

Stefan Decker

Curriculum Vitae

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Name and Personal Details

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53754 Sankt Augustin, Germany

Summary

Current Position

Since September 2015:
Director Fraunhofer Institute for Applied Information Technology (FIT)
Professor for Information Systems and Databases, RWTH Aachen University

Research Interests

Global Information Systems, Web Science and the Semantics Web, specifically in the following areas:

- Data Science, including Data to Knowledge, Linked Data Management, Open Data
- Semantic Web and Social Semantic Web, Collaborative Information Systems
- Linked Data in Cultural Heritage, Humanities, Archives
- Linked Data in the Life Sciences
- Online Privacy

Publications and Scientific Impact

See: Google Scholar profile at

<http://scholar.google.com/citations?user=uhVkSswAAAAJ&hl=en&oi=ao> or DBLP

(<http://www.informatik.uni-trier.de/~ley/pers/hd/d/Decker:Stefan>) for current lists.

Total Publications: #>263	h-Index: # 61	Total number of citations: # 18239	Source of citation data: Google Scholar	
Journal Articles: #52	Book Chapters: #14	Books: #1	Conference associated publications: #107	Other: #92

Research Funding Acquisition

I have a strong focus on the acquisition of research funding from public and private sources. One of these grants is the LION 2 grant acquisition, which enabled the Digital Enterprise Research Institute (DERI). DERI was a research institute at NUI Galway of 130 people, of which I was the Director and responsible for setting the scientific mission and research structure. I was the Principal Investigator of the LION 2 grant with overall responsibility for €19,546,340. I am also as a Co-PI in the € 42 M Euro Irish Insight Data Analytics Centre acquisition where I am currently responsible for €14,000,000. Insight amalgamates several Irish Research Centres in order to create a critical mass. The list below does not contain the details of some commercially sensitive acquisitions such as from [Cisco](#) and [Fujitsu](#). I have a strong track record in the acquisition of EU funding - such as initiating the 11 Million Euro Integrated Project Nepomuk as well as in the acquisition of commercialisation funding such as from Enterprise Ireland. Altogether I have been directly responsible for more than 30 Million Euro Research funding and I was altogether involved in bringing more than 60 Million Euro in research funding into NUI Galway.

Biography**1. Education****October 1995 - Feb 2002**

Ph.D. (Dr. rer. pol.) studies at Faculty of Economic Science, Institute AIFB
University of Karlsruhe (now Karlsruhe Institute of Technology, KIT).

Title of the Ph.D. thesis: "*Semantic Web Methods for Knowledge Management*"

Passed with distinction - summa cum laude.

Dissertation committee: Prof. Gio Wiederhold (Stanford University), Prof. Peter Knauth (University of Karlsruhe), Prof. Rudi Studer (University of Karlsruhe)

1988 - 1995

Study of Computer Science at the University of Kaiserslautern.

Diplom-Informatiker (Dipl-Inform.) - equivalent to Masters Degree¹. Passed with distinction with the highest possible grade. This is the best possible result and equivalent to a first-class Honors.

Thesis: *Incremental Integrity Constraints Checking in Deductive Databases*. Done with IBM at the German Software Development Lab in Boeblingen.

1978 - 1987

Secondary School Education: Gymnasium Georgianum Vreden, final grade 1.6 - best 5% .

2. Employment

September 2015-

Professor for Information Systems and Databases, RWTH Aachen University
Director of the Fraunhofer Institute for Applied Information Technology (FIT),

July 2006 - August 2015

Professor for Digital Enterprise at the National University of Ireland, Galway.
Director of the Digital Enterprise Research Institute (DERI), Galway/Insight at NUI Galway

October 2005 - June 2006

Acting Executive Director of the Digital Enterprise Research Institute at the National University of Ireland, Galway.

October 2003 - October 2005

Senior Research Fellow and Adjunct Lecturer, College of Engineering, National University of Ireland, Galway

April 2003 - July 2005

Research Assistant Professor, School of Engineering, University of Southern California, Los Angeles, USA.

July 2002 - July 2005

Computer Scientist, University of Southern California, Information Sciences Institute, Los Angeles, USA.

March 2000 - July 2002

Part-time employment and consultancy for startup in Silicon Valley (LastMileServices (later: Ontologent), Sunnyvale).

July 1999 - July 2002

Postdoc and Research Associate at the Computer Science Department, Stanford University, USA.

