

CURRICULUM VITAE

Dr. Thomas Risse

Workplace Address

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Education

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| 01/2006 | Ph.D. Degree in Computer Science (Dr.-Ing.) from the Technical University Darmstadt, Germany
Dissertation: "Design and Configuration of Distributed Job Processing Systems"
Advisor: Prof. Dr. Erich J. Neuhold
Coadvisor: Prof. Dr. Karl Aberer |
| 10/1990 – 06/1997 | Study of Computer Science at the Technical University Darmstadt, Germany
Degree: Diplom Informatiker
Thesis: "Entwurf und Implementierung einer VRML Klassenbibliothek für ein objektrelationales Datenbanksystem auf Basis des VRML-2.0-Standards" |
| 06/1988 | General qualification for university entrance (Abitur) |

Occupation

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| Since 01/2007 | L3S Research Center of Leibniz Universität Hannover, Germany
Since 09/2011: Research Group Leader „Web Information Management“
Since 10/2008: Deputy Managing Director
Since 01/2007: Project Manager |
| 02/1998 – 12/2006 | Fraunhofer Institute for Integrated Publication System (FhG-IPSI) , Darmstadt, Germany (formerly GMD-IPSI)
05/2002 – 12/2006 Division Manager „Intelligent Information Environments“
02/1998 – 05/2002 Research associate |
| 07/1997 – 01/1998 | Developer at Dave GmbH, Haibach, Germany |

Special Trainings

- Seminar "Projekte planen und verhandeln" (07/2004)
- Management Training of Fraunhofer Gesellschaft in four phases (04/2002 – 08/2003)

Languages

- German (Mother tongue)
- English (fluently)

Research Projects

since 09/2015	SoBigData - SoBigData Research Infrastructure (EU H2020 eInfrastructures) A research infrastructure providing an integrated ecosystem for ethic-sensitive scientific discoveries and advanced applications of social data mining. Roles: Project Acquisition, L3S Project Management
01/2011 – 12/2013	ARCOMEM - From Collect-All Archives to Community Memories (EU-IP) Leveraging the Wisdom of the Crowds for Intelligent Preservation of Web and Social Web content Roles: Project Acquisition, Technical Director
02/2008 – 01/2011	LiWA – Living Web Archives (EU-STREP) Innovative methods and services for Web content capture, preservation, analysis and enrichment Roles: Project Acquisition, Project Coordinator
01/2007 – 12/2009	LINSearch - Linguistisches Indexieren und Suchen (bmwi) Development of combined statistical and linguistic methods to improve the search in digital libraries Role: L3S Project Management
04/2006 – 12/2006	FRESCO – Fraunhofer – e-Science Cockpit (bmbf) Pilot project for the development of an eScience Infrastructure for the Fraunhofer Gesellschaft Roles: Project Acquisition, Technical Director
01/2004 – 06/2007	BRICKS - Building Resources for Integrated Cultural Knowledge Services (EU-IP) Building a decentralized Digital Library Infrastructure for Europe Roles: Project Acquisition, Technical Director
2004	DILIGENT - A Digital Library Infrastructure on Grid ENabled Technology (EU-IP) Role: Project Acquisition
03/2002 – 11/2005	EurEauWeb - European Waterways Networked Information System (EU) Role: System Architect, Research Supervision at FhG-IPSI
06/1998 – 11/2000	POEM - Parallel Processing of Voluminous EDIFACT Documents (EU) Role: Research & Development

Mentored Ph.D. Students

- Dr. Predrag Knežević, High Data Availability and Consistency for Distributed Hash Tables Deployed in Dynamic Peer-to-Peer Communities (2007)
- Dr. Mohammad Alrifai, Service selection and transactional management for web service composition (2011)
- Dr. Nina Tahmasebi, Models and Algorithms for Automatic Detection of Language Evolution (2013)
- Gerhard Gossen, Focused Crawling of Web and Social Media for Research (to be submitted 2017)

Teaching

- Seminar „Datenmanagement für Peer-to-Peer und Grid-Computing“; Neuhold/ Risse, Knezevic, Mehta; WS 2005/2006, TU Darmstadt
- Seminar „Datenmanagement für Peer-to-Peer und Grid-Computing“; Neuhold/ Risse, Knezevic; SS 2005, TU Darmstadt
- Seminar „Datenmanagement für Peer-to-Peer und Grid-Computing“; Neuhold/ Risse, Knezevic; WS 2004/2005, TU Darmstadt
- Seminar „Datenintegration“; Neuhold/ Lehti, Risse; SS2004, TU Darmstadt
- Lecture and exercise „Grundlagen des Datenmanagement im WWW“; Neuhold/ Fankhauser, Risse; WS 2003/2004, TU Darmstadt
- Seminar „Mobile verteilte Informationssysteme Grundlage, Architektur und Anwendungen“; Neuhold/Wang, Meissner, Risse, Dawabi; WS 2003/2004, TU Darmstadt
- Seminar „XML-Datenmanagement“; Neuhold/ Lehti, Risse; SS 2003, TU Darmstadt
- Seminar „Datenmanagement für Peer-to-Peer und Grid-Computing“; Neuhold/ Risse, Knezevic; SS 2003, TU Darmstadt
- Lecture and exercise „Grundlagen des Datenmanagement im WWW“; Neuhold/ Fankhauser, Risse; WS 2002/2003, TU Darmstadt
- Seminar „Datenmanagement für Peer-to-Peer und Grid-Computing“; Neuhold/ Risse, Knezevic; WS 2002/2003

