

Curriculum Vitae
of
Dr. habil. Matthias Klusch



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1. Personal Data

First & Last Name: Matthias Klusch

Address (office): Deutsches Forschungszentrum für Künstliche Intelligenz GmbH
Stuhlsatzenhausweg 3, 66123 Saarbrücken, Germany
Phone: +49-681-302-5297; Fax: +49-681-302-2235
E-Mail: klusch@dfki.de
Web: <http://www.dfki.de/~klusch/>

Address (private): Max-Braun-Str. 34
66121 Saarbrücken, Germany
Phone & Fax: +49-681-8317676 (AB)

Born: 19.4.1965 in Berlin-Charlottenburg, Germany

Nationality: German

2. Education

2009 Habilitation in Computer Science (Privat-Dozent, PD, Dr. habil.) from the University of the Saarland, Saarbrücken, Germany. Commission: Profs. M. Backes, W. Decker, M. Fuchs, M. Hein, J. Siekmann (Mentor), P. Slusallek, H. Uszkoreit, W. Wahlster, G. Weikum (Chair)

1997 Ph.D. (Promotion, Dr. rer. nat.) in Computer Science from the Christian-Albrechts-University of Kiel, Kiel, Germany. Reviewers: Profs. P. Kandzia, H. Langmaack.

1992 M.Sc. (Diploma, Dipl.-Inform.) in Computer Science from the Christian-Albrechts-University of Kiel, Kiel, Germany.

1987 B.Sc. (Vordiplom) in Computer Science from the Christian-Albrechts-University of Kiel, Kiel, Germany.

1985 – 1992 Studies of Computer Science and Mathematics at the Institute for Computer Science and Applied Mathematics of the Christian-Albrechts-University of Kiel, Kiel, Germany.

1984 A-Level General Certificate of Education (Abitur) from the Secondary School “Herder Gymnasium” in Rendsburg, Germany

3. Career and Employment

- Since 4/2008 **Adjunct Professor**
Swinburne University of Technology, Faculty of Information and Communication Technologies, Department of Computer Science and Software Engineering. Melbourne, Australia
- Since 2004 **Co-Head of DFKI Research Group** for Multiagentsystems
- Since 4/1999 **Senior Researcher**
German Research Center for Artificial Intelligence (DFKI), Research Department for Agents and Simulated Reality. Saarbrücken, Germany
- 3/2000 – 3/2002 **Assistant Professor** (Universiteits Docent, TUD)
Vrije Universiteit Amsterdam, Faculty of Sciences, Department of Artificial Intelligence. Amsterdam, The Netherlands
- 1/1998 – 12/1998 **Postdoctoral Research Fellow**
Carnegie Mellon University, School of Computer Science, Robotics Institute. Pittsburgh, USA
- 4/1997 – 4/1999 **Assistant Professor (Wissenschaftlicher Assistent, C1)**
Chemnitz University of Technology, Department of Systems for Data Management. Chemnitz, Germany
- 10/1992 – 4/1997 **Teaching and Research Assistant**
Christian-Albrechts-University of Kiel, Institute for Informatics and Applied Mathematics, Department of Systems for Information Management. Kiel, Germany

4. Awards

- 7/2003 **DFKI Research Fellow**
Awarded by board of scientific directors of DFKI “in recognition of outstanding scientific contributions, and services for the DFKI.”
- 1/2008 **Nominee for the ACM SIGART 2008 Award for Excellence in Autonomous Agents Research.**
- 9/2005 **MATES 2005 Conference Best Paper Award**
3rd German Conference on Multiagent System Technologies, Koblenz, Germany

5. Research Visits

4/2009 – 5/2009

Swinburne University of Technology, Melbourne, Australia.

Invited visit to the Swinburne Faculty of Information and Communication Technologies, Centre for Complex Software Systems and Services (CS3) headed by professor Ryszard Kowalczyk. Joint research on high-performance hybrid semantic service selection, and lectures.

3/2000 - 3/2002

Vrije Universiteit Amsterdam, Amsterdam, The Netherlands.

2-years contracted employment in the position of a part-time assistant professor (TUD) of the faculty of sciences. Lecturing and joint research in the domain of cooperative information agents and systems at the department of Artificial Intelligence headed by professor Jan Treur.

1/1998 - 12/1998

Carnegie Mellon University, Pittsburgh, USA.

1-year contracted employment in the position of a visiting research scientist / postdoctoral research fellow of the Robotics Institute (CMU staff member) for working in the Intelligent Software Agents Group headed by professor Katia Sycara. Employment grant of CMU exchange program P-1-1292. Joint research on intelligent agent-based service mediation in the Internet.

6. Other Activities

1984 - 1985

German Military Service (Grundwehrdienst, W15)

1987 - 1991

Business internships with salary

- 26.8.-4.10.1991: Siemens AG, München
Zentralabteilung Forschung und Entwicklung
- 24.7.-1.9.1989: Siemens AG, München
Zentralabteilung Forschung und Entwicklung
- 25.7.-2.9.1988: Siemens AG, München
Unternehmensbereich Nachrichten- und Sicherheitstechnik
- 3.8.-11.9.1987: Siemens AG, München
Werk Induktivitäten und Keramische Produkte, Technische
Entwicklung Kerne/Ferrite.

7. Scientific Research Coordination

Coordination of Research Groups

- Co-Head of the Multiagent Systems Group (MAS) with focus on Intelligent Information Systems (I2S) as part of the Department of Agents and Simulated Reality (ASR) headed by Prof. P. Slusallek at DFKI in Saarbrücken;
<http://www.dfki.de/~kluschi/i2s>

The research group (MAS) has actually 25 members including seniors, PhD and master students and research assistants, its research focus team I2S has 14 members.

- Co-Coordinator of the AgentLink III Technical Forum Group on Intelligent Information Agents for Web Economies; 2004
- Coordinator of the European Special Interest Group on Intelligent Information Agents as part of the European Coordinating Action for Agent-Based Computing (AgentLink, AgentLink II), 1998 – 2003.
- Coordinator of 10 international working groups in the project Agentcities.NET (2001 – 2003, European Commission, FP5, CA, Take-up for Agentcities.RTD) at DFKI

Coordination of Research Projects

- Scientific co-/coordinator of following funded national, regional and industry research projects at DFKI:
 - ISReal (2009-2012, BMB+F, Intelligent simulation of realities)
 - MODEST (2008, BMB+F, Model-driven agents for semantic Web services)
 - SCALLOPS (2004–2007, BMB+F, Secure agent based pervasive computing)
 - SEMAS (2001–2003, BMB+F, Secure Multi-Agent Systems)
 - AGRICOLA, AGRICOLA-2 (2001 – 2003; 2006, Saarland government)
 - CASA (2000–2002, Saarland government)
 - AITelcom: A Study on AI Technologies for Telecommunication Applications (2000–2001, Alcatel AG, Germany)
 - SAP-AEP: Agents for E-Business and Dynamic Pricing (1999–2000, SAP Retail Solutions, Germany)
- Project management board member of following funded European projects:
 - AT (2008–2012, European Commission FP7 COST, Agreement Technologies)

- CASCOM (2003–2007, European Commission, FP6, Coordination of Mobile Semantic Web Services)
- Agentcities.RTD (2001–2003, European Commission, FP5, Network of Agent Based Services Across Europe and the World)
- AgentCities.NET (2001–2003, European Commission, FP5, CA, Take-up for Agentcities.RTD, Network of Excellence)
- AgentLink I – III (1998–2003; European Coordinating Action for Agent-Based Computing)

Research Fund Raising

I have been involved in the acquisition of research grants for projects, PhD student scholarships, and sponsorships of scientific events funded by different sources as follows.

Research projects funded by the European Commission:

AT - Agreement Technologies

Amount of Funding: 0.5 MEUR

Source: EC COST Action IC0801

Duration: 8/2008 – 6/2012

Coordination: Universidad Rey Juan Carlos (Spain), Partners: Open scheme.

DFKI personnel: Klusch (Management Committee Member)

Objectives: http://www.cost.esf.org/index.php?id=110&action_number=IC0801

This action aims at coordinating national efforts on a new paradigm for next generation distributed systems, based on the concept of agreement between negotiating computational agents..

CASCOM - Context-Aware Business Application Service Coordination in Mobile Computing Environments

Amount of Funding: 2.7 MEUR

Source: EC IST FP6 Specific targeted research project (STREP)

Duration: 9/2004 – 9/2007, cost neutral prolongation to 12/2007.

Coordination: DFKI

DFKI personnel: Klusch (Scientific Co-ordinator, Management Committee Member),

Partners: DFKI, TeliaSonera, ADETTI, EMA Group, URJC, UBasel, EPFL, FrameTech

Objectives: <http://www.ist-cascom.org>

To implement, validate, and trial a value-added supportive infrastructure for Semantic Web based business application services across mobile and fixed networks.

Agentcities.RTD

Amount of Funding: 2.47 MEUR

Source: EC IST FP5 research project

Duration: 6/2001 – 6/2003

Coordination: Motorola France, Partners: 15

DFKI personnel: Klusch (Management Committee Member)

Objectives: <http://www.agentcities.org/EURTD/>

To create an on-line, distributed test bed to explore and validate the potential of agent technology for future dynamic service environments.

AgentCities.NET

Amount of Funding: 1.2 MEUR

Source: EC IST FP5 Network of Excellence

Duration: 11/2001 – 10/2003

Coordination: DFKI, Partners: 4 (Motorola, BT, EPFL, UPC)

DFKI personnel: Klusch (Work Package WP6 leader: Coordination of 10 working groups of the network; Management Committee Member)

Objectives: <http://www.agentcities.org/EUNET/>

To create an open dynamic service environment based on Agent technology and make it accessible to potential users. Take-up action; European Network of Excellence.

Research projects funded by the National Government:

National projects of DFKI funded by the German ministry for education and research (BMB+F) are to be approved and annually evaluated by the international scientific advisory board of the DFKI.

ISReal – Intelligently Simulated Reality

Amount of Funding: 1.45 MEUR

Source: BMB+F

Duration: 1/2009 – 12/2011

Cooperation Partners: EADS, Swinburne U, et al.

DFKI personnel: Klusch, Fischer, Hoffman, Demme (PC); 4 researchers, additional MSc students

MODEST

Model-Driven Agents for Semantic Web Services

Source: BMB+F

Duration: 1/2008 – 12/2008

Cooperation Partners: Sairstahl AG, Swinburne U, URJC

DFKI personnel: Klusch, Fischer (PM); 1 PhD student, additional MSc students

Funding: ca 245 KEUR

SCALLOPS

Secure Agent Based Pervasive Computing

Source: BMB+F

Duration: 3/2004 – 12/2006; Prolongations 1/2007 – 6/2007, 7/2007 – 12/2007

DFKI personnel: Klusch, Hutter (PM); 2 PhD students; additional MSc students

Funding: 1.45 MEUR

Objectives: <http://www.dfki.de/scallops>

To develop a coherent, methodological framework for the design and implementation of secure agent-based pervasive computing applications. Basic research is on innovative means for flexible agent-coordinated semantic Web service discovery and composition, and effective data and service privacy enforcement in open, large scale pervasive computing environments.

SEMAS

Secure Multi-Agent Systems

Source: BMB+F

Duration: 1/2001 – 12/2003

DFKI personnel: Fischer, Klusch, Hutter (PM); 2 PhD students; additional MSc students

Funding: ca 700 KEUR

Objectives: To provide a specific methodology for the design and implementation of secure mobile multi-agent systems particularly in the domain of virtual marketplaces.

Research projects funded by the Government of the Saarland

AGRICOLA-2

Source: Saarland Ministry of Environment (MfU)

Duration: 1/2006 – 7/2007

Coordination: DFKI, Partners: Maschinenring des Saarlandes eV

DFKI Personnel: Klusch (PM), 1 Software Engineer, Advisor (MfU)

Funding: 80 KEUR

Objective: Realisation and limited field test of the prototyped AGRICOLA system.

AGRICOLA

Source: Saarland Ministry of Environment (MfU)

Duration: 1/2002 – 3/2003

Coordination: DFKI, Partners: Maschinenring des Saarlandes eV

DFKI Personnel: Klusch (PM), 1 PhD student; additional MSc students

Funding (DFKI share): 245.4 KEUR

Objective: Development and prototypical implementation of an agent based system AGRICOLA for dynamic resource allocation for cereal harvesting in the Saarland region. This includes the use of mobile computing and communication devices.

CASA

Source: Saarland Ministry of Environment (MfU); Saarland Ministry of Economics

Duration: 1/2000 – 12/2002

Coordination: DFKI, Partners: TrendPlus AG, Deutsche Telekom AG

DFKI Personnel: Klusch (PM), 1 PhD student, Advisor (MfU); additional MSc students .

Funding (DFKI share): 240 KEUR

Objective: Development and prototypical implementation of an agent based system for integrated mobile services for dynamic timber production planning and trading.