October 1995 - July 1999

¹ See <http://nces.ed.gov/pubs2007/2007006.pdf>

Research Assistant, Institute AIFB, Faculty of Economic Science, University of Karlsruhe
(now Karlsruhe Institute of Technology, KIT).

1991 - 1992

Internships at the IBM Scientific Center, Heidelberg, Germany.

1987 - 1988

Mandatory military service in the German Army (Bundeswehr) in Wuppertal and Duermen

3. Teaching

3.1 Lecture Courses

1. Semantic Web. RWTH Aachen WS 2016
2. Databases. RWTH Aachen SS 2016
3. Semantic Web. RWTH Aachen WS 2015
4. Structured PhD Program, Digital Enterprise Research Institute , NUI Galway, 2010-
5. "Advanced Studies in IT: Semantic Web and Semantic Web Services". Course at the National University of Ireland, Galway, Spring 2007.
6. "Advanced Studies in IT: Semantic Web and Semantic Web Services". Course at the National University of Ireland, Galway, Spring 2006.
7. "Advanced Studies in IT: Semantic Web and Semantic Web Services". Course at the National University of Ireland, Galway, Spring 2005.
8. "Semantic Web and related topics". Reading Group, Digital Enterprise Research Institute, 2003-2006
9. "Databases and the Semantic Web", Database-Seminar, Department of Computer Science, Stanford University, Spring 2001.
10. "Interoperation, Databases and the Semantic Web", Database-Seminar, Department of Computer Science, Stanford University, Fall 2000.
11. "Ontologies, E-Commerce, XML & Metadata", Database-Seminar, Department of Computer Science, Stanford University, Spring 2000.
12. "Ontologies, E-Commerce, XML & Metadata", Database-Seminar, Department of Computer Science, Stanford University, Fall 1999.
13. Informationsmodellierung in Web-basierten Anwendungssystemen, Institute AIFB, University of Karlsruhe, Semester 98/99.
14. Knowledge Management in Enterprises, Institute AIFB, University of Karlsruhe, Summer-Semester 1997

3.2 Seminars and Tutorials

1. Seminar Linked Data. RWTH Aachen, SS 2016
2. Seminar Linked Data. RWTH Aachen, WS 2015
3. Tutorial "Applications of Semantic Web Methodologies and Techniques to Social Networks and Social Websites." Reasoning Web, Fourth International Summer School 2008.

4. Tutorial “Personal Information Management and the Social Semantic Desktop”, 1st NEPOMUK Social Semantic Desktop Summer School, Sep. 2008
5. Tutorial on Semantic Digital Libraries at the *World Wide Web Conference*, Banff, May 2007.
6. Tutorial on Semantic Web 2.0: Creating Social Semantic Information Spaces at the *World Wide Web Conference*, Edinburgh, May 2006.
7. Invited Tutorial on The Semantic Web and Computational Logic at *2nd Int'l Compulog/ALP Summer School In Computational Logic*, Dallas, Texas, June 2004.
8. Tutorial on Knowledge Markup and Resource Semantics at the *17th International Joint Conference on Artificial Intelligence 2001*, Seattle, August 2001.
9. Tutorial on Artificial Intelligence in Knowledge Management at the *17th International Joint Conference on Artificial Intelligence 2001*, Seattle, August 2001.
10. Tutorial on Artificial Intelligence in Knowledge Management at the *14th European Conference on Artificial Intelligence 2000*, Berlin, August 2000.
11. Tutorial on Knowledge Markup Languages at the *14th European Conference on Artificial Intelligence 2000*, Berlin, August 2000.

4. Research

Innovation/Commercialisation Activity

- Co-founded Ontoprise to commercialise the results of my PhD (1998, left company in 2000), Seevl (2011-), SindiceTech (2012-2013). Continue to support the development of the companies in an advisory role.
- Consulting experience for multinationals, Silicon-Valley startups
- Large number (100+) of industry collaborations in EU Research Projects, EI Projects and SFI Projects, German Research Projects ranging from small-startups, to SMEs and large multi-nationals. Cooperation partners include: Cisco, Avaya, IBM, Siemens, HP, Ericsson, Microsoft, among many others.
- Standardisation experience leading to the creation of an international adopted Web Standard (OWL - Web Ontology Language). I initiated and collaborated with Ian Horrocks on the first RDF-Description Logic integration which started the OWL effort.
- Instrumental in the creation of several de-facto Web-Standards (like SIOC, Void)
- Creation of a large project (Semantic Web) resulting a novel personal information management architecture adopted within Linux.