Invited Talks

- Improving the Freshness of Web Collections by Integrating Social Web and Focused Web Crawling. 2016 IFLA International News Media Conference. April 20-22, 2016. Hamburg, Germany
- Documenting Contemporary Society by Preserving Relevant Information from Twitter. Colloquium "DIGITAL HERITAGE" - Institute of European Ethnology / Cultural Anthropology (University Hamburg). January 6, 2016. Hamburg, Germany
- Web Observatory: Chancen und Probleme bei der Web-Archivierung. Internetlinguistik und Korpusanalyse 2015. May 1, 2015. Hannover, Germany
- Challenges and Approaches for Web Archive Creation and Usage. XV Congress of Catalan Archivists. May 29, 2015. Lleida, Spain
- The Role of Language Evolution in Digital Archives. April 20, 2015. KAIST, Daejeon, South Korea
- From Web Page Storage to Living Web Archives. JISC, the DPC and the UK Web Archiving Consortium Workshop - missing links: the enduring web, 21st July 2009, The British Library, London
- Thomas Risse; Tools and Infrastructures for Cultural Scientists; IuD e-Science-Workshop; 25. - 27.5.2006, Tokyo, Japan
- Thomas Risse; Elektronische Geschäftsberichte: Wo geht die Reise hin? CFO Gipfel, 18-20 Juni 2006, 18-20 Juni 2006, Montreux
- Thomas Risse; Service Oriented Computing; FiTech Gipfel, 22.-24. Juni 2003, Monte Carlo

Tutorials and Paneldiscussionen

- Thomas Risse, Claudia Niederée; Self-organizing Personal and Institutional Information Management: Challenges, Technologies and Lessons Learned (Half Day Tutorial); February, 27, 2008. Phitsanulok, Thailand; DEST 2008
- Thomas Risse; Approaches for Large Scale Digital Library (2hrs Tutorial), October, 15, 2007. Pereslavl, Russia; RCDL 2007

- Massimo Bertocini, Thomas Risse, Carlo Meghini, Jill Cousins, Britta Woldering, Rossella Caffo, David Dawson, Yoannis Yoannidis, Donatella Castelli; On the move towards the European Digital Library: BRICKS, TEL, MICHAEL and DELOS converging experiences (Panel); September, 17, 2007. Budapest, Hungary; ECDL 2007
- Thomas Risse, Carlo Meghini, Heiko Schuldt, Claudia Niederée; Approaches for Large Scale Digital Library Infrastructures by Example (Half Day Tutorial); September, 16, 2007. Budapest, Hungary; ECDL 2007
- Thomas Risse, Donatella Castelli, Carlo Meghini, Heiko Schuldt, Claudia Niederée, Pasquale Pagano, George Kakaletis; Building Digital Libraries on Service Oriented Architectures: Challenges, Experiences, and Results (Full Day Tutorial); June, 19, 2007. Vancouver, Canada; JCDL 2007
- Thomas Risse, Claudia Niederée, Yannis Ioanidis, Carlo Meghini, Heiko Schuldt; Bringing Digital Libraries to Distributed Infrastructures: Challenges, Solutions, and Lessons Learned (Full Day Tutorial); September, 17, 2006. Alicante, Spain; ECDL 2006