Projects funded by Industry

The industrial project grants amount to approximately 200keur.

AITelcom

A Study on AI Technologies for Telecommunication Applications; 2000 – 2001
Funded by Alcatel AG Stuttgart, Germany

SAP-AEP

Agents for E-Business and Dynamic Pricing; 11/1999 – 11/2000
Funded by SAP Retail Solutions, Germany

PhD Scholarships:

- 2003 – 2007: Ph.D. Scholarship funded by the Brazilian student exchange office CAPES for conducting doctoral studies at the University of the Saarland and DFKI; scholarship holder: Josenildo C. Da Silva; ca. 48 KEUR
- 2004 – 2008: Ph.D. Scholarship funded by the Brazilian student exchange office CAPES for conducting doctoral studies at the University of the Saarland and DFKI; scholarship holder: Helena P. Nunes (2004 – 2005); ca. 48 KEUR

Sponsorships of scientific events:

In my role as co-/chair of scientific conferences, workshops, and training events, I have also raised funds from different sources for sponsoring best paper awards, system awards, student travel grants, and others. Selected sponsors from industry were Whitestein Technologies, TeliaSonera A/B, Siemens AG, Nokia, Deutsche Telekom AG, Elsevier Science, IBM Research Israel, Swiss Life AG, AutoDesk Inc., Daimler-Chrysler AG, National e-Science Institute Edinburgh, NASA Goddard Space Flight Center. Selected scientific organisations were IFMAS International Foundation for Multi-Agent Systems, German Computer Society (GI), AEPIA Spanish Association for Artificial Intelligence, AISB (UK), and IEEE computer society standards committee FIPA.

Project Reviewer of Science Funding Institutions

I am project reviewer of the following national science research funding institutions:

- Natural Sciences and Engineering Research Council of Canada (**NSERC**), since 2007.
- Chinese Research Grants Council (**RGC**) Hongkong. Since 2004
- Italian Ministry of Education and Research - Italian Ministero dell'Università e della Ricerca (**MIUR**). Since 2004
- Netherlands Organization for Scientific Research (**NWO**). Since 2003
- Switzerland National Science Fund - Schweizerischer Nationalfonds zur Förderung der wissenschaftlichen Forschung (**FNSNF**). Since 2003
- Austrian National Science Fund - Österreichischer Wissenschaftsfond (**FWF**). Since 2002

8. Scientific Community Services

Editorial Board Memberships

I am editorial board member of the following scientific journals.

1. International Journal of Cooperative Information Systems (**IJCIS**), World Scientific. Since 2002. <http://www.worldscinet.com/ijcis/ijcis.shtml>
2. International Journal of Web Semantics: Science, Services, and Agents on the Web (**WebSem**), Elsevier Science. Since 2007. http://www.elsevier.com/wps/find/journaldescription.cws_home/671322/description#description
3. International Journal of Semantic Web and Information Systems (**SWIS**), IGI Global. Since 2007. <http://www.ijswis.org/>
4. International Journal of Web Intelligence and Agent Systems (**WIAS**), IOS Press. Since 2003. <http://www.iospress.nl/loadtop/load.php?isbn=15701263>
5. International Journal of Applied Decision Sciences (**ADS**), InderScience. Since 2008. <http://www.inderscience.com/browse/index.php?journalID=283>
6. International Journal of Knowledge and Information Systems (**KAIS**), Springer; 2001 - 2009. <http://www.cs.uvm.edu/~kais/>
7. International Electronic Transactions on Artificial Intelligence (**ETAI**), Area: Semantic Web, 2000 – 2001. <http://www.ida.liu.se/ext/etai/>

Organisation of Scientific Events and Series

I am involved in the organisation of scientific events and series as follows.

Series

- Co-founder and steering committee member of the German conference series on Multiagent System Technologies (MATES), since 2003. <http://www.dfki.de/~klusch/mates-series/>

- Founder and general chair of the international annual workshop series on Cooperative Information Agents (CIA) from 1997 to 2008. This series has been ranked 55 from 620 conferences in Artificial Intelligence (www.cs-conference-ranking.org), as of July 24, 2008). <http://www.dfki.de/~klusch/IWS-CIA-home.html>
- Coordinator of the International Semantic Service Selection Contest (S3), since 2007. <http://www.dfki.de/~klusch/s3/>

Conferences

- Program Committee Vice Chair of the 6th European Semantic Web Conference (ESWC), Heraklion, Greece, 2009
- Program Co-Chair of the IEEE International Conference on Web Intelligence (WI), Sydney, Australia, 2008
- Program Vice Chair of the 6th International Semantic Web Conference (ISWC), Busan, Korea, 2007
- General Chair of the 5th German Conference on Multiagent System Technologies (MATES), 2007
- Program Co-Chair of the IEEE International Conference on Intelligent Agent Technology (IAT), Silicon Valley, USA, 2007
- Program Co-Chair of the IEEE International Conference on Intelligent Agent Technology (IAT), Hong Kong, China, 2006
- General Chair of the 3rd German Conference on Multiagent System Technologies (MATES), Koblenz, 2005
- Vice Program Committee Chair of the 4th IEEE/ACM Conference on Web Intelligence (WI), Compiègne, France, 2005
- Publicity Chair of the 4th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2005), 2005
- Vice Program Committee Chair of the 4th International IEEE Conference on Intelligent Agent Technology (IAT 2004), October, China, 2004
- Program Co-Chair of the 3rd International IEEE Conference on Intelligent Agent Technology (IAT 2003), October, Canada, 2003

- Program Co-Chair of the 1st German Conference on Multiagent System Technologies (MATES), Erfurt, Germany, September 22 - 25, 2003

Workshops

- General chair of the international workshops on cooperative information agents:
 - 1997, Kiel, Germany
 - 1998, Paris, France (@ Agents' World conference)
 - 1999, Uppsala, Sweden
 - 2000, Boston, USA (@ ICMAS 2000 conference)
 - 2001, Modena, Italy
 - 2002, Madrid, Spain
 - 2003, Helsinki, Finland
 - 2004, Erfurt, Germany (@ Net.Object Days 2004 multiconference)
 - 2005, Koblenz, Germany (@ MATES / KI 2005 conference)
 - 2006, Edinburgh, UK
 - 2007, Delft, The Netherlands
 - 2008, Prague, Czech Republic

This workshop series has been top-ranked 55 from 620 considered conferences in the domain Artificial Intelligence / Machine Learning with an EIC value (Estimated Impact of Conference; normalized to be in the range 0.00-1.00 - the closer the number to 1.00, the better the conference) of 0.55. Source: www.cs-conference-ranking.org/conferencerankings/ (Topics II, status as of July 21, 2008)

- Co-Chair of the 6th International Workshop on Service-Oriented Computing: Agents, Semantics, and Engineering (SOCASE) at the AAMAS 2008 Conference, Portugal, 2008.
- Co-Chair of the 1st International Joint Workshop on Service Matchmaking and Resource Retrieval in the Semantic Web (SMR2), 2007
- Co-Chair of the international AAAI Workshop on Coalition Formation in Dynamic Multiagent Environments, July 28 - 29, USA, 2002
- Co-Chair of the International Workshop on Knowledge Representation Meets Databases (KRDB) at the ECAI 2000 Conference in Berlin, August 2000
- Co-Chair of the 1st German Joint Workshop on DAI, Databases and Information Retrieval (VDI), Chemnitz, April 1998

Summer School and Information Days

- Co-Chair of the European 3rd Agentcities Information Days, Barcelona, Spain, February 6-8, 2003
- Local Co-Chair of the 2nd European Summer School on Agent-Based Systems (EASSS 2000), Saarbrücken, August 14 – 18, 2000

Program Committee Memberships

My membership of program committees of conferences and workshops are listed in chronological order and sorted by relevant major research areas.

Conferences

Semantic Web

1. 4th Asian Semantic Web Conference (**ASWC**), Shanghai, China, 2009
2. 8th International Semantic Web Conference (**ISWC**), Washington DC, USA, 2009
3. 1st International Conference on Semantic Systems (**i-Semantics**), Graz, Austria, 2009
4. 7th International Semantic Web Conference (**ISWC**), Karlsruhe, Germany, 2008
5. 3rd Asian Semantic Web Conference (**ASWC**), Thailand, 2008.
6. 5th European Conference on Semantic Web Services (**ESWC**), Tenerife, Spain, 2008.
7. 4th European Conference on Semantic Web Services (**ESWC**), Innsbruck, Austria, 2007
8. 5th International Semantic Web Conference (**ISWC**), Athens, USA, 2006.
9. 3rd European Semantic Web Conference (**ESWC**), Budva, Montenegro, 2006.
10. 4th International. Semantic Web Conference (**ISWC**), Galway, Ireland, 2005.
11. 3rd International Semantic Web Conference (**ISWC**), Hiroshima, Japan, November 2004
12. 2nd Intl. Semantic Web Conference (**ISWC**), Sundial Resort, Sanibel Island, Florida, USA, 2003

Agent-Based Computing

13. 9th International Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), Toronto, Canada, 2010
14. 8th International Conference on Practical Applications of Agents and Multi-Agent Systems (**PAAMS**), Salamanca, Spain, 2010
15. 2nd International Conference on Agents and Artificial Intelligence (**ICAART**), Valencia, Spain, 2010
16. 7th International Conference on Practical Applications of Agents and Multi-Agent Systems (**PAAMS**), Salamanca, Spain, 2009

17. 8th International Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Budapest, Hungary, 2009
18. 7th International Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Estoril, Portugal, 2008
19. 8th International Conference on Self-Organization and Autonomic Systems in Computing and Communications (**SOAS**), Leipzig, Germany, 2007.
20. 6th International Joint Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Hawaii, USA, 2007. *Senior Program Committee Member.*
21. 7th Intl Conference on Self-Organization and Autonomic Systems in Computing and Communications (**SOAS**), Erfurt, Germany, 2006.
22. 5th Intl. Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Hakodate, Japan, May 2006.
23. 4th German Conference on Multiagent System Technologies (**MATES**), Erfurt, Germany, September, 2006
24. 1st Intl Conference on Self-Organization and Adaptation of Multi-agent and Grid Systems (**SOAS**), Glasgow, UK, December 2005
25. 4th Intl. Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Utrecht, The Netherlands, July 2005
26. 4th Intl. Central and Eastern European Conference on Multi-Agent Systems (**CEEMAS**), Budapest, Hungary, September 2005
27. 2nd Intl. Conference on Industrial applications of Holonic and Multi-Agent Systems (**HoloMAS**), Copenhagen, Denmark, 2005
28. 3rd Intl. Conference on Autonomous Agents and Multiagent Systems (**AAMAS**), New York, USA, 2004.
29. 3rd Intl. Central and Eastern European Conference on Multi-Agent Systems (**CEEMAS**), Prague, Czech Republic, 2003
30. 1st Intl. Conference on Industrial Applications of Holonic and Multi-agent Systems (**HoloMAS**), Prague, Czech Republic, 2003
31. 1st Intl. Joint Conference on Autonomous Agents and Multi-Agent Systems (**AAMAS**), Bologna, Italy, 2002
32. 5th Intl. Conference on Autonomous Agents (**Agents**), Montreal, Canada, 2001; *Senior Program Committee Member.*
33. 2nd Asia-Pacific Conference on Intelligent Agent Technology (**IAT**), Japan, 2001.
34. 6th Intl. Conference on Practical Application of Intelligent Agents and Multi-Agent Technology (**PAAM**), Manchester, UK, 2001.
35. 4th Intl. Conference on Multiagent Systems (**ICMAS**), Boston, USA, 2000.
36. 3rd Intl. Conference on Autonomous Agents (**Agents**), Seattle, USA, 1999.
37. 4th Intl. Conference on Practical Application of Intelligent Agents and Multi-Agent Technology (**PAAM**), London, UK, 1999
38. 2nd Intl. Conference on Autonomous Agents (**Agents**), Minneapolis, USA, 1998.