Other Information

- I co-initiated my field of study and have been an invited speaker at many conferences and events in the domain.
- I and my co-authors won the 7-year impact award at the European Semantic Web Conference.
- I have organized and chaired a variety of international conferences and workshop. These include conferences such as ISWC 2005 and ISWC 2006.
- I was member of the steering committee of the International Semantic Web Conference and I am a member of the advisory board of the Web Science Trust.
- I am a member of the board of Informatics Europe.

- I have served on the scientific committees of more than 100 international conferences and workshops over the past 15 years including leading conferences such as IJCAI, WWW, ISWC, ESWC etc.
- I was an Editor-in Chief of the Web Semantics Journal (Elsevier) and an editorial board member of the Journal on Internet Research.
- In 2010 I was elected as a Member of the Royal Irish Academy and I am a fellow of Engineers Ireland since 2009.
- I took over the DERI as the Director in 2006 and developed DERI from a 40 people organisation to now 130 people and ranked high in the World in Research on the World Wide Web as ranked by Microsoft Academic Search.

4.1 Participation in PhD Committee and PhD/MSc Supervision

Finished Direct (Co-) Supervision: PhD

- Stephane Campinas: Graph Summarisation of Web Data: Data-driven Generation of Structured Representations, Insight Centre, NUI Galway, 2017
- Nur Aini Rakhmawati: Evaluating and benchmarking the performance of federated SPARQL endpoints and their partitioning using selected metrics and specific query types, Insight Centre, NUI Galway, 2017
- Fadi Maali: Distributed Dataflow Processing of Large RDF Graphs, Insight Centre, NUI Galway, 2017
- Sabrina Kirrane: Linked Data with Access Control, Insight Centre, NUI Galway, 2015
- Nuno Lopez: Integrating Heterogeneous Data by Extending Semantic Web Standards, DERI, NUI Galway (2013, PhD)
- Jodi Schneider: Enabling reuse of arguments and opinions from online social disputes, DERI, NUI Galway (2013, PhD)
- Juergen Umbricht: A hybrid framework for querying Linked Data dynamically, DERI, NUI Galway (2012, PhD)
- Krystian Samp: The Design and Evaluation of Graphical Radial Menus, DERI, NUI Galway (2011, PhD)
- Jacek Jankowski: Hypertextualized Virtual Environments: Dual-Mode User Interface Design, DERI, NUI Galway (2011, PhD)
- Andreas Harth: Exploring Linked Data at Web Scale, DERI, NUI Galway (2010, PhD)
- Ann Johnston: Mixed-initiative hierarchical iterative categorisation, DERI, NUI Galway (2010, PhD)
- Sebastian Kruk: Semantic Digital Libraries, DERI, NUI Galway (2009, PhD)
- Eyal Oren: Algorithms and Components for Application Development on the Semantic Web, DERI, NUI Galway, (2008, PhD)

Finished Direct (Co-) Supervision: Masters

- (with John Breslin): Ina O'Murchu: "An Ontology for Semantic Social Networking", NUI Galway, (2005, MS)

- Thomas Arens: Tree-transformations of XML data, Institute AIFB, University of Karlsruhe, 1999.
- Claudia Berkowitz: Von der Unternehmensmodellierung zum Workflow Management, Institute AIFB, University of Karlsruhe and Daimler-Crysler, 1999.
- Ulf Steinberg: Mike-Tool II: A Java-based Knowledge Engineering and Management Environment, Institute AIFB, University of Karlsruhe, 1998.
- Michael Schenk: Ontology-based semantic annotation of XML, Institute AIFB, University of Karlsruhe, 1998.
- Thorsten Wolf: Knowledge Management in Theory and Praxis, Institute AIFB, University of Karlsruhe and BASF, 1998.