Publications

Books and Edited Journals

1. Fuhr, N.; Kovács, L.; Risse, T. & Nejd, W., ed. (2016), *Research and Advanced Technology for Digital Libraries - 20th International Conference on Theory and Practice of Digital Libraries, TPDL 2016, Hannover, Germany, September 5-9, 2016*, Springer , Vol. 9819
2. Risse, T.; Predoiu, L.; Nürnberger, A. & Ross, S., ed. (2015), *Proceedings of the 5th International Workshop on Semantic Digital Archives* , Vol. 1529 , CEUR-WS.org .
3. Risse, T.; Predoiu, L.; Mitschick, A.; Nürnberger, A. & Ross, S. (2015), 'Focussed issue on Semantic Digital Archives' , *Int. J. on Digital Libraries* **15** (2-4) .
4. Risse, T.; Predoiu, L.; Nürnberger, A. & Ross, S., ed. (2014), *Proceedings of the 4th International Workshop on Semantic Digital Archives (SDA 2014)* , Vol. 1306 , CEUR-WS.org .
5. Predoiu, L.; Mitschick, A.; Nürnberger, A.; Risse, T. & Ross, S., ed. (2013), *Proceedings of the 3rd International Workshop on Semantic Digital Archives co-located with 17th International Conference on Theory and Practice of Digital Libraries (TPDL 2013), Valetta, Malta, September 26, 2013* , Vol. 1091 , CEUR-WS.org .
6. Lugmayr, A., Risse, T., Stockleben, B., Kaario, J. & Laurila, K. (2009). Special issue on semantic ambient media experience.. *Multimedia Tools Appl.*, 44, 331-335.
Risse, T. (2005). An Overview on Automatic Capacity Planning.. In M. Hemmje, C. Niederée & T. Risse (eds.), *From Integrated Publication and Information Systems to Virtual Information and Knowledge Environments* (p./pp. 1-10), : Springer. ISBN: 3-540-24551-0
7. Hemmje, M., Niederee, C., Risse, T. (2005). *From Integrated Publication and Information Systems to Information and Knowledge Environments : Essays Dedicated to Erich J. Neuhold on the Occasion of His 65th Birthday*. Berlin Heidelberg: Springer-Verlag

Book Chapters

8. Risse, T., Peters, W., Senellart, P. & Maynard, D. (2014). Documenting Contemporary Society by Preserving Relevant Information from Twitter . In K. Weller, A. Bruns, J. Burgess, M. Mahrt & C. Puschmann (ed.), *Twitter and Society* (pp. 207-219) . Peter Lang .
9. Risse, T. (2005). An Overview on Automatic Capacity Planning.. In M. Hemmje, C. Niederée & T. Risse (eds.), *From Integrated Publication and Information Systems to Virtual Information and Knowledge Environments* (p./pp. 1-10), : Springer. ISBN: 3-540-24551-0
10. Niederée, C., Stewart, A., Muscogiuri, C., Hemmje, M. & Risse, T. (2005). Understanding and Tailoring Your Scientific Information Environment: A Context-Oriented View on E-Science Support.. In M. Hemmje, C.

Niederée & T. Risse (eds.), *From Integrated Publication and Information Systems to Virtual Information and Knowledge Environments* (p./pp. 289-298), : Springer. ISBN: 3-540-24551-0