Internet, Web and Service-Oriented Computing

39. 18th International World Wide Web Conference (**WWW**), Madrid, Spain, 2009

40. 10th International Conference on Electronic Commerce (**ICEC**), Innsbruck, Austria, 2008
41. 8th International ACM Conference on Electronic Commerce (**EC**), San Diego, USA, 2007
42. International IEEE Conference on IP and Web Applications (**ICIW**), Guadeloupe, 2006
43. 3rd International Conference on Service-Oriented Computing (**ICSOC**), Amsterdam, The Netherlands, December 2005
44. 1st International IFIP Conference on Industrial Applications of the Semantic Web (**IASW**), Jyväskylä, Finland, August 2005.
45. 12th Intl. Conference on the World Wide Web (**WWW**), Budapest, Hungary, May 2003
46. 11th Int. Conference on the Worldwide Web (**WWW**), Hawaii, USA, 2002
47. 2nd Intl. Conference on Electronic Commerce and Web (**EC&Web**), London, UK, 2000.
48. Intl. Conference on Electronic Commerce & Web (**EC&Web**), Munich, Germany, 2001.
49. 1st Intl. Conference on Mobile and Ubiquitous Systems: Networking and Services (**Mobiquitous**), August 22-25, 2004, Boston, Massachusetts, USA

Artificial Intelligence

50. 19th European Conference on Artificial Intelligence (**ECAI**), Lisbon, 2010
51. 6th International Conference on Prestigious Applications of Intelligent Systems (**PAIS**), Lisbon, 2009
52. 26th Intl. IASTED Conference on Artificial Intelligence and Applications (**AIA**), Innsbruck, Austria, 2008
53. 30th German Conference on Artificial Intelligence (**KI**), 10 – 13 September, Osnabrück, Germany, 2007
54. 25th Intl. IASTED Conference on Artificial Intelligence and Applications (**AIA**), Innsbruck, Austria, 2007
55. 24th Intl. IASTED Conference on Artificial Intelligence and Applications (**AIA**), 13 - 16 February, Innsbruck, Austria, 2006
56. 22nd Intl. IASTED Conference on Artificial Intelligence and Applications (**AIA**), 16 - 18 February, Innsbruck, Austria, 2004
57. 3rd Intl. Conference on Knowledge Systems for Coalition Operations (**KSCO**), Pensacola, Oct 26-28, 2004, USA, 2004
58. 15th European Conference on Artificial Intelligence (**ECAI**), Lyon, France, 2002

Information Systems

59. 23rd IEEE International Conference on Advance Information Networking and Application (**AINA**), Bradford, UK, 2009
60. German Conference „Anwendungskonzepte und Vorgehensweise für dezentrale Informationssysteme“ as part of the German multi-conference on business informatics **MKWI**, Munich, Germany, 2008

61. IEEE International Conference on Adaptive Business Systems (**ICABS**), China, 2007
62. 3rd Intl. Conference on Ontologies, DataBases, and Applications of Semantics for Large Scale Information Systems (**ODBASE**), Cyprus, 2004.
63. 9th Intl. Conference on Database Systems for Advanced Applications (**DASFAA**), Kyoto, Japan, 2003.
64. 3rd Intl. Conference on Web Information Systems Engineering (**WISE**), Singapore, 2002
65. 2nd Intl. Conference on Web Information Systems Engineering (**WISE**), Kyoto, Japan, 2001
66. Intl. Conference on Advances in Database and Information Systems (**ADBIS**), Vilnius, Lithuania, 2001.
67. 4th IFCIS Conference on Cooperative Information Systems (**CoopIS**), Edinburgh, Scotland, 1999.
68. 5th Intl. Conference on Information Systems, Analysis and Synthesis (**ISAS**), Orlando, USA, 1999
69. 3rd IFCIS Conference on Cooperative Information Systems (**CoopIS**), New York, USA, 1998
70. Intl. Conference ETCE-96 Energy Week, Houston, TX/USA, 1996.

Others

71. 34th Intl. Conference on System Sciences (**HICSS**), Maui, 2001.
72. 4th Intl. Conference of Systemics, Cybernetics and Informatics (**SCI**), USA, 2000.

Workshops

Internet, Web, Semantic Web, and Service-Oriented Computing

73. 8th International Workshop on Service-Oriented Computing: Agents, Semantics and Engineering (SOCASE) @ AAMAS, Toronto, Canada, 2010.
74. 2nd AI Mashup Challenge (**AI-mashup**) @ ESWC, Heraklion, Greece, 2010.
75. 2nd International Workshops on Service Matchmaking and Resource Retrieval in the Semantic Web (**SMR2**), Karlsruhe, Germany, 2008
76. Intl. Symposium on Rule Interchange and Applications (**RuleML**), Orlando, USA, 2007.
77. 9th ACM Symposium on Applied Computing (**SAC**), Technical Track on Coordination Languages, Models, and Applications, Seoul, Korea, 2007
78. 1st Intl. IEEE/ACM Workshop on Semantic Matchmaking and Resource Retrieval (**SMR**), at VLDB Conference, Seoul, Korea, September 2006
79. 2nd Intl. Workshop on the Use of Semantic Web Technologies for Ubiquitous and Mobile Applications (**SWUMA**), Trento, Italy, 2006
80. 5th Intl. DEXA Workshop on Web Semantics (**Webs**), Krakow, Poland, September 2006.

81. 1st AAI Fall Symposium on Agents and the Semantic Web (**ASW**), Arlington, USA, November 2005.
82. 4th Intl. Workshop on Web Semantics (**Webs**) at 16th Intl. Conference on Database and Expert Systems (DEXA), Copenhagen, Denmark, August 2005.
83. AAI Spring Symposium on Semantic Web Services, Stanford, USA, March 2004.
84. Intl. Workshop „XML-Technologien für das Semantic Web“ (**XSW**), Berlin, Germany, October 2003
85. Intl. IEEE Symposium on Applications and the Internet (**SAINT**), San Diego, USA, 2001.
86. Intl. Workshop on E-Business & Intelligent Web at IJCAI 2001, Seattle, USA, 2001.

Agent-Based Computing

87. 10th International Workshop on Engineering Societies in the Agents' World (**ESAW**), Utrecht, The Netherlands, 2009
88. 4th European Workshop on Multiagent Systems (**EUMAS**), Lisbon, Portugal, 2006
89. 1st Intl. Workshop on Privacy and Security in Agent-Based Collaborative Environments (**PSACE**) at AAMAS 2006 Conference, Japan, May 2006
90. 3rd European Workshop on Multiagent Systems (**EUMAS**), Brussels, December 2005
91. 5th Intl. Workshop on Agent-Based Simulation (**ABS**), Lisbon, Portugal, May 2004
92. 4th Intl. Symposium „From Agent Theory to Agent Implementation“ (**AT2AI**), @ 17th European Cybernetics and Systems Research (EMCSR), Vienna, Austria, April 2004
93. 1st European Workshop on Multiagent Systems (**EUMAS**), Oxford, UK, December 2003
94. 1st Intl. Workshop on Autonomy (**Autonomy**) @ AAMAS, Melbourne, Australia, 2003.
95. 3rd Intl. IEEE/ACM Workshop on Agent-based cluster and grid computing (**AgentGrid**), Tokyo, Japan, 2003.
96. 1st International Workshop on Teamwork and Coalition Formation at AAMAS 2002 Conference, Bologna, Italy, 2002.
97. 2nd Intl. Workshop on Ontologies in Agent Systems (**OAS**) @AAMAS, Bologna, Italy, 2002.
98. 2nd Intl. Workshop on Challenges in Open Agent Environments @ AAMAS, Bologna, Italy, 2002
99. 10th Intl. Workshop on Multi-Agent Systems (**MAAMAW**), Annecy, France, 2001.
100. Intl. ICSC Symposium on Multi-Agents and Mobile Agents in Virtual Organizations and E-Commerce (**MAMA**), Australia, 2000.
101. 2nd Intl Workshop on Infrastructure for Scalable Multi-Agent Systems @AAMAS, 2001
102. Intl. Workshop on Ontologies in Agent Systems @AAMAS, Montreal, Canada, 2001
103. Int. Workshop on Internet Bots: Systems and Applications (**INBOSA**) @DEXA, Munich, Germany, 2001

104. Intl. Workshop on Engineering Societies in the Agents' World (**ESAW**), Prague, 2001.
105. Intl. Workshop on Engineering Societies in the Agents' World (**ESAW**) at ECAI-2000, Berlin, Germany, 2000.
106. 1st Intl. Workshop on Agent Communication Languages (**ACL**) at IJCAI-99, Stockholm, Sweden, 1999.
107. 1st Intl. Symposium 'From Agent Theory to Agent Implementation' (**AT2AI**) European Conference on Cybernetics and Systems Research, Vienna, Austria, 1998.

Information Systems, Data Mining

108. 4th International Workshop on Agents and Data Mining Interaction (**ADMI**), Toronto, Canada, 2010
109. 3rd International Workshop on Agents and Data Mining Interaction (**ADMI**), Budapest, Hungary, 2009
110. 5th Intl Workshop on Databases, Information Systems and P2P Computing (**DBISP2P**) @ VLDB, Vienna, Austria, 2007
111. 2nd Intl. Workshop on Autonomous Intelligent Systems: Agents and Data Mining (**AIS-ADM**), St Petersburg, Russia, 2007
112. 4th Intl Workshop on Databases, Information Systems and P2P Computing (**DBISP2P**) @ VLDB, Seoul, South Korea, 2006
113. 3rd Intl Workshop on Databases, Information Systems and P2P Computing (**DBISP2P**) @ VLDB, Trondheim, Norway, 2005
114. 1st Intl. Workshop on Autonomous Intelligent Systems: Agents and Data Mining (**AIS-ADM**), St Petersburg, Russia, 2005
115. 8th Intl. Workshop on High Performance and Distributed Data Mining (**HPDM**) @ 5th Intl. SIAM Conference on Data Mining, Newport CA, USA, 2005.
116. Intl. Workshop on Hybrid Intelligent Systems for Data Mining @ IEEE International Conference on Data Mining (**ICDM**), San Jose, USA, 2001.
117. 1st Intl Workshop on Theory and Practice of Open Computational Systems (**TAPOCS**), 2003
118. 12th Intl. IEEE Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises (**WETICE**), Linz, Austria, 2003
119. Intl. Workshop on Agent-Based Information Systems (**ABIS**) @ DEXA, Greenwich, UK, 2000.
120. Intl Workshop on Intelligent Information Integration (**I3**) @ IJCAI, Stockholm, Sweden, 1999.
121. 2nd German Joint Meeting on DAI, Databases and Information Retrieval (ADI), Rostock, Germany, 1999.
122. 7th IEEE Intl Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises (**WETICE**), Stanford, USA, 1998.

Mobile and Peer-to-Peer Computing

1. 4th Intl. Workshop on Agents and P2P Computing (**AP2P**) @ AAMAS, Utrecht, The Netherlands, 2005
2. 1st Intl. Workshop on Semantic Web Technology for Mobile and Ubiquitous Applications @ ISWC, Hiroshima, Japan, 2004.
3. 1st Intl. Workshop on Peer-To-Peer Knowledge Management (**P2PKM**) @ 1st Int. Conference on Mobiquitous Computing, August, 2004
4. 1st Intl. Workshop on Peer-To-Peer Computing and Databases (**P2P&DB**), at 9th Extending Database Technology Conference (EDBT), Heraklion, Greece, March 2004.
5. 3rd Intl. Workshop on Agents and P2P Computing (**AP2P**), @ AAMAS, July, New York, USA, 2004

Artificial Intelligence

6. Advanced Course on Artificial Intelligence (**ACAI**), Workshop on Machine Learning and Applications, Greece, 1999.
7. Workshop on Intelligent Agents in Information and Process Management @22nd German Conference on Artificial Intelligence (**KI**), Bemen, 1998.

Further Reviewing

I have been occasionally invited to serve as a reviewer for the following scientific press.

Book Press: Springer Verlag, MIT Press, Kluwer Academics

Journals:

- ACM Transactions on Internet Technology
- Int. Journal on Autonomous Agents and Multi-Agent Systems (Kluwer Academic)
- Int. Journal on Applied Artificial Intelligence (Taylor & Francis)
- Int. Journal on Intelligent Information Systems (Kluwer Academic)
- IEEE Journal on Intelligent Systems
- IEEE Journal on Internet Computing
- IEEE Transactions on Data and Knowledge Engineering

Membership in Computer Societies

- Gesellschaft für Informatik (GI)
- Association for Computing Machinery (ACM)
- IEEE Computer Society

10. Publications

Books

Anthologies

- [A04-05] Calisti, M.; Unland, R.; Klusch, M. (2005) Eds.: Software Agent-based Applications, Platforms and Development Kits. Whitestein Technologies Series, Birkhäuser, ISBN 3-7643-7347-4
- [A03-03] Klusch, M., Bergamaschi, S., Edwards, P., Petta, P. (2003) Eds.: Intelligent Information Agents: The AgentLink Perspective. LNAI series vol. 2586, Springer.
- [A02-01] Omicini, A.; Zambonelli, F.; Klusch, M.; Tolksdorf, R. (2001) Eds.; Coordination of Internet Agents: Models, Technologies, and Applications. Springer, ISBN 3-540-41613-7.
- [A01-99] Klusch, M. (1999) Ed.: Intelligent Information Agents - Agent-Based Information Discovery and Management on the Internet. Springer, ISBN 3-540-65112-8.