Finished Director of Research

- Gofran Shakair: Integrating Metadata Repositories into the Web of Data (2012, MS)
- Hak Lae Kim: Leveraging a Semantic Framework for Augmenting Social Tagging Practices in Heterogeneous Content Sharing Services (2010, PhD)
- Sean O'Riain: Interactive technologies for supporting analysts. 2010, PhD)
- Renaud Delbru: Searching Web Data: an Entity Retrieval Model (2010, PhD)
- Michele Catasta: Scalability Solutions for the Web of Data (2009, MS)
- Oana-Elena Ureche: Implementation of a Digital Rights Management System for SCORM Compliant e-Learning Content (2008, MS)
- Alexander Thorsten Schultz: Keyphrase Extraction from Single Documents in the Open Domain Exploiting: Linguistic and Statistical Methods (2008, MS)
- Stéphane Corlosquet: Bootstrapping the Web of Data with Drupal (2008, MS)

Internal Examiner:

- Divanshu Gupta: Scalable Facet Synthesis for Relational Faceted Navigation System (2013) (MS, PhD)
- Simon Scerri: Supporting E-mail-based Collaborative Work across a Social Semantic Desktop (2011, PhD)
- Aidan Hogan: Exploiting RDFS and OWL for Integrating Large-Scale Linked Data Corpora (2011, PhD)
- Ronan Fox: A Unifying Model For Mashup Makers (2011, PhD)
- Sheila Kinsella: Augmenting Social Media Items with Metadata using Related Web Content (2011, PhD)
- Peyman Nasirifard: Advances in Understanding, Mining, and Using People-Tags (2011, PhD)
- Tudor Groza: Advances in Semantic Authoring and Publishing (2010, PhD)
- Vit Novacek: EUREEKA! Towards a Practical Emergent Knowledge Processing (2010, PhD)
- Hak Lae Kim: Leveraging a Semantic Framework for Augmenting Social Tagging Practices in Heterogeneous Content Sharing Services (2010, PhD)
- Juan Miguel Gomez: COOL - A Conversation Oriented Process Language (2006, PhD)
- Uldis Bojars: The SIOC Methodology for Lightweight Ontology Development (2006, PhD)

External Examiner

- Sylvia Stefanova: Scalable Preservation, Reconstruction, and Querying of Databases in terms of Semantic Web Representations, University of Uppsala (2013, PhD)
- Luca Costabello: Context-Aware Access Control and Presentation of Linked Data, University of Nice-Sophia Antipolis (2013, PhD)
- Christoph Lange: Enabling Collaboration on Semiformal Mathematical Knowledge by Semantic Web Integration, Jacobs University, Bremen (2011, PhD)
- Roman Schmidt: Sharing of probabilistically correlated data in peer-to-peer networks. EPFL, Lausanne (2008, PhD)

4.2 Community Services

Journal Editorial Boards

- Journal of Web Semantics, Elsevier,
<http://www.journals.elsevier.com/journal-of-web-semantics/>
- Computer Science Review, Elsevier,
<http://www.journals.elsevier.com/computer-science-review/>
- Journal of Web Science, NOW Publishers,
<http://www.nowpublishers.com/journals/JWS/latest>
- Journal of Web Semantics, Elsevier, Online Editor in Chief (2003-2005)
<http://www.journals.elsevier.com/journal-of-web-semantics/>

Editorships

- International Journal of Human-Computer Studies, Academic Press,
- 1999, Special Issue on: Organizational Memory and Knowledge Management, 1999, (co-guest editor).
- Int. Journal on Information Systems Frontiers (ISF, Kluwer, Special Issue on Knowledge Management and Organizational Memory, 2000, (co-guest editor).

Memberships

- Board Member of Informatics Europe, <http://www.informatics-europe.org/>
- Elected Member of the Royal Irish Academy, <http://www.ria.ie/>
- Fellow of Engineers Ireland
- Web Science Council Member, Web Science Research Initiative
- Semantic Web Science Association (SWSA), 2002-2008
- Sig.Ma: Scientific Advisory Board Member for SCIVERSE, Elsevier