Journal Publications

11. Tahmasebi, N., Borin, L., Capannini, G., Dubhashi, D., Exner, P., Forsberg, M., Gossen, G., Johansson, F., Johansson, R., Kågebäck, M., Mogren, O., Nugues, P. & Risse, T. (2015). Visions and open challenges for a knowledge-based culturomics. *International Journal on Digital Libraries*, 15, 169-187. doi: 10.1007/s00799-015-0139-1
12. Holzmann, H., Tahmasebi, N. & Risse, T. (2015). Named entity evolution recognition on the Blogosphere. *International Journal on Digital Libraries*, 15, 209-235. doi: 10.1007/s00799-014-0135-x
- Risse, T., Predoiu, L., Mitschick, A., Nürnberger, A. & Ross, S. (2015). Introduction to the focussed issue on Semantic Digital Archives. *International Journal on Digital Libraries*, 15, 71-72. doi: 10.1007/s00799-015-0148-0
13. Gossen, G., Demidova, E. & Risse, T. (2015). The iCrawl System for Focused and Integrated Web Archive Crawling. *Bulletin of IEEE Technical Committee on Digital Libraries*, 11.
14. Risse, T. & Nejdil, W. (2015). Herausforderungen für die nationale, regionale und thematische Webarchivierung und deren Nutzung. *Zeitschrift für Bibliothekswesen und Bibliographie*, 62, 160--171. doi: 10.3196/1864295015623444
- Plachouras, V., Carpentier, F., Faheem, M., Masanès, J., Risse, T., Senellart, P., Siehdnel, P. & Stavrakas, Y. (2014). ARCOMEM Crawling Architecture. *Future Internet*, 6, 518--541. doi: 10.3390/fi6030518
15. Risse, T., Demidova, E., Dietze, S., Peters, W., Papailiou, N., Doka, K., Stavrakas, Y., Plachouras, V., Senellart, P., Carpentier, F., Mantrach, A., Cautis, B., Siehdnel, P. & Spiliotopoulos, D. (2014). The ARCOMEM Architecture for Social- and Semantic-Driven Web Archiving. *Future Internet*, 6, 688--716. doi: 10.3390/fi6040688
16. Demidova, E., Barbieri, N., Dietze, S., Funk, A., Holzmann, H., Maynard, D., Papailiou, N., Peters, W., Risse, T. & Spiliotopoulos, D. (2014). Analysing and Enriching Focused Semantic Web Archives for Parliament Applications. *Future Internet*, 6, 433--456. doi: 10.3390/fi6030433
17. Lugmayr, A., Stockleben, B., Risse, T., Serral, E. & Stojmenova, E. (2014). Editorial: ambient media as metaphor for creating new experiences and user interfaces. *Multimedia Tools and Applications*, 71, 1-5. doi: 10.1007/s11042-014-1899-0
18. Tahmasebi, N., Niklas, K., Zenz, G. & Risse, T. (2013). On the applicability of word sense discrimination on 201 years of modern english. *International Journal on Digital Libraries*, , 1-19. doi: 10.1007/s00799-013-0105-8
19. Lugmayr, A., Stockleben, B., Risse, T., Kaario, J. & Pogorelc, B. (2012). New business, design and models to create semantic ambient media experiences. *Multimedia Tools and Applications*, 66, 1-5. doi: 10.1007/s11042-012-1239-1
20. Alrifai, M., Risse, T. & Nejdil, W. (2012). A hybrid approach for efficient Web service composition with end-to-end QoS constraints. *ACM Trans. Web*, 6, 7:1--7:31. doi: 10.1145/2180861.2180864
21. Pogorelc, B., Lugmayr, A., Stockleben, B., Vatavu, R.-D., Tahmasebi, N., Serral, E., Stojmenova, E., Imperl, B., Risse, T., Zenz, G. & Gams, M. (2012). Ambient bloom: new business, content, design and models to increase the semantic ambient media experience. *Multimedia Tools and Applications*, 66, 7-32. doi: 10.1007/s11042-012-1228-4
22. Pogorelc, B., Vatavu, R.-D., Lugmayr, A., Stockleben, B., Risse, T., Kaario, J., Lomonaco, E. & Gams, M. (2012). Semantic ambient media: From ambient advertising to ambient-assisted living. *Multimedia Tools and Applications*, , 1-27. doi: 10.1007/s11042-011-0917-8
23. Zenz, G., Tahmasebi, N. & Risse, T. (2012). Towards mobile language evolution exploitation. *Multimedia Tools and Applications*, , 1-13. doi: 10.1007/s11042-011-0973-0

24. Lugmayr, A., Risse, T., Stockleben, B., Laurila, K. & Kaario, J. (2009). Semantic Ambient Media---An Introduction. *Multimedia Tools and Applications*, 44, 337-359. doi: 10.1007/s11042-009-0282-z
25. Knežević, P., Wombacher, A. & Risse, T. (2009). DHT-Based Self-adapting Replication Protocol for Achieving High Data Availability. In E. Damiani, K. Yetongnon, R. Chbeir & A. Dipanda (eds.), *Advanced Internet Based Systems and Applications* (p./pp. 201--210), Berlin, Heidelberg: Springer-Verlag. ISBN: 978-3-642-01349-2
26. Aberer, K., Catarci, T., Cudré-Mauroux, P., Dillon, T., Grimm, S., Hacid, M.-S., Illarramendi, A., Jarrar, M., Kashyap, V., Mecella, M., Mena, E., Neuhold, E. J., Ouksel, A. M., Risse, T., Scannapieco, M., Saltor, F., Santis, L. d., Spaccapietra, S., Staab, S., Studer, R. & De Troyer, O. (2004). Emergent Semantics Systems. In M. Bouzeghoub, C. Goble, V. Kashyap & S. Spaccapietra (ed.), *Semantics of a Networked World*, Vol. 3226 (pp. 14-43). Springer. ISBN: 978-3-540-23609-2.
27. Risse, T., Aberer, K., Wombacher, A., SurrIDGE, M. & Taylor, S. (2004). Configuration of distributed message converter systems.. *Performance Evaluation*, 58, 43-80. doi: <http://dx.doi.org/10.1016/j.peva.2004.05.004>