Proceedings

- [P19-09] Bruza, P.; Rijsbergen, K.v.; Sofge, D.; Lawless, B.; Klusch, M. (2009) Eds.: Quantum Interaction. Third International Symposium QI 2009, Saarbrücken, Germany, March 25 – 27, 2009, LNCS 5494, Springer.
- [P18-08] Klusch, M.; Polleres, A.; Pechoucek, M. (2008) Eds.: Cooperative Information Agents XII. Proceedings of the Eleventh International Workshop CIA 2008, Prague, Czech Republic, September 10 – 12, 2008, LNAI 5180, Springer.
- [P17-08] Kowalczyk, R.; Huhns, M.; Klusch, M.; Maamar, Z.; Vo, Q.B. (Eds.): Proceedings of the International Workshop SOCASE on Service-Oriented Computing: Agents, Semantics, and Engineering. Estoril, Portugal, 2008
- [P16-07] Petta, P., Müller, J., Klusch, M., Georgeff, M. (2007) Eds.: Multiagentsystem Technologies. Proceedings of the 5th German Conference MATES, Leipzig, Germany, LNAI 4687, Springer, 2007

- [P15-07] Klusch, M., Hindriks, K., Sterling, L., Papazoglou, M. (2007) Eds.: Cooperative Information Agents XI. Proceedings of the Eleventh International Workshop CIA 2007, Delft, The Netherlands, September 19 – 21, 2007, LNAI 4676, Springer.
- [P14-06] Klusch, M.; Rovatsos, M.; Payne, T. (2006) Eds.: Cooperative Information Agents X. Proceedings of the Tenth International Workshop CIA 2006, Edinburgh, UK, September 11 – 13, 2006, LNAI series, 4149, Springer.
- [P13-05] Eymann, T.; Klügl, F.; Lamersdorf, W.; Klusch, M.; Huhns, M. (2005) Eds.: Multi-Agent System Technologies III. Proceedings of the 3rd German Conference MATES 2005, September 2005, Koblenz, LNAI series, 3550, Springer.
- [P12-04] Klusch, M.; Ossowski, S.; Kashyap, V.; Unland, R. (2004) Eds.: Cooperative Information Agents VIII. Proceedings of Eighth International Workshop CIA-2004 on Cooperative Information Agents, Erfurt, September 27 - 29, 2004, LNAI series, 3919, Springer
- [P11-03] Schillo, M., Klusch, M.; Müller, J., Tianfield, H. (2003) Eds.: Multi-Agent Systems Technologies. Proceedings of First German Conference MATES 2003, September 2003, Erfurt, LNAI series, 2831, Springer.
- [P10-03] Liu, J.; Klusch, M.; Zhong, N.; Cercone N. (2003) Eds.: Proceedings of the IEEE International Conference on Web Intelligence WI-2003, IEEE Press.
- [P09-03] Liu J.; Faltings, B.; Klusch, M.; Liu, C. (2003) Eds.: Proceedings of the IEEE / WIC International Conference on Intelligent Agent Technology IAT-2003, IEEE Press.
- [P08-03] Klusch, M., Omicini, A., Ossowski, S., Laamanen, H. (2003) Eds.: Cooperative Information Agents VII. Proceedings of Seventh International Workshop CIA-2003 on Cooperative Information Agents, Helsinki, Finland, August 27 - 29, 2003. LNAI series, 2782, Springer.
- [P07-02] Klusch, M., Ossowski, S., Shehory, O. (2002) Eds.: Cooperative Information Agents VI. Proceedings of Sixth International Workshop CIA-2002 on Cooperative Information Agents, Madrid, September 18 - 20, 2002, LNAI series, 2446, Springer.
- [P06-01] Klusch, M. Zambonelli, F. (2001) Eds.: Cooperative Information Agents V, Proceedings of Fifth International Workshop CIA-2001, Modena, Italy, September 6 – 8, 2001, LNAI series, 2182, Springer.

- [P05-00] Bouzeghoub, M.; Klusch, M.; Nutt, W.; Sattler, U. (2000) Eds.: Proceedings of the 7th International Workshop on Knowledge Representation meets Databases (KRDB 2000)
- [P04-00] Klusch, M.; Kerschberg, L. (2000) Eds.: Cooperative Information Agents IV. Proceedings of Fourth International Workshop CIA-2000 on Cooperative Information Agents, Boston, USA, July 7 - 9, 2000, LNAI series, 1860, Springer.
- [P03-99] Klusch, M.; Shehory, O.; Weiß, G. (1999) Eds.: Cooperative Information Agents III. Proceedings of Third International Workshop CIA-99 on Cooperative Information Agents, Uppsala, Sweden, July 31 - August 2, 1999, LNAI series, 1652, Springer.
- [P02-98] Klusch, M.; Weiß, G. (1998) Eds.: Cooperative Information Agents II - Learning, Mobility, and Electronic Commerce for Information Discovery in the Internet. Proceedings of Second International Workshop CIA-98 on Cooperative Information Agents, Paris, July 4 - 7, 1998, LNAI series, 1435, Springer.
- [P01-97] Kandzia, P.; Klusch, M. (1997) Eds.: Cooperative Information Agents. Proceedings of First International Workshop CIA-97 on Cooperative Information Agents, Kiel, Germany, February 26 - 18, 1997, Lecture Notes in Artificial Intelligence, Vol. 1202, Springer.

Theses

- [T03-08] Klusch, M. (2008): On Agent-Based Semantic Service Coordination. Habilitation Thesis, University of the Saarland, Saarbruecken, Germany, 466 pages.
- [T02-98] Klusch, M. (1998): Kooperative Informationsagenten im Internet. PhD Thesis (Dissertation). Schriftenreihe Forschungsergebnisse zur Informatik, Band 36, Kovac Verlag, Hamburg, ISBN 3-86064-746-6, 200 pages.
- [T01-91] Klusch, M. (1991): Entwicklung und Implementierung eines hybrid-neuralen Systems zur Klassifikation von Sternen. Diploma Thesis, Christian-Albrecht-Universität zu Kiel, Institut für Informatik und Praktische Mathematik, Kiel, Germany.

Special Issues of Journals

- [S03-05] Klusch, M.; Ossowski, S.; Unland, R. (Guest editors), *Engineering Artificial Intelligence Applications*, Special Issue on Best Papers of CIA 2004, Elsevier Science, vol. 18 (7), 2005
- [S02-02] Klusch, M.; Zambonelli, F. (Guest editors), *Cooperative Information Systems*, Special Issue on Selected Best Papers of CIA 2002, World Scientific, 11 (3), 2002.
- [S01-01] Klusch, M. (Guest editor), *Cooperative Information Systems*, Double Special Issue on Intelligent Information Agents: Theory and Applications, 10 (1&2), World Scientific, March 2001

Journal Papers

- [J23-09] Kuester, U.; Koenig-Ries, B.; Petrie, C.; Klusch, M. (2009): On the Evaluation of Semantic Web Service Frameworks. *Semantic Web and Information Systems*, 4, IGI Global.
- [J22-09] Klusch, M.; Fries, B.; Sycara, K. (2009): OWLS-MX: A Hybrid Semantic Web Service Matchmaker for OWL-S Services. *Web Semantics*, 7(2), Elsevier
- [J21-09] Klusch, M.; Kaufer, F. (2009): WSMO-MX: A Hybrid Semantic Web Service Matchmaker. *Web Intelligence and Agent Systems*, 7(2), IOS Press
- [J20-06] Blankenburg, B.; Klusch, M. (2006): Privacy-Preserving Coalition Forming Between Rational Service Agents. *Künstliche Intelligenz*, KI 1/2006, BöttcherIT Verlag.
- [J19-06] Da Silva, J.C.; Klusch, M. (2006): Inference on Distributed Data Clustering. *Engineering Artificial Intelligence Applications*, Special Issue on Data Mining, P. Perner (eds.), Elsevier.
- [J18-06] Da Silva, J.C.; Klusch, M.; Lodi, S., Moro, G-L. (2006): Privacy-preserving agent-based distributed data clustering. *Web Intelligence and Agent Systems*, 4(2):221-238, IOS Press
- [J17-06] Schuldt, H.; Möller, R.; Klusch, M.; Gerber, A. (2006): Next Generation Applications in Healthcare Digital Libraries using Semantic Service Composition and Coordination. *Health Informatics*, 12(2), SAGE, USA

- [J16-05] Costa Da Silva, J.; Giannella, C.; Bhargava, R.; Kargupta, H.; Klusch, M.; (2005): Distributed Data Mining and Agents. *Engineering Applications of Artificial Intelligence*, 18 (7), Elsevier
- [J15-04] Contreras, J.; Klusch, M.; Krawczyk, J. (2004): Numerical Solutions to Nash-Cournot Equilibria in Coupled Constraint Electricity Markets. *IEEE Transactions on Power Systems*, 19(1), February 2004, IEEE Press.
- [J14-04] Gerber, A.; Klusch, M. (2004): AGRICOLA – Agenten für mobile Planungsdienste in der Landwirtschaft. *Künstliche Intelligenz*, KI 1/2004, pp 38-42, arendtap Verlag, (in German).
- [J13-03] Gerber, A.; Russ, C.; Klusch, M. (2003). Supply Web Co-ordination by an Agent-based Trading Network with Integrated Logistics Services. *Electronic Commerce Research and Applications*. Vol 2 (2), Elsevier.
- [J12-02] Klusch, M.; Gerber, A. (2002): Dynamic Coalition Formation among Rational Agents. *IEEE Intelligent Systems*, 17 (3), May/June, IEEE CS Press
- [J11-02] Klusch, M.; Gerber, A. (2002): CASA: Agent-based Integrated Services Network for Timber Production and Sales. *IEEE Intelligent Systems*, 17(2), January/February.
- [J10-02] Sycara, K.; Widoff, S.; Klusch, M.; Lu, J. (2002): LARKS: Dynamic Matchmaking Among Heterogeneous Software Agents in Cyberspace. *Autonomous Agents and Multi-Agent Systems*, Kluwer Academic Press
- [J09-01] Klusch, M. (2001): Information Agent Technology for the Internet: A Survey. *Data and Knowledge Engineering*, Special Issue on Intelligent Information Integration, D. Fensel (Ed.), Vol. 36(3), Elsevier Science, pages 337 - 372
- [J08-00] Sierra, C; Wooldridge, M; Sadeh, N; Conte, R; Klusch, M; Treur J (2000): Agent Research and Development in Europe (Part One), *Intelligence in Industry*, Issue 4, May/June
- [J07-00] Sierra, C; Wooldridge, M; Sadeh, N; Conte, R; Klusch, M; Treur J (2000): Agent Research and Development in Europe (Part Two), *Intelligence in Industry*, Issue 5, July/August
- [J06-00] Sierra, C; Wooldridge, M; Sadeh, N; Conte, R; Klusch, M; Treur J (2000): Agent Research and Development in Europe (Part Three), *Intelligence in Industry*, Vol 6, September/October 2000, pp. 7-13.

- [J05-00] Sierra, C; Wooldridge, M; Sadeh, N; Conte, R; Klusch, M; Treur J (2000): Agent Research and Development in Europe. *Information Services and Use*, 20(4), 2000, pp 189-202
- [J04-99] Sycara, K.; Lu, J.; Klusch, M.; Widoff, S. (1999): Dynamic Service Matchmaking among Agents in Open Information Environments. *ACM SIGMOD Record*, Special Issue on Semantic Interoperability in Global Information Systems. A. Ouksel, A. Sheth (Eds.), ACM Press
- [J03-98] Klusch, M.; Benn, W. (1998): Intelligente Informationagenten im Internet. *Künstliche Intelligenz*, Special Issue on Intelligent Information Agents, E. Andre and T. Rist (Eds.), Springer
- [J02-94] Klusch, M. (1994): The Use of a Hybrid Neural System for the Classification of Stars. *Vistas in Astronomy*, 38 (3), Special Issue on Neural Network Applications in Astronomy, Elsevier Science, pp.299-307
- [J01-93] Klusch, M.; Napiwotzki, R. (1993): HNS - A hybrid neural system and its use for the classification of stars. *European Journal on Astronomy and Astrophysics*, Vol. 276, pp.309-319.

Book Chapters

- [B14-09] Kuester, U.; Koenig-Ries, B.; Klusch, M. (2009): Evaluating Semantic Web Service Technologies: Criteria,, Approaches and Challenges. In: Progressive Concepts for Semantic Web Evolution: Applications and Developments. Advances in Semantic Web Information Systems series. IGI Global.
- [B13-08] Klusch, M. (2008): Semantic Web Service Coordination. In: M. Schumacher, H. Helin, H. Schuldt (Eds.) CASCOM - Intelligent Service Coordination in the Semantic Web. Chapter 4. Birkhäuser Verlag, Springer.
- [B12-08] Klusch, M. (2008): Semantic Web Service Description. In: M. Schumacher, H. Helin, H. Schuldt (Eds.) CASCOM - Intelligent Service Coordination in the Semantic Web. Chapter 3. Birkhäuser Verlag, Springer.
- [B11-08] B. Blankenburg, L. Botelho, F. Calhau, A. Fernandez, M. Klusch, S. Ossowski (2008): Service Composition. In: M. Schumacher, H. Helin, H. Schuldt (Eds.) CASCOM - Intelligent Service Coordination in the Semantic Web. Chapter 5. Birkhäuser Verlag, Springer.