Program And Organising Committees

1. OC Member: Research Data Alliance Plenary, Dublin, 2014
2. PC Member: European Semantic Web Conference (ESWC), 2014

3. PC Member: World Wide Web Conference (WWW), 2014
4. Senior PC Member: ECAI 2014
5. PC Member: International Semantic Web Conference 2013
6. Co-Organiser: Privacy Online, Workshop at the International Semantic Web Conference, 2013
7. PC Member: International Semantic Web Conference (ISWC), 2012
8. PC Member: Web Science Conference (WebSci), 2012
9. PC Member: IJCAI 2011
10. PC Member: International Semantic Web Conference (ISWC) 2011
11. Member of the Programme Advisory Committee: SemTech 2011, San Francisco, 2011
12. PC Member: 5th Conference on Knowledge Science, Engineering and Management (KSEM), 2011
13. PC Member: International Semantic Web Conference (ISWC) 2010
14. PC Member: Web Science Conference (WebSci), 2010
15. PC Member: EKAW 2010 - Knowledge Engineering and Knowledge Management by the Masses, 2010
16. PC Member: 8th International Conference on Practical Aspects of Knowledge Management: PAKM, 2010
17. PC Member: Irish Human Computer Interaction (iHCI) Conference, 2010
18. Co-Organiser: RDF-NextStep Workshop, W3C, 2010,
<http://www.w3.org/2001/sw/wiki/RDF/NextStepWorkshop>
19. PC Member: 4th International Conference on Knowledge Science, Engineering & Management (KSEM 2010)
20. PC Member: Semantics for the Rest of Us - Variants of Semantic Web Languages in the Real World, SemRUS, 2009
21. PC Member: IJCAI 2009
22. PC Member: Web Science Conference (WebSci), 2009
23. PC Member: International Semantic Web Conference (ISWC) 2009
24. PC Member: Workshop on Social Data on the Web (SDoW), during ISWC, 2009
25. PC Member: 2nd Workshop on Social Web Search and Mining (SWSD), 2009
26. PC Member: 1st International Workshop on Trust and Privacy on the Social and Semantic Web. Heraklion, Greece, during ESWC, 2009
27. Senior PC Member: European Semantic Web Conference 2008.
28. PC Member: 16th International Conference on Knowledge Engineering and Knowledge Management Knowledge Patterns (EKAW), 2008
29. Co-Chair: 1st International Workshop On Data Semantics in Social Computing Systems. Monterrey, Mexico, Nov 9 - 14, 2008
30. PC Member: Workshop on Social Data on the Web (SDoW), during ISWC, 2008
31. PC Member: WWW 2008 Workshop on Social Web Search and Mining SWSM, 2008
32. PC Member: 3rd Latin American Web Congress, (LA-Web), 2008.
33. PC Member: SWDB-ODBIS07: Joint ODBIS & SWDB workshop on Semantic Web, Ontologies, Databases, co-located at VLDB 2007, 2007
34. PC Member: Workshop CyberInfrastructure: Information Management in eScience (CIMS). Colocated with ACM CIKM 2007, Lisbon, Portugal, Nov. 9th, 2007
35. PC Member: Reasoning Web, Third International Summer School, 2007

36. PC Member: 1st Workshop on Architecture, Design, and Implementation of the Semantic Desktop @ ESWC2007
37. PC Member: International Semantic Web Conference, 2007
38. PC Member: European Semantic Web Conference (ESWC), 2007
39. PC Member: Workshop on Scripting for the Semantic Web, Workshop and Challenge at ESWC, 2007
40. PC-Member: Business Information Systems, 2007
41. PC Member: Workshop on Empirically Successful Automated Reasoning in Large Theories (ESARLT), part of The 21st International Conference on Automated Deduction, 2007
42. PC Member: 3rd International Conference on Next Generation Web Services Practices October 29- October 31 , Seoul, Korea, 2007
43. PC Member: World Wide Web Conference (WWW), 2006
44. PC Member: ODBASE 2006
45. PC Member: IFIP Web Semantics Working group 2.12/12.4, 2006
46. PC Member: Semantic Web and Databases 2006 Workshop ([SWDB 2006](#)) held in conjunction with the 22nd International Conference on Data Engineering (ICDE'06) in Atlanta, GA, USA from April 3-7, 2006.
47. PC Member: Special track at AAI-06 on "AI and the Web"
48. PC-Member: AAI Spring Symposium 2006 "Semantic Web meets eGovernment", 2006
49. PC-Chair: International Semantic Web Conference, Atlanta, USA, 2006.
50. Co-Organiser: Workshop on the Semantic Desktop and Social Semantic Collaboration, during ISWC, 2006
51. PC Member: Workshop on Scripting for the Semantic Web, Workshop and Challenge at ESWC, 2006
52. PC-Member: The 5th European Networked Knowledge Organization Systems (NKOS) Workshop, Workshop at the 10th ECDL Conference, Alicante, Spain
53. Co-Chair: Semantic Desktop Workshop, International Semantic Web Conference, 2005, Galway, Ireland.
54. PC Member: [3rd Latin American Web Congress](#), (LA-Web), Buenos Aires, Argentina, 2005.
55. PC Member, Demo-Chair: European Semantic Web Conference 2005, Crete, Greece.
56. PC Member: Workshop on Ontologies in Peer-to-Peer Communities, during ESWC, 2005
57. Co-Chair: ALPSWS2006: Applications of Logic Programming in the Semantic Web and Semantic Web Services, during ICLP, 2006
58. PC Member: The Eleventh International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2004)
59. PC Member: First European Semantic Web Symposium (ESWS 2004)
60. Co-Chair: WWW2004 Workshop on Application Design, Development and Implementation Issues in the Semantic Web, New York, NY, USA, May 18, 2004.
61. Co-Chair: WWW2004 Workshop on Semantics in P2P and Grid Computing, New York, NY, USA, May 18, 2004.
62. PC Member: Workshop on Peer-to-Peer Knowledge Management (P2PKM), August 22, 2004 - Boston, Massachusetts, USA Collocated with MobicQuitous 2004 (www.mobiquitous.org)
63. Member of the Panel Selection Committee, European Conference on Digital Libraries, Bath University, 2004
64. PC Member: AI and the Web, Special Track at the 17th International FLAIRS Conference, 2004