Conference Publications

28. Gossen, G., Demidova, E. & Risse, T. (2016). Analyzing Web Archives Through Topic and Event Focused Sub-collections. *Proceedings of the 8th ACM Conference on Web Science* (p./pp. 291--295), New York, NY, USA: ACM. ISBN: 978-1-4503-4208-7
29. Souza, T., Demidova, E., Risse, T., Holzmann, H., Gossen, G. & Szymanski, J. (2015). Semantic URL Analytics to Support Efficient Annotation of Large Scale Web Archives. In J. Cardoso, F. Guerra, G.-J. Houben, A. M. Pinto & Y. Velegrakis (ed.), *Semantic Keyword-based Search on Structured Data Sources*, Vol. 9398 (pp. 153-166). Springer International Publishing. ISBN: 978-3-319-27931-2.
30. Gossen, G., Demidova, E. & Risse, T. (2015). The iCrawl Wizard – Supporting Interactive Focused Crawl Specification. *Advances in Information Retrieval: 37th European Conference on IR Research, ECIR 2015, Vienna, Austria, March 29 - April 2, 2015*. (p./pp. 797--800), : Springer International Publishing.
31. Demidova, E., Risse, T. & Tran, G. B. (2015). Entity-Centric Preservation for Linked Open Data: Use Cases, Requirements and Models. *Proc. of 5th International Workshop on Semantic Digital Archives (SDA 2015)* (p./pp. 61 - 75), : ceur-ws.org.
32. Gossen, G., Demidova, E. & Risse, T. (2015). iCrawl: Improving the Freshness of Web Collections by Integrating Social Web and Focused Web Crawling. *Proceedings of the 15th ACM/IEEE-CS Joint Conference on Digital Libraries* (p./pp. 75--84), New York, NY, USA: ACM. ISBN: 978-1-4503-3594-2
33. Holzmann, H. & Risse, T. (2014). Insights into Entity Name Evolution on Wikipedia. In B. Benatallah, A. Bestavros, Y. Manolopoulos, A. Vakali & Y. Zhang (ed.), *Web Information Systems Engineering – WISE 2014*, Vol. 8787 (pp. 47-61). Springer International Publishing. ISBN: 978-3-319-11745-4.
34. Risse, T., Demidova, E. & Gossen, G. (2014). What Do You Want to Collect from the Web?. *Proc. of the Building Web Observatories Workshop (BWOW) 2014*, .
35. Holzmann, H. & Risse, T. (2014). Named Entity Evolution Analysis on Wikipedia. *Proc. of the 2014 ACM Conference on Web Science* (p./pp. 241-242), June, New York, NY, USA: ACM.
36. Siehdnel, P., Kawase, R., Herder, E. & Risse, T. (2014). Identifying Topic-Related Hyperlinks on Twitter. *Proceedings of the ISWC 2014 Posters & Demonstrations Track a track within the 13th International Semantic Web Conference (ISWC 2014)* (p./pp. 369-372), .
37. Fenzi, M., Mentzer, N., Paya-Vaya, G., Nguyen, T. N., Risse, T., Blume, H. & Ostermann, J. (2014). ASEV - Automatic Situation Assessment for Event-driven Video Analysis. *11th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS 2014), Seoul, South Korea* (p./pp. 37-43), : IEEE.
38. Holzmann, H. & Risse, T. (2014). Extraction of Evolution Descriptions from the Web. *Proceedings of the 14th ACM/IEEE-CS Joint Conference on Digital Libraries* (p./pp. 413--414), Piscataway, NJ, USA: IEEE Press. ISBN: 978-1-4799-5569-5