- [B10-08] D. Bonardi, L. Botelho, M. Klusch, A. Lopes, T. Möller, A. De Oliveira e Sousa, M. Vasirani (2008): Quantitative Analysis. In: M. Schumacher, H. Helin, H. Schuldt (Eds.) CASCOS - Intelligent Service Coordination in the Semantic Web. Chapter 16. Birkhäuser Verlag, Springer.
- [B09-08] L. Botelho, A. Fernandez, M. Klusch, L. Pereira, T. Santos, P. Pais, M. Vasirani (2008): Service Discovery. In: M. Schumacher, H. Helin, H. Schuldt (Eds.) CASCOS - Intelligent Service
- [B08-04] Klusch, M. (2004): Toward Quantum Computational Agents. In: Computational Autonomy and Agents. M Nickles, M Rovatsos, G Weiss (eds.), LNAI series, 2969, Springer.
- [B07-04] Klusch M., Rist, T., Andre, E. Ishida, T., Nakashini, H. (2004): Interactive Information Agents and Interfaces. In: The Handbook of Human Factors in Web Design, RW Proctor, K-P L Vu (eds.), Lawrence Erlbaum Associates.
- [B06-03] Klusch, M., Lodi, S., Moro, G-L. (2003): Agent-Based Distributed Data Mining: The KDEC Scheme. In: Klusch, M., Bergamaschi, S., Edwards, P., Petta, P. (2003) Eds.: Intelligent Information Agents: The AgentLink Perspective. LNAI series, 2586, Springer.
- [B05-02] Klusch, M., Bürckert, H.-J., Gerber, A., Russ, C. (2002): Applications of Information Agents and Systems. In: L.C. Jain (ed.), Practical Applications of Intelligent Agents, Physica-Verlag/Springer.
- [B04-01] Klusch, M, Sycara, K. (2001): Brokering and Matchmaking for Coordination of Agent Societies: A Survey. In: Coordination of Internet Agents, A. Omicini et al. (eds.), Springer
- [B03-00] Klusch, M. (2000): Agent-Mediated Trading: Intelligent Agents and E-Business. In: A.L.G. Hayzelden, R. Bourne (eds.): Agent Technology Applied to Networked Systems. John Wiley & Sons, Chicester, England
- [B02-00] Klusch, M. (2000): Information Agents for Knowledge Discovery and Data Mining on the Internet. In: U. Küsters, K.D. Wilde (Eds.), Handbook Data Mining im Marketing - Knowledge Discovery in Databases. Chapter 10.2, Vieweg/Gabler Verlag (in German).
- [B01-96] Klusch, M. (1996): Utilitarian coalition formation between information agents. In: S. Kirn and G. O'Hare (Eds.), Cooperative Knowledge Processing, Chapter 13, Springer, London

Conference Papers

- [C54-10] Richter, J.; Klusch, M.; Kowalczyk, R. (2010): On Monotonic Mixed Tactics and Strategies for Bilateral Multi-Issue Negotiations. Proceedings of 9th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS), Toronto, Canada.
- [C53-09] Nesbigall, S.; Warwas, S.; Kapahnke, P.; Schubotz, R.; Klusch, M.; Fischer, K.; Slusallek, P. (2009): Intelligent Agents for Semantic Simulated Realities – The ISReal Platform. Proceedings of International Conference on Agents and Artificial Intelligence (ICAART), Porto, Portugal.
- [C52-09] Richter, J.; Kowalczyk, R.; Klusch, M. (2009): Multistage Fuzzy Decision Making in Bilateral Negotiation with Finite Termination Times. Proceedings of 22nd Australasian Joint Conference on Artificial Intelligence (AI), Melbourne, Australia.
- [C51-09] Klusch, M.; Kapahnke, P.; Zinnikus, I. (2009): SAWSDL-MX2: A Machine-Learning Approach for Integrating Semantic Web Service Matchmaking Variants. Proceedings of IEEE 7th International Conference on Web Services (ICWS), Los Angeles, USA. AR 15%
- [C50-09] Klusch, M.; Kapahnke, P.; Zinnikus, I. (2009): Hybrid Adaptive Web Service Selection with SAWSDL-MX and WSDL Analyzer. Proceedings of 6th European Semantic Web Conference (ESWC), Heraklion, Greece, IOS Press, AR 18%
- [C49-08] Klusch, M.; Schubotz, R. (2008): Quantum Service Selection. Proceedings of IEEE/ACM International Conference on Intelligent Agent Technology (IAT), Sydney, Australia, IEEE CS Press. AR: 19%
- [C48-08] Klusch, M. (2008): Toward Quantum Matchmaker Agents. Proceedings of IEEE/ACM International Conference on Intelligent Agent Technology (IAT), Sydney, Australia, IEEE CS Press. AR: 19%
- [C47-08] Klusch, M.; Nesbigall, S.; Zinnikus, I. (2008): MDSM: A Model-Driven Approach to Semantic Service Selection for Collaborative Business Processes. Proceedings of IEEE/ACM International Conference on Web Intelligence (WI), Sydney, Australia, IEEE CS Press. AR: 19%

- [C46-08] Hahn, C.; Nesbigall, S.; Warwas, S.; Zinnikus, I.; Fischer K.; Klusch, M. (2008): Model-Driven Approach to the Integration of Multiagent Systems and Semantic Web Services. Proceedings of International IEEE/ACM Conference on Intelligent Agent Technology (IAT), Sydney, Australia, AR 19%
- [C45-08] Nesbigall, S.; Zinnikus, I.; Klusch, M. (2008) Model-Driven Semantic Web Service Matchmaking for Collaborative Business Processes. Proceedings of 3rd IEEE Asia-Pacific Services Computing Conference (APSCC 08).
- [C44-08] Klusch, M.; Kapahnke, P.; Kaufer, F. (2008): Evaluation of Hybrid WSML Service Retrieval with WSMO-MX. Proceedings of IEEE International Conference on Web Services (ICWS), Beijing, China, IEEE Press. AR 18%
- [C43-08] Klusch, M.; Fries, B. (2008): Hybrid Semantic Web Service Retrieval: A Case Study with OWLS-MX. Proceedings of the 2nd IEEE International Conference on Semantic Computing (ICSC), Santa Clara, USA, IEEE Press.
- [C42-08] Klusch, M.; Xing, Z. (2008): Deployed Semantic Services for the Common User of the Web: A Reality Check. Proceedings of the 2nd IEEE International Conference on Semantic Computing (ICSC), Santa Clara, USA, IEEE Press.
- [C41-07] Klusch, M.; Schubotz, R. (2007): Programming and Simulation of Quantum Search Agents. Proceedings of the IEEE International Conference on Systems, Man and Cybernetics (SMC), Montreal, Canada, IEEE Press.
- [C40-07] Da Silva, J.C.; Klusch, M. (2007): Privacy-Preserving Discovery of Frequent Patterns in Time Series. Proceedings of the 7th Industrial Conference on Data Mining (ICDM), Leipzig, Germany, Springer.
- [C39-07] Klusch, M.; Schubotz, R. (2007): Programming and Simulation of Quantum Search Agents. Proceedings of the 6th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Hawaii, USA. Short version of [C41-07]
- [C38-06] Kaufer, F.; Klusch, M. (2006): WSMO-MX: A Logic Programming Based Hybrid Service Matchmaker. Proceedings of the 4th IEEE European Conference on Web Services (ECOWS), IEEE CS Press, Zurich, Switzerland
- [C37-06] Klusch, M.; Gerber, A. (2006): Fast Composition Planning of OWL-S Services and Application. Proceedings of the 4th IEEE European Conference on Web Services (ECOWS), IEEE CS Press, Zurich, Switzerland

- [C36-06] Basters, U.; Klusch, M. (2006): RS2D: Fast Adaptive Search for Semantic Web Services in Unstructured P2P Networks. Proceedings of the 5th International Semantic Web Conference (ISWC), Athens, USA, Springer.
- [C35-06] Basters, U.; Klusch, M. (2006): Risk Driven Semantic P2P Service Retrieval. Proceedings of the 6th IEEE International Conference on P2P Computing (P2P 2006), Cambridge, UK, IEEE CS Press.
- [C34-06] Hutter, D.; Klusch, M.; Volkamer, M. (2006): Information Flow Analysis Based Security Checking of Health Service Composition Plans. . Proceedings of the 1st European Conference on eHealth , Fribourg, Switzerland.
- [C33-06] Bergenti, F.; Caceresz, C.; Fernandez, A.; Fröhlich, N.; Helin, H.; Keller, O.; Kinnunen, A.; Klusch, M.; Laamanen, H.; Lopez, A.; Ossowski, S.; Schumacher, M. (2006): Context-aware Service Coordination for Mobile e-Health Applications. Proceedings of the 1st European Conference on eHealth, Fribourg, Switzerland, GI Edition, Lecture Notes in Informatics.
- [C32-06] Lopes, A.; Costa, P.; Bergenti, F.; Klusch, M.; Blankenburg, B.; Möller, T.; Schuldt, H. (2006): Context-aware Secure Service Composition Planning and Execution on E-Health Environments. Proceedings of the 1st European Conference on eHealth, Fribourg, Switzerland, GI Edition, Lecture Notes in Informatics.
- [C31-06] Klusch, M.; Fries, B.; Sycara, K. (2006): Automated Semantic Web Service Discovery with OWLS-MX. Proceedings of the 5th International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS), Hakodate, Japan, ACM Press. **AAMAS 2006 Best Paper Award Nominee**
- [C30-05] Da Silva, J.C.; Klusch, M. (2005): Confidentiality Detection of Outliers in Time Series Data. Proceedings of the IEEE International Conference on Computational Intelligence for modelling, Control and Automation (CIMCA), Vienna, Austria, IEEE Computer Society Press.
- [C29-05] Blankenburg, B.; Klusch, M. (2005): BSCA-F: Efficient fuzzy valued stable coalition forming among agents. Proceedings of the IEEE International Conference on Intelligent Agent Technology (IAT), Compiègne, France, IEEE Computer Society Press.
- [C28-05] Blankenburg, B.; Klusch, M. (2005): BSCA-P: Privacy-Preserving Coalition Formation. Proceedings of the 3rd German Conference on Multi-Agent System Technologies (MATES), Koblenz, Germany, LNAI series, 3550, Springer. **MATES 2005 Best Paper Award**

- [C27-05] Da Silva, J.C.; Klusch, M. (2005): Inference on Distributed Data Clustering. Proceedings of the 5th Industrial Conference on Data Mining (ICDM), Leipzig, Germany, July 2005
- [C26-05] Klusch, M. (2005): Coordination of Quantum Internet Agents. Proceedings of the 4th Intl. Conference on Autonomous Agents and Multiagent Systems (AAMAS), Utrecht, The Netherlands, July 2005.
- [C25-05] Blankenburg, B.; Ramchurn; Gopal; Jennings, N.; Klusch, M. (2005): Trusted Kernel-Based Coalition Formation. Proceedings of the 4th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Utrecht, The Netherlands, July 2005.
- [C24-04] Da Silva, J.C.; Klusch, M.; Lodi, S.; Moro, G.L. (2004): Inference attacks in peer-to-peer homogeneous data mining. Proceedings of the European Conference on Artificial Intelligence (ECAI), Valencia, Spain.
- [C23-04] Blankenburg, B.; Klusch, M. (2004): On Safe Kernel Stable Coalition Forming Among Agents. Proceedings of the 3rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), New York, USA
- [C22-04] Klusch, M. (2004): Toward Intelligent Agents on Quantum Computers. Proceedings of the 3rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), NY, USA
- [C21-03] Klusch, M., Lodi, S., Moro, G-L. (2003): The Role of Agents in Distributed Data Mining: Issues and Benefits. Proceedings of the 2nd IEEE International Conference on Intelligent Agent Technology (IAT), Halifax, Canada
- [C20-03] Klusch, M., Lodi, S., Moro, G-L. (2003): Distributed Clustering Based on Sampling Local Density Estimates. Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI), Acapulco, Mexico
- [C19-03] Blankenburg, B., Klusch, M., Shehory, O. (2003): Fuzzy Kernel-Stable Coalitions Between Rational Agents. Proceedings of the 2nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Melbourne, Australia.
- [C18-03] Gerber, A., Klusch, M. (2003): DCF-S: A Dynamic Coalition Formation Scheme for Rational Agents. Proceedings of the 2nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Melbourne, Australia.