65. Demo-Chair, International Semantic Web Conference 2004, Hiroshima, Japan.
66. Co-Chair: FOAF'2004. Friend of a Friend. Social Networking on the Semantic Web, Galway, Ireland, September 2004. W3C Workshop.
67. PC-Member: Practical Aspects of Declarative Languages, Dallas, Texas, June 2004.
68. PC-Member: Latin-American Web Conference, 2004.
69. Demo-Chair: International Semantic Web Conference, November, Japan, 2004
70. PC-Member: International Semantic Web Conference, November, Hiroshima, Japan, 2004.
71. PC-Member: Semantic Web Workshop at SigIR, 2004.
72. PC-Member: 3rd International Conference on Ontologies, Databases, and Applications of Semantics for large scale Information Systems (ODBASE). Cyprus, Oct 25-29, 2004.
73. Co-Chair: Workshop on Practical and Scalable Semantic Systems (PSSS), in conjunction with ISWC 2003, 2003
74. Co-Chair Semantics in P2P and Grid Computing (SemPGrid 2003, in conjunction with WWW2003), Budapest, Hungary, 2003.
75. Co-Chair: Semantic Web and Databases: Workshop at the VLDB Conference, Berlin, 2003.
76. PC Member: Latin-American Web Conference (LA WEB 2003), 2003
77. PC Member: International World Wide Web Conference (WWW2003), Budapest, Hungary, 2003.
78. PC Member: IEEE/WIC/ACM International Conference on Web Intelligence (WI 2003)
79. PC Member: 2nd International Conference on Ontologies, Databases, and Applications of Semantics for large scale Information Systems (ODBASE), 2003.
80. PC Member: International Computer Science Conference 2003 Active Media Technology (ICAMT2003), Chongqing, China, May 2003.
81. PC Member: Ontologies, Databases, and Applications of Semantics (ODBASE'02), Irvine, California, October 2002.
82. PC Member: 2002 Symposium on Applications and the Internet (SAINT 2002), Nara City, Nara, Japan.
83. PC Member: International World Wide Web Conference (WWW2002), Honolulu, Hawaii, USA, May 2002 (Languages Track and Semantic Web Track).
84. PC Member: Semantic Web Workshop during the International World Wide Web Conference (WWW2002), Honolulu, Hawaii, USA, May 2002.
85. PC Member: 8th International Conference on Principles of Knowledge Representation and Reasoning (KR2002), Toulouse, France, April 2002.
86. PC Member: 2nd Semantic Web Mining Workshop at ECML/PKDD-2002, 20 August 2002, Helsinki, Finland.
87. Co-Chair: International Semantic Working Symposium, Stanford, CA, 30-31 July, 2001.
URL: <http://www.SemanticWeb.org/SWWS>.
88. Co-Chair: The Second International Workshop on the Semantic Web - SemWeb'2001 during the 10th World Wide Web Conference, Hong Kong, 2001.
89. OC Member: Workshop Semantic Web in conjunction with the 10th International World Wide Web Conference (WWW-10), Hong Kong, China, May 2001.
90. PC Member: Sixth International Computer Science Conference: Active Media Technology, Hong Kong, December 2001.
91. PC Member: First Asia-Pacific Conference on Web Intelligence (WI-2001), Maebashi City, Japan, October 2001.