39. Spiliotopoulos, D., Risse, T. & Tahmasebi, N. (2013). SMS 2013 PC Co-Chairs Message. In Y. T. Demey & H. Panetto (eds.), *On the Move to Meaningful Internet Systems: OTM 2013 Workshops* (p./pp. 587--587), : Springer. ISBN: 978-3-642-41032-1
40. Holzmann, H., Tahmasebi, N. & Risse, T. (2013). BlogNEER: Applying Named Entity Evolution Recognition on the Blogosphere. In L. Predoiu, A. Mitschick, A. Nürnberger, T. Risse & S. Ross (eds.), *Proc. of 3rd International Workshop on Semantic Digital Archives* (p./pp. 28-39), : CEUR-WS.org.
41. Tahmasebi, N. & Risse, T. (2013). The Role of Language Evolution in Digital Archives. In L. Predoiu, A. Mitschick, A. Nürnberger, T. Risse & S. Ross (eds.), *Proc. of 3rd International Workshop on Semantic Digital Archives* (p./pp. 16-27), : CEUR-WS.org.
42. Risse, T., Dietze, S., Peters, W., Doka, K., Stavarakas, Y. & Senellart, P. (2012). Exploiting the Social and Semantic Web for Guided Web Archiving. In P. Zaphiris, G. Buchanan, E. Rasmussen & F. Loizides (ed.), *Theory and Practice of Digital Libraries*, Vol. 7489 (pp. 426-432). Springer. ISBN: 978-3-642-33289-0.
43. Tahmasebi, N., Gossen, G. & Risse, T. (2012). Which Words Do You Remember? Temporal Properties of Language Use in Digital Archives. In P. Zaphiris, G. Buchanan, E. Rasmussen & F. Loizides (ed.), *Theory and Practice of Digital Libraries*, Vol. 7489 (pp. 32-37). Springer. ISBN: 978-3-642-33289-0.
44. Tahmasebi, N., Gossen, G., Kanhabua, N., Holzmann, H. & Risse, T. (2012). NEER: An Unsupervised Method for Named Entity Evolution Recognition. In M. Kay & C. Boitet (eds.), *COLING* (p./pp. 2553-2568), : Indian Institute of Technology Bombay.
45. Dietze, S., Maynard, D., Demidova, E., Risse, T., Peters, W., Doka, K. & Stavarakas, Y. (2012). Entity Extraction and Consolidation for Social Web Content Preservation.. In A. Mitschick, F. Loizides, L. Predoiu, A. Nürnberger & S. Ross (eds.), *2nd International Workshop on Semantic Digital Archives* (p./pp. 18-29), : CEUR-WS.org.
46. Risse, T. & Peters, W. (2012). ARCOMEM: from collect-all ARchives to COmmunity MEMories. *Proceedings of the 21st international conference companion on World Wide Web* (p./pp. 275--278), New York, NY, USA: ACM. ISBN: 978-1-4503-1230-1
47. Tahmasebi, N., Risse, T. & Dietze, S. (2011). Towards automatic language evolution tracking, A study on word sense tracking. *Proc. of the Joint Workshop on Knowledge Evolution and Ontology Dynamics (EvoDyn 2011), in conjunction with ISWC 2011, ceur-ws.org Vol. 784*, .
48. Kunz, C., Tahmasebi, N., Risse, T. & Smith, M. (2011). Detecting Credential Abuse in the Grid Using Bayesian Networks.. In S. Jha, N. gentschen Felde, R. Buyya & G. Fedak (eds.), *12th IEEE/ACM International Conference on Grid Computing (GRID)* (p./pp. 114-120), : IEEE. ISBN: 978-1-4577-1904-2
49. Risse, T., Dietze, S., Maynard, D., Tahmasebi, N. & Peters, W. (2011). Using Events for Content Appraisal and Selection in Web Archives. *Proc. of the Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web DeRiVE 2011, in conjunction with ISWC 2011, CEUR Workshop Proceedings Vol. 779*, .
50. Edelstein, O., Factor, M., King, R., Risse, T., Salant, E. & Taylor, P. (2011). Evolving Domains, Problems and Solutions for Long Term Digital Preservation. *Proc. of 8th International Conference on Preservation of Digital Objects (iPRES 2011), Singapore, November 1-4, 2011.*, .
51. Tahmasebi, N., Niklas, K., Theuerkauf, T. & Risse, T. (2010). Using word sense discrimination on historic document collections.. In J. Hunter, C. Lagoze, C. L. Giles & Y.-F. Li (eds.), *JCDL* (p./pp. 89-98), : ACM. ISBN: 978-1-4503-0085-8
52. Zenz, G., Tahmasebi, N. & Risse, T. (2010). Language Evolution On The Go. *Proc. of SAME 2010 - 3rd International Workshop on Semantic Ambient Media Experience (NAMU Series), November, 10th-12th November 2010, Malaga, Spain*, .
53. Tahmasebi, N., Zenz, G., Iofciu, T. & Risse, T. (2010). Terminology Evolution Module for Web Archives in the LiWA Context. *Proc. of 10th International Web Archiving Workshop in conjunction with iPRES in Vienna, Austria, 2010*, .

54. Alrifai, M., Skoutas, D. & Risse, T. (2010). Selecting skyline services for QoS-based web service composition.. In M. Rappa, P. Jones, J. Freire & S. Chakrabarti (eds.), *WWW* (p./pp. 11-20), : ACM. ISBN: 978-1-60558-799-8
55. Lugmayr, A., Stockleben, B., Kaario, J., Pogorelc, B. & Risse, T. (2010). 3rd Workshop on Semantic Ambient Media Experience (SAME) - In Conjunction with Aml-2010.. In B. E. R. de Ruyter, R. Wichert, D. V. Keyson, P. Markopoulos, N. Streitz, M. Divitini, N. Georgantas & A. M. Gomez (eds.), *Aml* (p./pp. 342-345), : Springer. ISBN: 978-3-642-16916-8
56. Alrifai, M., Risse, T., Dolog, P. & Nejdl, W. (2009). A Scalable Approach for QoS-Based Web Service Selection. In G. Feuerlicht & W. Lamersdorf (ed.), *Service-Oriented Computing – ICSOC 2008 Workshops*, Vol. 5472 (pp. 190-199) . Springer Berlin Heidelberg . ISBN: 978-3-642-01246-4.
57. Tahmasebi, N., Ramesh, S. & Risse, T. (2009). First Results on Detecting Term Evolutions. *9th International Web Archiving Workshop (IWAW 2009) in conjunction with ECDL 2009, Corfu, Greece*, .
58. Alrifai, M. & Risse, T. (2009). Combining global optimization with local selection for efficient QoS-aware service composition.. In J. Quemada, G. León, Y. S. Maarek & W. Nejdl (eds.), *WWW* (p./pp. 881-890), : ACM. ISBN: 978-1-60558-487-4
59. Denecke, K., Risse, T. & Baehr, T. (2009). Text classification based on limited bibliographic metadata.. In B. Grosky, F. Andrès & P. Pichappan (eds.), *ICDIM* (p./pp. 27-32), : IEEE. ISBN: 978-1-4244-4253-9
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Academic Services