- [C17-03] Klusch, M., Lodi, S., Moro, G-L. (2003): Issues of Agent-Based Distributed Data Mining. Proceedings of the 2nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), Melbourne, Australia.
- [C16-02] Gerber, A., Russ, C., Klusch, M. (2002): An Agent-Based Approach for Integrating Logistics Services into a B2B Marketplace. Proceedings of the 3rd International Conf. on Internet Computing (IC), Las Vegas, USA.
- [C15-02] Gerber, A., Kammenhuber, N., Klusch, M. (2002): CASA: A Distributed Holonic Multiagent Architecture for Timber Production. Proceedings of the 1st International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS), Bologna, Italy.
- [C14-02] Klusch, M., Gerber, A. (2002): Issues of Dynamic Coalition Formation Among Rational Agents on the Internet. Proceedings of the 2nd International Conference on Knowledge Systems for Coalition Operations (KSCO), Toulouse, France.
- [C13-01] Klusch, M., Gerber, A. (2001): An agent-based mobile e-commerce service platform for forestry and agriculture. Proceedings of the 2nd Asia-Pacific Conference on Intelligent Agent Technology (IAT), Japan.
- [C12-01] Schillo, M.; H.-J. Bürckert; M. Klusch; K. Fischer (2001): Towards a Definition of Robustness for Market-Style Open Multi-Agent Systems. Proceedings of the 5th International Conference on Autonomous Agents, Montreal, Canada, ACM Press.
- [C11-01] Gerber, A., Russ, C., Klusch, M., Zinnikus, I. (2001): Holonic Agents for the Coordination of Supply Webs. Proceedings of the Intl. Conference on Autonomous Agents (Agents 2001), Montreal, Canada
- [C10-01] Schillo, M., Bürkert, H.-J., Klusch, M., Fischer, K. (2001): Applying Sociological Theory to Designing Autonomous Agents for Robust E-Commerce Markets. Proceedings of the International Conference on Autonomous Agents (Agents 2001), Montreal, Canada
- [C09-00] Jonker, C., Klusch, M., and Treur, T., (2000): Design of Collaborative Information Agents, Proceedings of the 12th Belgium-Netherlands Artificial Intelligence Conference (BNAIC), pp. 305 - 306.
- [C08-99] Contreras, J.; Klusch, M.; Vielhak, T.; Yen, J.; Wu, F. (1999): Multi-Agent Coalition Formation in Transmission Planning: Bilateral Shapley Value and Kernel Approaches. Proceedings of the 13th International Power Systems Computation Conference (PSCC), Trondheim, Norway.

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- [C05-97] Klusch, M.; Contreras, J.; Wu, F.; Shehory, O. (1997): Coalition Formation in a Power Transmission Planning Environment. Proceedings of the 2nd International Conference on Practical Applications of Multi-Agent Systems PAAM-97, April 1997, London (UK)
- [C04-96] Klusch, M.; Shehory, O. (1996): A Polynomial Kernel-Oriented Coalition Algorithm for Rational Information Agents. Proceedings of the 2nd International Conference on Multi-Agent Systems ICMAS-96, 9.-13.12.1996, Kyoto (Japan), AAAI Press
- [C03-95] Klusch, M.: Cooperative Discovery of Interdatabase Dependencies by Coalitions of Rational Information Agents. Proceedings of the 20th International Conference ITP-95 on Interaction between Intelligent Entities, 16.-21.6.1995, Plovdiv (Bulgarien)
- [C02-95] Klusch, M. (1995): Coalition-based cooperation between intelligent agents for a contextual recognition of interdatabase dependencies. Proceedings of the 1st International Conference on Multi-Agent Systems ICMAS-95, 12.-14.6.1995, San Francisco, USA
- [C01-93] Klusch, M. (1993): HNS: a hybrid neural system and its use for the classification of stars. Proceedings of International Joint Conference on Neural Networks IJCNN-93, 10/1993, Nagoya (Japan), pp.687-692

Workshop and Symposium Papers

- [W33-09] Klusch, M.; Kapahnke, P. (2009): OWLS-MX3: An Adaptive Hybrid Semantic Service Matchmaker for OWL-S. Proceedings of 3rd International Workshop on Semantic Matchmaking and Resource Retrieval (SMR2) at ISWC, Washington, USA; CEUR 525.

- [W32-08] Klusch, M.; Kapahnke, P. (2008): Semantic Web Service Selection with SAWSDL-MX. CEUR Proceedings of 2nd International Workshop on Semantic Matchmaking and Resource Retrieval (SMR2) at ISWC, Karlsruhe, Germany.
- [W31-08] Klusch, M.; Nesbigall, S.; Zinnikus, I. (2008): Model-Driven Semantic Web Service Matchmaking for Collaborative Business Processes. CEUR Proceedings of 2nd International Workshop on Semantic Matchmaking and Resource Retrieval (SMR2) at ISWC, Karlsruhe, Germany
- [W30-08] Hahn, C.; Nesbigall, S.; Warwas, S.; Fischer, K.; Klusch, M. (2008): Model-Driven Agents for Semantic Web Services. Proceedings International Workshop on Modeling, Design, and Analysis for Service-oriented Architecture (MDA4SOA), Chikago, USA.
- [W29-07] Klusch, M.; Kaufer, F. (2007): Performance of Hybrid WSML Service Matching with WSMO-MX: Preliminary Results. Proceedings of 1st Intl Joint Workshop on Semantic Matchmaking and Resource Retrieval, at Intl Semantic Web Conference, Busan, Korea.
- [W28-07] Klusch, M.; Xing, Z. (2007): Semantic Web Services in the Web: A Preliminary Reality Check. CEUR Proceedings of 1st International Joint Workshop on Semantic Matchmaking and Resource Retrieval, at Intl. Semantic Web Conference (ISWC), Busan, Korea.
- [W27-07] Klusch, M.; Fries, B. (2007): Hybrid OWL-S Service Retrieval with OWLS- MX: Benefits and Pitfall. Proceedings of 1st Intl. Joint Workshop on Semantic Matchmaking and Resource Retrieval, at Intl. Semantic Web Conference, Busan, Korea.
- [W26-07] Da Silva, J.C.; Klusch, M. (2007): Privacy Preserving Pattern Discovery in Distributed Time Series. Proceedings of 3rd Intl. Workshop on Privacy Data Management (PDM), Istanbul, Turkey, IEEE CS Press.
- [W25-06] Blankenburg, B.; He, M.; Klusch, M.; Jennings, N.R. (2006): Risk-Bounded Formation of Fuzzy Coalitions Among Service Agents. Proceedings of 10th Intl Workshop on Cooperative Information Agents, LNAI 4149, Springer, Edinburgh, UK.
- [W24-06] Klusch, M.; Renner, K-U. (2006): Fast Dynamic Re-Planning of Composite OWL-S Services. Proceedings of 2nd IEEE Intl. Workshop on Service Composition (SerComp), IEEE CS Press, Hongkong, China.

- [W23-06] Klusch, M.; Gerber, A. (2006): Evaluation of Service Composition Planning with OWLS-XPlan. Proceedings of 2nd IEEE Intl Workshop on Service Composition (SerComp), IEEE CS Press, Hongkong, China.
- [W22-06] Klusch, M., Hutter, D., Volkamer, M., Gerber, A. (2006): Provably secure execution of composed semantic web services. Proceedings of the 1st Intl. Workshop on Privacy and Security of Agent-Based Collaborative Environments (PSACE), AAMAS 2006 Conference, Hakodate, Japan.
- [W21-05] Da Silva, J.C.; Klusch, M. (2005): CoDOTS: Secure outlier detection in distributed time series. Proceedings IEEE International Conference on Data Mining (ICDM) Workshop on Temporal Data Mining, Houston, USA.
- [W20-05] Möller, T.; Schuldt, H.; Gerber, A.; Klusch, M. (2005): Semantic Service Composition and Co-ordination in CASCOM. Proceedings of 3rd International Workshop on Healthcare Digital Libraries (HDL), Vienna, Austria.
- [W19-05] Klusch, M.; Fries, B.; Khalid, M., Sycara, K. (2005): OWLS-MX: Hybrid Semantic Web Service Retrieval. Proceedings of the 1st International AAAI Fall Symposium on Agents and the Semantic Web, Arlington VA, USA, AAAI Press, 2005
- [W18-05] Klusch, M.; Gerber, A.; Schmidt, M. (2005). TSemantic Web Service Composition Planning with OWLS-XPlan. Proceedings of the 1st International AAAI Fall Symposium on Agents and the Semantic Web, Arlington VA, USA, AAAI Press.
- [W17-05] Blankenburg, B.; Klusch, M. (2005): BSCA-F: Fuzzy Bilateral Shapley Value Based Coalition Forming. Proceedings of the International IJCAI-2005 Workshop on Game Theory and Decision Theory (GTDT), Edinburgh.
- [W16-05] Helin, H. et al. (2005): Context-aware business application service co-ordination in mobile computing environments. Proceedings of the International AAMAS-2005 Workshop on Ambient Intelligence, Utrecht
- [W15-02] Gerber, A., Klusch, M. (2002): Issues of Dynamic Coalition Formation Among Rational Agents. Proceedings of the International Workshop on Teamwork and Coalition Formation, at AAMAS 2002 Conference, Bologna.
- [W14-02] Gerber, A., Klusch, M. (2002): Integration of Logistics Services into an Electronic Marketplace using Multiagent Technology. Proceedings of the 14th International CAISE Workshop on Web Services & E-Business Technology, Toronto, CA.

- [W13-01] Klusch, M., Gerber, A. (2001): CASA: Agents for mobile integrated commerce in forestry and agriculture (Long version). Proceedings of the International IJCAI Workshop E-Business & Intelligent Web, Seattle, USA.
- [W12-01] Fischer, K., Hutter, D., Klusch, M., Stephan, W. (2001): Towards a methodology for the design of secure mobile multi-agent system. Proceedings of the International Workshop on Security and mobile multi-agent systems.
- [W11-00] Jonker, C., Klusch, M., Treur, J. (2000): Design of collaborative information agents. Proceedings of the 4th International Workshop on Cooperative Information Agents, LNAI series, 1860, Springer.
- [W10-99] Klusch, M. (1999): Intelligent Agents and Electronic Commerce. Invited Paper in Proceedings of International Symposium IMPACT-99 (Impact of agent technology on telecommunications), Seattle, USA, ISSN 0904188647.
- [W09-99] Sycara, K.; Lu, J.; Klusch, M.; Widoff, S. (1999): Matchmaking Among Heterogeneous Agents in the Internet. Proceedings AAAI Spring Symposium on Intelligent Agents in Cyberspace, Stanford, USA.
- [W08-96] Klusch, M.; Shehory, O. (1996): Coalition Formation Among Rational Information Agents. Proceedings of the 7th European Workshop on Modelling Autonomous Agents in a Multi-Agent World MAAMAW-96, 22.-25.1.1996, Eindhoven (Netherlands), W. van de Velde/J. Perram (Eds.), LNAI Series, 1038:204-217, Springer
- [W07-95] Klusch, M. (1995): Cooperative Recognition of Interdatabase Dependencies. Proceedings of the 2nd ACM SIGMOD International Workshop on Advances in Databases and Information Systems ADBIS-95, 27.-30.6.1995, Moskau, J. Eder, L.A.Kalinichenko (Eds.) Wshps in Computing Series, Springer
- [W06-95] Klusch, M. (1995): Utilitarian coalition formation between information agents for a cooperative discovery of interdatabase dependencies. Proceedings of the 19th German Conference on Artificial Intelligence KI-95, Workshop on Organizational Aspects in Multiagent Systems, 11.-13.9.1995, Bielefeld
- [W05-95] Klusch, M. (1995): Cooperative Recognition of Interdatabase Dependencies. Proceedings of the International Workshop on Description Logics DL-95, 2.-3.6.1995, Rom Italy), Rap. 0795, Dipartimento di Informatica, University of Rome, pp. 72-79

- [W04-95] Klusch, M. (1995): Towards a federative cell system FCSI for a context-based recognition of interdatabase dependencies. Proceedings of the 18th International ETCE-95 Symposium on Knowledge-based Systems in Engineering Applications, 29.1.- 1.2.1995, Houston (USA), ASME PD-Vol. 67, pp. 233-24
- [W03-94] Klusch, M. (1994): Using a cooperative agent system FCSI for a context-based recognition of interdatabase dependencies. . Proceedings of the CIKM-94 International Workshop on Intelligent Information Agents, 2.12.1994, Gaithersburg (USA)
- [W02-94] Klusch, M.: Towards a federative cell system FCSI for a context-based recognition of interdatabase dependencies, Proceedings of the 6th GI-Workshop "Grundlagen von Datenbanken", Bad Helmstedt, September 1994, Bericht TR-94-01, U Magdeburg, 87-91, 1994
- [W01-94] Klusch, M. (1994): Using a hybrid neural system for astronomical classification tasks. Proceedings of the OAGM/DAGM Symposium 'Mustererkennung' ME-94, 21.9.-24.9.1994, Wien, TU Wien Informatik XPress 5, pp.281-287

Technical Reports

- [R03-04] Siekmann, J.; Fischer, K.; Hutter, D.; Klusch, M.; Stephan, W. (2004): Security in Mobile Multiagent Systems. Final Project Report BMBF-FKZ 01 IW A01, DFKI Saarbrücken, Germany.
- [R02-98] Sycara, K.; Lu, J.; Klusch, M. (1998): Interoperability among Heterogeneous Software Agents on the Internet. Technical Report CMU-RI-TR-98-22, Carnegie Mellon University, Robotics Institute, Pittsburgh, USA
- [R01-93] Klusch, M. (1993): HNS – A Hybrid Neuronal System for Classification of Stars. Universität Kiel, Institut für Informatik und Praktische Mathematik, Technischer Bericht 9308, Kiel, Germany

11. Scientific Talks

The list of my scientific talks is structured into (a) non-published talks, that are invited talks given at different institutions and conferences without associated publication, and (b) published talks, that are regular conference talks with respective publication. Please note that non-published talks I have given at scientific advisory board and internal meetings of DFKI, internal project review meetings, as well as business project related presentations at companies are not listed.

