Budva, Montenegro, June 11 - 14, 2006.
- Member of the Program Committee of the *Semantic Web Services Challenge 2006*, Stanford University, USA, 2006.
- Member of the Program Committee of the *3rd European Semantic Web Conference (ESWC2006)*, Budva, Montenegro, June 11 - 14, 2006.
- Member of the Program Committee of the *Twenty-first National Conference on Artificial Intelligence (AAAI-06)*, Boston, USA, July 16-20, 2006.
- Member of the Program Committee of the *Second Canadian Semantic Web Symposium* in conjunction with the *19th Canadian Conference on Artificial Intelligence*, Quebec City, Canada, June 6, 2006.

- Member of the Program Committee of the workshop *Reasoning on the Web - RoW06*, at the *15th International World Wide Web Conference*, Edinburgh, Scotland, May 22, 2006.
- Member of the Program Committee of the *First International Workshop on Mediation in the Semantic Web and Semantic Web Services (MEDIATE 2005)* at the *3rd International Conference on Service Oriented Computing (ICSOC 2005)*, Amsterdam, The Netherlands, December 12, 2005.
- Member of the Program Committee of the *K-Cap Workshop on Integrating Ontologies* in Banff, Canada, October 2, 2005.
- Member of the Program Committee of the *4th International Semantic Web Conference* in Galway, Ireland, November 6 – 10, 2005.
- Member of the Program Committee of the *International Conference on Ontologies, Databases and Applications of SEMantics (ODBASE'05)* in Cyprus, October 31 – November 4, 2005.
- Member of the Program Committee of the *2nd International Conference on Grid Services Engineering and Management (GSEM'05)* in conjunction with the *6th International Conference Net.ObjectDays 2005 (NODE'05)* in Erfurt, Germany, September 19-22, 2005.
- Member of the Program Committee of the *6th Annual International Conference on Object-Oriented and Internet-based Technologies, Concepts, and Applications for a Networked World, Net.ObjectDays (NODE'05)*, Erfurt, Germany, September 19–22, 2005.
- Member of the Program Committee of the *2005 IEEE/WIC/ACM International Conference on Web Intelligence (WI-2005)* in Compiègne University of Technology, France, September 19–22, 2005.
- Member of the Program Committee of the *International Work Conference on Next Generation Web Services Practices (NGWSP'05)* in Seoul, Korea, August 23–26, 2005.
- Member of the Program Committee of the *1st International Workshop Ontologies for Networked Systems (ONS2004)* in conjunction with the *5th International Conference on Web Information Systems Engineering (WISE 2004)* in Brisbane, Australia, November 22, 2004.
- Member of the Program Committee of the *International Conference on Grid Services Engineering and Management (GSEM'04)* in conjunction with the *5th International Conference Net.ObjectDays 2004 (NODE'04)* and the *2nd International Conference on Web Services – Europe 2004 (ICWS-Europe'04)* in Erfurt, Germany, September 27-30, 2004.
- Member of the Program Committee of the *5th International Conference Net.ObjectDays 2004 (NODE'04)*, Erfurt, Germany, September 27-30, 2004.

## **6.4 Referee of International Journals**

- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- Data and Knowledge Engineering (DKE)
- IEEE Intelligent Systems (IEEE IS)
- International Journal of Web Services Research (JWSR)
- Journal of Web Semantics (JWS)
- Journal of Computer and System Sciences (JCSS)
- AI Communications