Conference Organization Committees

- 21th International Conference on Theory and Practice of Digital Libraries (TPDL 2017), September 18-21, 2017; Thessaloniki, Greece, Tutorial Chair
- 20th International Conference on Theory and Practice of Digital Libraries (TPDL 2016), September 5-9, 2016; Hannover, Germany, General Co-Chair
- 5th International Workshop on Semantic Digital Archives (SDA) in conjunction with 19th International Conference on Theory and Practice of Digital Libraries (TPDL), September 18, 2015; Co-Organizer
- 4th International Workshop on Semantic Digital Archives (SDA) in conjunction with Digital Libraries 2014 (JCDL 2014 & TPDL 2014), September 12, 2014; Co-Organizer
- 3rd International Workshop on Semantic Digital Archives (SDA) in conjunction with 17th International Conference on Theory and Practice of Digital Libraries (TPDL), September 26, 2013; Co-Organizer
- 1st International Workshop on Social Media Semantics (SMS 2013) in conjunction with OnTheMove Federated Conferences & Workshops (OTM 2013), September 12, 2013; Co-Organizer
- 1st International Workshop on Archiving Community Memories (ARCOMEM 2013) in conjunction with 10th International Conference on Preservation of Digital Objects (iPres 2013), September 6, 2013; Co-Organizer.
- SAME 2012 - 5th International Workshop on Semantic Ambient Media Experience, 18th June-22nd June 2012 in conjunction with Pervasive 2012, Newcastle, UK
- TPDL 2011 - International Conference on Theory and Practice of Digital Libraries, September 26-28, 2011, Berlin, Germany; Demonstration Chair
- SAME 2011 - 4th International Workshop on Semantic Ambient Media Experience (NAMU Series), 29th June-2nd July 2011 in conjunction with the 5th International Conference on Communities and Technologies, Brisbane, Australia
- ICDE 2011 - 27th IEEE International Conference on Data Engineering, April 11-16, 2011, Hannover, Germany; Financial and Local Organization Chair
- SAME 2010 - 3rd International Workshop on Semantic Ambient Media Experience (NAMU Series), November, 10th-12th November 2010 in conjunction with Aml-10 in Malaga, Spain
- SAME 2009 - 2nd International Workshop on Semantic Ambient Media Experience (NAMU Series), Salzburg, 18th-21st November 2009 in conjunction with Aml-09; Workshop Co-Chair
- SAME 2008 - 1st International Workshop on Semantic Ambient Media Experience (NAMU Series), October 31, 2008, Vancouver, Canada in conjunction with ACM Multimedia 2008; Workshop Co-Chair
- AICCSA 2008 - 6th ACS/IEEE International Conference on Computer Systems and Applications, April 1-4, 2008; Doha, Qatar; Chair of the Databases and Data Mining Track
- DLSci 2006 - Digital Library Goes e-Science: Perspectives and Challenges, September, 21, 2006; Alicante, Spain; Workshop in conjunction with ECDL 2006; Program co-chair
- ICSOC 2003 - 1st International Conference on Service Oriented Computing 2003; December 15-18, 2003, Trento – Italy; Liaison Chair

Member of Editorial Boards

- Editor of the Focused Issue on TPDL 2016 of the International Journal on Digital Libraries (2016)
- Editor of the Special Issue on Semantic Digital Archives of the International Journal on Digital Libraries (2013)
- Editor of the Special Issue on Archiving Community Memories of the Future Internet Journal (2013)
- Editor of the Special Issue on Semantic Ambient Media Experience of the Multimedia Tools and Applications Journal (2009, 2012, 2013)
- Editorial Board of the Future Internet Journal (since 2009)

Reviewer of Scientific Journals

- ACM Computing Surveys (CSUR)
- ACM Transactions on the Web (TWEB)
- ACM Transactions on Autonomous and Adaptive Systems (TAAS)
- IEEE Transactions on Services Computing (TSC)
- International Journal on Digital Libraries (IJDL)
- Journal on Knowledge and Information Systems (KAIS)
- Journal on Multimedia Tools and Applications (MTAP)
- Journal of Zhejiang University Science C (Computers & Electronics)
- IET Software Journal
- Pervasive and Mobile Computing
- World Wide Web Journal