Invited Talks

1. Agents and Semantics: Empowering the Internet of Services.
KSRI Speaker Series, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany, 13.1.2010
2. Semantic Service Retrieval: Tools, Evaluation and Challenges.
Keynote Talk at European Conference on Web Services ECOWS – Semantic Web Services Challenge Workshop, Eindhoven, The Netherlands, 8.11.2009
3. Agents and Semantics: Empowering the Internet of Services.
CETINIA Lecture Series, Universidad Rey Juan Carlos, Madrid, Spain, 24.11.2009
4. Agent-Based Semantic Service Coordination.
CS3 Seminar, Center for Complex Software Systems and Services, Swinburne University, Melbourne, Australia, 24.4.2009
5. Agent-Based Semantic Service Coordination.
Habilitation Talk, University of the Saarland, Saarbruecken, Germany, 16.2.2009.
6. Fraunhofer Institute for Information and Data Processing (IITB), Symposium on Agent-Based Computing, Karlsruhe, June 19, 2008
7. 2nd German Conference on Multi-Agent System Technologies MATES 2004, Erfurt, Germany, September 29, 2004
8. University of Trento, Department of Information and Communication Technology
Trento, Italy, Januar 13, 2003
9. University of Twente, Computer Science Department, Enschede, The Netherlands, April 15, 2003

10. International University of Bremen, Bremen, Germany, April 3, 2003
11. University of Osnabrück, Osnabrück, April 1, 2003
12. University of Trento, Department of Information and Communication Technology, Trento, Italy, July 12, 2002.
13. Danube University Krems, Austria, December 11, 2001
14. University of Aberdeen, Computer Science Department, Aberdeen, Scotland (UK), May 5, 2000
15. Free University of Berlin, Institut für Informatik, Berlin, Germany, October 11, 2001
16. Keynote Talk at International Conference IMPACT-99, Seattle, USA, Nov 2, 1999
17. Invited Expert Talk, European Commission, ISPO Meeting. Brussels, Belgium, June 28, 1999
18. University of Karlsruhe, AIFB Karlsruhe, Germany, June 25, 1999
19. Deutsches Forschungszentrum für Künstliche Intelligenz, Saarbrücken, Germany, October 12, 1998
20. ETH Zürich, Database and Information Systems, Zürich, Switzerland, July 10, 1998
21. ETH Zürich, Computer Science, Zürich, Switzerland, July 9, 1998
22. Keynote Talk, 1st German Joint Workshop on DAI, Databases and Information Retrieval (VDI) Chemnitz, Germany, April 17, 1998
23. Arizona State University, Electrical Engineering and Computer Science, Tempe/Phoenix AZ, USA, February 5, 1995
24. University of Cambridge, Institute for Astronomy and Astrophysics. Cambridge, UK, September 28, 1994
25. Technical University of Vienna, Department for Economy and Business. Vienna, Austria, April 27, 1994

Conference Talks

1. OWLS-MX3: Adaptive Hybrid Semantic Matchmaker for OWL-S Services. 3rd International Workshop SMR2 der International Semantic Web Conference (ISWC), Washington DC, USA, 25.10.2009
2. Adaptive Hybrid Semantic Selection of SAWSDL Services. 6th European Semantic Web Conference (ESWC), Heraklion, Greece, 2.5.2009
3. Quantum Service Selection. International IEEE/ACM International Conference on Intelligent Agent Technology (IAT), Sydney, Australia, 12.12..2008
4. Toward Quantum Matchmaker Agents. International IEEE/ACM International Conference on Intelligent Agent Technology (IAT), Sydney, Australia, 10.12.2008
5. Model-Driven Semantic Web Service Matchmaking for Collaborative Business Processes. International IEEE/ACM International Conference on Intelligent Agent Technology (IAT), Sydney, Australia, 10.12.2008
6. Model-driven Approach to the Integration of Multiagent Systems and Semantic Web Services. International IEEE/ACM International Conference on Intelligent Agent Technology (IAT), Sydney, Australia, 12.12.2008
7. Semantic Web Service Selection with SAWSDL-MX. 2nd International Workshop on Semantic Matchmaking and Resource Retrieval (SMR2) at ISWC, Karlsruhe, Germany, 27.10.2008
8. Model-Driven Semantic Web Service Matchmaking for Collaborative Business Processes. 2nd International Workshop on Semantic Matchmaking and Resource Retrieval (SMR2) at ISWC, Karlsruhe, Germany, 27.10.2008
9. Hybrid Semantic Web Service Retrieval: A Case Study with OWLS-MX. 2nd IEEE International Conference on Semantic Computing (ICSC), Santa Clara, USA, 5.8.2008
10. Hybrid Semantic Web Service Matchmaking with OWLS-MX: Benefits and Pitfalls. 6th International Semantic Web Conference (ISWC), Busan, Korea, 11.12.2007
11. Deployed Semantic Services for the Common User of the Web: A Reality Check. 2nd IEEE International Conference on Semantic Computing (ICSC), Santa Clara, USA, 5.8.2008
12. Semantic Web Services: A Preliminary Reality Check. 6th International Semantic Web Conference (ISWC), Busan, Korea, 11.12.2007

13. Fast Composition Planning of OWL-S Services and Application. 4th IEEE European Conference on Web Services, Zurich, Switzerland, 2006
14. WSMO-MX: A Logic Programming Based Hybrid Service Matchmaker. 4th IEEE European Conference on Web Services, Zurich, Switzerland, 2006
15. Fast Dynamic Re-Planning of Composite OWL-S Services. 2nd IEEE International Workshop on Service Composition, Hongkong, China, 2006
16. Evaluation of Service Composition Planning with OWLS-XPlan. 2nd IEEE International Workshop on Service Composition, Hongkong, China, 2006
17. RS2D: Fast Adaptive Search for Semantic Web Services in Unstructured P2P Networks. 5th International Semantic Web Conference, Athens, USA, 2006
18. Risk Driven Semantic P2P Service Retrieval. 6th IEEE International Conference on P2P Computing, Cambridge, UK, 6.9.2006
19. Hybrid Semantic Web Service Retrieval with OWLS-MX. 5th International Conference on Autonomous Agents and Multi-Agent Systems, Hakodate, Japan, 2006
20. Secure Web Service Composition. 1st International workshop on Privacy and Security of Agent-Based Collaborative Environments (PSACE), Hakodate, Japan, 2006
21. Semantic Web Service Composition Planning with OWLS-XPlan. 1st International AAAI Fall Symposium on Agents and the Semantic Web, Arlington VA, USA, 2005
22. Coordination of Quantum Internet Agents. 4th International Conference on Autonomous Agents and Multiagent Systems, Utrecht, The Netherlands, 2005
23. Privacy-Preserving Coalition Formation Among Rational Service Agents. 3rd German Conference on Multi-Agent System Technologies, Koblenz, Germany, 2005
24. CASA: A Distributed Holonic Multiagent Architecture for Timber Production. 1st International Conference on Autonomous Agents and Multi-Agent Systems, Bologna, Italy, 2002
25. An agent-based mobile e-commerce service platform for forestry and agriculture. 2nd Asia-Pacific Conference on Intelligent Agent Technology, Maebashi, Japan, 2001.
26. Coalition Formation in a Power Transmission Planning Environment. 2nd International Conference on Practical Applications of Multi-Agent Systems, London, UK, 1997

27. A Polynomial Kernel-Oriented Coalition Algorithm for Rational Information Agents. 2nd International Conference on Multi-Agent Systems, Kyoto, Japan, 1996
28. Cooperative Recognition of Interdatabase Dependencies. International Workshop on Description Logics, Rome, Italy, 1995
29. FCSI: Towards context-based recognition of interdatabase dependencies. 18th International ETCE, Symposium on Knowledge-based Systems in Engineering Applications, Houston, USA, 1995
30. Coalition-based cooperation between intelligent agents for a contextual recognition of interdatabase dependencies. 1st International Conference on Multi-Agent Systems, San Francisco, USA, 1995
31. Using a hybrid neural system for astronomical classification tasks. OAGM/DAGM International Joint Symposium on Pattern Recognition, Vienna, Austria, 1994
32. HNS: a hybrid neural system and its use for the classification of stars. IEEE International Joint Conference on Neural Networks, Nagoya, Japan, 1993

12. Teaching Experience

My teaching experience builds upon courses, lectures and seminars I have given at the universities of Kiel, Amsterdam and Saarbrücken, as well as tutorials at conferences and summer schools.

Courses

1. In-Depth Course C6139 **“Intelligent Information Agents for the Internet and Web”** (2 hrs per week). Computer Science Department of the University of the Saarland, Saarbrücken, Germany; Summer semester 2005. Oral exams.
Syllabus: <http://www.dfki.de/~klusch/I2A-UDS-2005.html>
Avg. number of attendees : 76
2. In-Depth Course C6132 **“Intelligent Information Agents for the Internet and Web”** (2 hrs per week) at the computer science department of the University of the Saarland, Saarbrücken, Germany; Summer semester 2004. Oral exams.
Syllabus: <http://www.dfki.de/~klusch/I2A-UDS-2004.html>
Avg. number of attendees : 42
3. Special Course **“Information Agent Technology I”** (6 hrs per week, block) at the department for AI of the Free University of Amsterdam, The Netherlands; Summer semester 2000. Plus exercises (2hrs per week).
Syllabus: <http://www.cs.vu.nl/~iia>
Avg. number of attendees : 35
4. Special Course **“Information Agent Technology I”** (6 hrs per week, block) at the department for AI of the Free University of Amsterdam, The Netherlands; Summer semester 2001. Plus exercises (2hrs per week).
5. Special Course **“Information Agent Technology II”** (6 hrs per week, block) at the department for AI of the Free University of Amsterdam, The Netherlands; Fall semester 2000. Plus exercises (2hrs per week). Syllabus: <http://www.cs.vu.nl/~iia>
6. Special Course **“Information Agent Technology II”** (6 hrs per week, block) at the department for AI of the Free University of Amsterdam, The Netherlands; Fall semester 2001. Plus exercises (2hrs per week).
7. Basic Course **“Einführung in die Informatik”** (4 hrs per week) at the Chemnitz University of Technology, Germany; Summer semester 1997. Plus exercises (2 hrs per week). Part 1: Grundlagen der Informatik, Part 2: Höhere Programmiersprachen und PASCAL, Part 3: Betriebssysteme, Part 4: Datenbanksysteme, Part 5: Internet: Werkzeuge und Dienste.

Lectures

1. Visiting Professor Lecture “**Agents and Semantics: Empowering the Internet of Services**” (1hr), 29.4.2009, TU Swinburne in Melbourne (Australia), ICT Faculty.
2. Inaugural Lecture “**Agents and Semantics: Empowering the Internet of Services.**” 15.7.2009, University of the Saarland, Saarbruecken, Germany.
3. Lecture “**Intelligent Information Agents**” (2hrs), 8.2.2007, part of the Course „Künstliche Intelligenz“ of Prof. Dr. Jörg Siekmann at the University of the Saarland, Saarbrücken, Germany
4. Lecture CS650 “ **Intelligente Informationsagenten**” (2hrs), part of “Ringvorlesung zu Perspektiven der Informatik”, 30.10.2006, at the University of the Saarland, Saarbrücken, Germany.
5. Lecture “**Intelligente Informationsagenten**”, part of “Ringvorlesung zu Perspektiven der Informatik”, 1.2.2006, at the University of the Saarland, Saarbrücken, Germany.
6. Lecture “**Searching the Web via Hyperlink Analysis**”. University of Osnabrück, Computer Science Department. April 1, 2003
7. Lecture “**Föderierte Datenbanksysteme**” (2 hrs) at the department of systems for information management of the Christian-Albrechts-University of Kiel, Germany; Summer semester 1994.