Member of Conference Program Committees

- AICCSA - ACS/IEEE International Conference on Computer Systems and Applications (2006, 2007)
- AP2PS - International Conference on Advances in P2P Systems (2007, 2008, 2009, 2010, 2011, 2012)
- DL - Digital Libraries 2014 (conjoined conference for JCDL 2014 & TPDL 2014)
- GSEM - International Conference on Grid Service Engineering and Management (2007)
- IADIS - International Conference Applied Computing (2004, 2006)
- iPres Conference on Digital Preservation (2014, 2016, 2017)
- IEEE DEST - International Conference on Digital Ecosystem Technologies (2009, 2010, 2012, 2013)
- JCDL - ACM/IEEE Joint Conference on Digital Libraries (2012 - 2017)
- KEOD - International Conference on Knowledge Engineering and Ontology Development (2015 - 2017)
- ODBASE - International Conference on Ontologies, Databases and Applications of Semantics (2006)
- STA - IEEE/FTRA International Conference on Secure and Trust Computing, data management, and Applications (2011)
- TPDL - International Conference on Theory and Practice of Digital Libraries (formerly ECDL) (2004, 2005, 2006, 2007, 2013, 2015, 2016, 2017)
- WEBIST - International Conference on Web Information Systems and Technologies (2009-2017)
- WebSci - ACM Web Science Conference (2012)
- WISE - International Conference on Web Information Systems Engineering (2004, 2005, 2007)
- WWW - World Wide Web Conference (2004)

Member of Workshop Program Committees

- AP2PC - International Workshop on Agents and Peer-to-Peer Computing (2003, 2004, 2005, 2006, 2007)
- ASOS - International Workshop on Application of Software Services (2009)
- CEC EAST - IEEE International Conference on e-Commerce Technology for Dynamic E-Business (2004)
- DMC - International Workshop on Distributed and Mobile Collaboration (2003, 2004, 2006)
- EATIS - Euro American Association on Telematics and Information Systems (2008, 2009)
- ICSOC - International Conference on Service Oriented Computing (2004, 2005, 2006, 2007)
- ICWE - International Conference on Web Engineering - Doctoral Consortium (2011)
- InterDB - International Workshop on Database Interoperability (2005)
- IAWAW - International Web Archiving Workshop (2009, 2010)
- KECSM - Workshop on Knowledge Extraction and Consolidation from Social Media (2012)
- KM-WEB - Workshop on Knowledge Management with Web 3.0 (2009)

- MCISME - International Workshop on Managing Context Information and Semantics in Mobile Environments (2006, 2007)
- ODIS - International Workshop on Ontologies in Distributed and Interactive Systems (2009)
- ONTORACT - International Workshop on Ontologies in Interactive Systems (2008)
- P2PDB - International Workshop on Peer-to-peer Computing and Databases (2004)
- P2PIR - Workshop on Information Retrieval in Peer-to-Peer-Networks (2005, 2006)
- RICH - Rich Semantics and Direct Representation for Digital Collections (2017)
- RoSOC - Int. Workshop on the Role of Services, Ontologies, and Context in Mobile Environments (2008, 2009, 2010)
- SDA - International Workshop on Semantic Digital Archives (2011, 2012)
- Semantic Web Services Challenge (2006)
- SIMPDA - International Symposium on Data-Driven Process Discovery and Analysis (2011)
- SMDB - International Workshop on Self-Managing Database Systems (2005)
- STD3S - International Workshop on Security and Trust in Decentralized/Distributed Data Structures (2006)
- SWOD - International Special Workshop on Databases for Next-Generation Researchers (2007)
- TempWeb - Temporal Web Analytics Workshop (2011 - 2016)
- WADL - Web Archiving and Digital Libraries (2016, 2017)
- WDPP - International Workshop on Data and Process Provenance (2009)
- WESC - International Workshop on Engineering Service Compositions (2005)
- WESOA - International Workshop on Engineering Service-Oriented Applications (2006, 2007, 2008, 2009)
- Workshop on Future Television (2011)

Other Memberships

- ICDE - IEEE International Conference on Data Engineering, Steering Committee (seit 2016)
- IEEE Technical Committee on Data Engineering, Executive Committee (Treasurer, Secretary) (since 2007)
- TPDL - International Conference on Theory and Practice of Digital Libraries, Steering Committee (seit 2016)
- IFIP 2.6 Working Group on Databases (since 2006)
- Strategy Board Member of XBRL Deutschland e.V., Germany, (2006)
- Reviewer of project proposal for the 6th Research Framework Program (FP6) of the European Commission (2003)