Tutorials

1. Tutorial *Intelligent Information Agents: Key Enabling Technologies, Systems, and Challenges*. Presented at 5th European Agent Systems Spring School (EASSS 2003) Barcelona, Spain, February 11, 2003
2. Tutorial *Intelligent Information Agents: Key Enabling Technologies, Systems, and Challenges*. Presented at 4th European Summer School on Agent-Based Systems (EASSS 2002) Bologna, Italy, July 9, 2002
3. Tutorial *Intelligent Information Agents*. Presented at ECCAI 2001 Summer School. Prague, Czech Republic, July 12, 2001
4. Tutorial *Information Agent Systems*. Presented at 2nd European Agent Systems Summer School (EASSS 2000), Saarbrücken, Germany, August 15, 2000

5. Tutorial *Information Agent Technology for the Internet: State of the Art and Challenges*. Presented at 3rd Intl. Conference on Autonomous Agents (Agents-2000). Barcelona, Spain, June 3, 2000
6. Tutorial *Intelligent Information Agents on the Internet*. Presented at 4th Intl. Conference on Practical Application of Intelligent Agents and Multi-Agent Technology (PAAM-99) London, UK, April 19, 1999. Together with Pete Edwards, University of Aberdeen, UK
7. Tutorial *Cooperative Information Agents – State of the Art and Challenges*. Presented at International Symposium on Advances in Database and Information Systems (ADBIS-99), Maribor, Slovenia, September 13, 1999

Seminars

1. Seminar on **Semantic Web Services**. Graduate level; University of the Saarland, Computer Science Department; Summer semester 2008.
<http://www-ags.dfki.uni-sb.de/~klusch/seminar-SWS06/>
2. Seminar on **Semantisches Web und Agenten (Semantic Web and Agents)**. Graduate level; University of the Saarland, Computer Science Department; Fall semester 2006/2007. <http://www.dfki.de/~klusch/seminar-SWS06/>
3. Seminar on **Spieltheoretische Kooperationsverfahren (Game-Theoretic Cooperation Methods)**. Graduate level; University of the Saarland, Computer Science Department; Fall semester 2006/2007.
<http://www.dfki.de/~klusch/seminar-SKV06/>
4. Seminar C500 on **Semantic Web Services and Agents**. Graduate level; University of the Saarland, Computer Science Department; 3hrs per week; Fall semester 2005/2006. <http://www.dfki.de/~klusch/seminar-ws2005/index.html>
5. As Phd Student (Research Assistant), I have been also involved in the execution of seminars on **selected topics in the area of advanced database and knowledge based systems**; (2hrs per week) at the computer science department of the Christian-Albrechts-University of Kiel, Germany, during all semesters in the years of 1992 to 1996.
In addition, I have conducted exercises of basic courses on computer science (Informatik I - IV) and database systems at the computer science department of the Christian-Albrechts-University of Kiel, Germany, in all semesters of the years 1992 to 1996.

13. Scientific Advisory of Students

As part of my research and teaching activities at different universities in Kiel, Amsterdam and Saarbrücken, I have been involved in supervising bachelor, master and doctoral students as scientific advisor of their work. Further, I have been invited from other universities to serve as member of PhD committees.

Doctoral Students

1. Jan Richter: *Fuzzy Negotiation Mechanisms*. Swinburne University of Technology, ICT Faculty. Co-Advisor. Advisor: Prof. Richard Kowalczyk. (ongoing)
2. Rene Schubotz. *Semantic 3D Technologies for Aircraft Cockpit Designs*. Universität des Saarlandes, FR Informatik, Jointly with EADS Munich. Advisor; Supervisor: Prof. P. Slusallek. (ongoing)
3. Bastian Blankenburg. *Flexible and Trusted Coalition Forming Between Service Agents in the Internet*. Universität des Saarlandes, FR Informatik, Advisor; Supervisor: Prof. J. Siekmann. (ongoing)
4. Josenildo Costa da Silva. *Privacy Preserving Distributed Data Mining*. Universität des Saarlandes, FR Informatik, Advisor; Supervisor: Prof. J. Siekmann. DAAD-CAPES. (ongoing)
5. Safdar Ali: *Semantic Interoperability of Ambient Intelligent Medical Devices and e-Health Systems*. Universität des Saarlandes, Fraunhofer Institut für Biomedizinische Technik (IBMT). Advisor; Supervisors at Fraunhofer IBMT: Prof. Günther Fuhr, Stephan Kiefer, Supervisor at MPI: Prof. Gerhard Weikum. 2007 - 2010 (finished)
6. Andreas Gerber. *Flexible Cooperation Between Autonomous Agents in Dynamic Environments*. Universität des Saarlandes, FR Informatik. Advisor; Supervisor: Prof. J. Siekmann, 2000 - 2004 (finished)
7. Helena Maria Pereira Nunes. *Adaptive Semantic Web Service Matchmaking*. Universität des Saarlandes, FR Informatik. Advisor. Supervisor: Prof. J. Siekmann. DAAD-CAPES 2004 / 2005.

PhD Committee Memberships

1. Xiaofeng Zhang. *A Model-based Approach for Distributed Data Mining*. Honkong Baptist University, Computer Science Department, Hongkong, China, 2007.

2. David Sanchez Ruenes. *Domain Ontology Learning From The Web*. Universitat Politecnica de Catalunya, Barcelona, Spain, 2007.
3. Andreas Gerber. *Flexible Cooperation Between Autonomous Agents in Dynamic Environments*. Universität des Saarlandes, 2004.
4. Miquel Montaner Rigall. *Recommender Agents Based on Case-Based Reasoning and Trust*. Universitat de Girona, Spain, 2003.
5. Christian Gerber. *Self-Adaptation and Scalability in Multi-Agent Societies*. Universität des Saarlandes, 2000

Diploma, Master, and Bachelor Students

1. Alexander Marcus Uwe Wickert: *Semantische Dienstselektion für modellgetriebene Geschäftsprozesse in jABC: Analyse, Integration und Evaluation*. Co-Supervisor with Prof. Tiziana Margaria, Universität Potsdam, Master, (ongoing).
2. Martin Vasileski: *iSmoogle: An Intelligent Search Engine for Semantic Web Services*. Universität des Saarlandes, FR Informatik, Master (ongoing).
3. Weijia Shao: *RS2D 3.0: Semantic service discovery in hybrid P2P networks*. Universität des Saarlandes, FR Informatik, Bachelor/Master (ongoing).
4. Stefan Nesbigall. *Quantum Coordination of Multiagent Systems*. Universität des Saarlandes, FR Informatik, Master, (finished) 2007.
5. Christine Walter. *COALA-3: Simulation of Strategic Trust and Deceit in Coalition Negotiations*. Universität des Saarlandes, FR Informatik, Master, (finished), 2009.
6. Can Kayali. *Hybrid partial OWL ontology matching for service selection in the semantic web*. Universität des Saarlandes, Master (finished), 2008. Advisor; Supervisor: Prof. J. Siekmann.
7. Kai-Uwe Renner. *Heuristische on-line Kompositionsplanung von semantischen Webdiensten mit OWLS-Xplan+ und Anwendungen* [Heuristic online semantic Web service composition planning with OWLS-Xplan+]. Universität des Saarlandes, FR Informatik, Diplom. Co-Advisor with Dr Andreas Gerber; Supervisor: Prof. J. Siekmann. (finished), 2007

8. Johannes Wender. *XPlanA: Situiert adaptives Offlineplanen für Agenten mittels maschineller Lernverfahren* [Situating adaptive planning with XplanA]. Universität des Saarlandes, FR Informatik, Diplom. Co-Advisor with Dr. Andreas Gerber and Dr. Thorsten Maier. Supervisor: Prof. J. Siekmann. (finished) 2007.
9. Frank Kaufer. *WSMO-MX: Logic programming based hybrid semantic web service matchmaker*. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2007.
10. Rene Schubotz. *Programming of quantum matchmaker agents*. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2007.
11. Oliver Fourman. *OWLS2WSDL: Tool and experimental analysis*. HTW des Saarlandes & Universität des Saarlandes, FH Master, Co-Supervisor: Prof. Güttler (finished) 2007.
12. Zhiguo Xing. *Semantic web service discovery: A reality check*. Universität des Saarlandes, FR Informatik, Master. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2007.
13. Ulrich Basters. *RS2D: Risikobasierte semantische Suche nach OWL-S Diensten in unstrukturierten P2P-Netzen. [RS2D: Risk-Based OWL-S service discovery in unstructured P2P Networks]*. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2006
14. Benedikt Fries. *Hybrid OWL-S Semantic Web Service Retrieval with OWLS-MX*. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2006
15. Marco Schwingel. *Aspektorientierte Modellierung und Komposition von semantischen Webdiensten in OWL-S* [Aspect-oriented modelling and composition of semantic Web services in OWL-S]. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2005
16. Suleman Butt. *Interleaved Semantic Web Service Execution and Composition Planning*. Universität des Saarlandes, FR Informatik, Master. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2005
17. Bastian Blankenburg. *Unschärfe Koalitionen von Informationsagenten im Internet*. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2004

18. Wooseok Park. *Dynamische und vertrauensbasierte Koalitionen von Informationsagenten*. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2004.

19. Patrick Frotscher. *Ein Agentenbasierter Auktionsserver für Mobilen Elektronischen Handel im Internet* [Agent-based auction server for mobile timber trading in the Internet]. Universität des Saarlandes, FR Informatik, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2003

20. Nils Kammenhuber. *Grafische Oberfläche eines Agentenbasierten Informations- und Handelsnetzwerks* [Graphical User Interface for An Agent-based Information and Trading Network]. Universität des Saarlandes, Diplom. Advisor; Supervisor: Prof. J. Siekmann. (finished) 2002

21. René Schubert. *Eine Nutzerschnittstelle für kooperierende Informationsagenten* [User interface for cooperative information agents]. Technische Universität Chemnitz, FR Informatik, Diplom, Supervisors: Prof. W. Benn, Dr. M. Klusch; (finished) 1998

22. Hui Gao. *TEWIS: Implementierung eines Terminologischen Wissensrepräsentations- und Inferenzsystems* [A terminological knowledge representation and reasoning system]. Christian-Albrechts-Universität zu Kiel, FR Informatik, Diplom. Advisor; Supervisor: Prof. P. Kandzia. (finished) 1997

23. Olaf Scheew. *IDEAS: Implementierung einer Interaktiven Entwicklungsumgebung für Agentensysteme* [An Interactive Development Environment for Agent Systems], Christian-Albrechts-Universität zu Kiel, FR Informatik, Diplom. Advisor; Supervisor: Prof. P. Kandzia. (finished) 1996

24. Dirk Görtzen. *Vergleich und Implementierung von Ähnlichkeitsrelationen auf Basis des EER-Datenmodells* [Comparison and Implementation of Similarity Relations Based on the EER Data Model]. Christian-Albrechts-Universität zu Kiel, FR Informatik, Diplom. Advisor; Supervisor: Prof. P. Kandzia. (finished) 1995

25. Jameleddine Ben Jemaa. *Entwurf und Implementierung einer graphischen Oberfläche für den Kieler Simulator neuronaler Netzwerke KNNS*. Christian-Albrechts-Universität zu Kiel, FR Informatik, Diplom. Advisor; Supervisor: Prof. P. Kandzia. (finished) 1995

26. Hisham Sobeh. *Analytische Untersuchung zu den Lernalgorithmen des Kieler Simulators für neuronale Netze KNNS*. Christian-Albrechts-Universität zu Kiel, FR Informatik, Diplom. Advisor; Supervisor: Prof. P. Kandzia. (finished) 1994

14. List of Referees

Professor Michael Huhns

Center for Information Technology
Department of Computer Science and Engineering
University of South Carolina, Columbia, SC 29208, USA
E-Mail: huhns@sc.edu, Phone: +1 803 777 5921

Professor Frank van Harmelen

AI Department
Division of Mathematics and Computer Science
Vrije Universiteit Amsterdam
de Boelelaan 1081a, 1081HV Amsterdam, The Netherlands
E-Mail: Frank.van.Harmelen@cs.vu.nl , Phone: +31 20 598 7731

Professor Katia Sycara

Robotics Institute
Carnegie Mellon University
5000 Forbes Ave, Pittsburgh, PA 15213, USA
E-Mail: katia+@cs.cmu.edu, Phone: +1 412 268 8825, Fax: +1 (412) 268-5569.

Professor Boi Faltings

Artificial Intelligence Laboratory
Computer Science Department
Swiss Federal Institute of Technology (EPFL)
IN (Ecublens), CH-1015 Lausanne, Switzerland
E-Mail: Boi.Faltings@epfl.ch, Phone: +41 21 693 2735 ; Fax +41 21 693 5225

Professor Sarit Kraus

Department of Mathematics and Computer Science
Bar Ilan University; Ramat Gan, 52900 Israel
E-Mail: sarit@cs.biu.ac.il, sarit@umiacs.umd.edu; Phone: +972 3 531 8762

Professor Mike Papazoglou

INFOLAB
Faculty of Economics and Business Administration
Tilburg University, POB 90153, 5000 LE Tilburg, The Netherlands
E-Mail: mikep@uvt.nl; Phone: +31 13 466 2349