92. PC Member: 1st Workshop on Engineering of e-Business Applications, Cambridge, MA, USA, June 2001.
93. PC Member: 1st Semantic Web Mining Workshop at ECML/PKDD-2001, September 3, 2001, Freiburg, Germany.
94. PC Member: Workshop on E-Business & the Intelligent Web during IJCAI 2001, Seattle, USA, August 2001
95. PC Member: Workshop on Ontologies in Agent Systems at the 5th International Conference on Autonomous Agents, Montreal, Canada, 29 May 2001
96. PC Member: Sixth International Computer Science Conference: Active Media Technology, 18 - 20 December 2001, Hong Kong.
97. PC Member: Fifth IFCIS International Conference on Cooperative Information Systems (CoopIS'2000), Filat, Israel, September 2000.
98. PC Member: Knowledge Management and Organizational Memory, March, 3 - 5 1999, Würzburg, in conjunction with the XPS-99: 5. Deutsche Tagung Wissensbasierte Systeme - Bilanz und Perspektiven, Würzburg, March 3 - 5 März 1999.
99. PC Member: "The Practical Application of Knowledge Management", The First International Conference and Exhibition on The Practical Application of Knowledge Management, Wednesday, 1999, London, UK.
100. PC Member: "The Practical Application of Knowledge Management", The Second International Conference and Exhibition on The Practical Application of Knowledge Management, 2000, London, UK.
101. Co-Chair: Interdisciplinary Workshop on Building, Maintaining, and Using Organizational Memories (OM-98) August, 24th - 25th, 1998, Brighton, UK. Accessible as CEUR-Workshop, Vol. 14, RWTH Aachen. In conjunction with the: ECAI-98, August 1998 . URL: <http://CEUR-WS.org/Vol-14/>
102. Co-Organizer: Workshop on Knowledge Management and Organizational Memories (OM-99) during the International Joint Conference on Artificial Intelligence (IJCAI) 1999, Stockholm, Sweden, August 1999.
103. Co-Organizer: Workshop on Knowledge Management and Organizational Memories 2000 during the European Conference on Artificial Intelligence (ECAI 2000), 2000.
104. Co-Organizer: Knowledge-Based Systems for Knowledge Management in Enterprises Workshop held at the 21st Annual German Conference on AI (KI-97), Freiburg, Document D-97-03, DFKI GmbH, September 1997.
105. Co-Organizer: Workshop on Comparing Description and Frame Logics, Karlsruhe, 1997.

Invited Talks

1. Keynote: Web Intelligence Conference, Warsaw, August 2014
2. Keynote: Modellierung 2014, March 2014
3. Invited Talk: Seminar: From Networked Knowledge to Insight(s), INRIA Sophia Antipolis, 29 Nov 2013
4. Keynote: Conference on Semantics in Healthcare and Life Sciences 2013 (CSHALS), "From Linked Data to Networked Knowledge", February 27 - March 1, 2013, Boston
5. Panel Presentation: Association of Learned and Professional Society Publishers (ALPSP) International Conference 2012, "Networking knowledge: how the semantic web may change scientific publishing"

6. Keynote: 7th International Conference on Advanced Data Mining and Applications, Beijing, China, 2011
7. Keynote: Enabling Networked Knowledge. The Eighth IT&T Conference Galway Mayo Institute of Technology, Galway, Ireland 23rd - 24th October 2010 (Jointly with Manfred Hauswirth)
8. Keynote: Message in a Bottle or How can the Semantic Web Community be more convincing? International Semantic Web Conference (ISWC), Karlsruhe 2008.
9. IBM CAS Software and Systems Engineering Symposium 2007. IBM CAS Software and Systems Engineering Symposium 2007, Dublin, 24 October, 2007.
10. Semantic Web 2.0: Building social semantic information spaces. 16th International Conference on Information Systems Development (ISD2007) Galway, Ireland August 29-31, 2007
11. Semantic Web 2.0: Building social semantic information spaces. Semantic Web and Web 2.0, Seoul, South Korea, February 2007 [[korea2007.ppt](#)].
12. Semantic Web 2.0: Building social semantic information spaces. Web Information Systems Engineering 2006, Wuhan, October 2006.
13. Semantic Web 2.0: Building social semantic information spaces. Semantic 2006, Vienne, November 2006.
14. The Social Semantic Desktop - Next generation collaboration infrastructure. Academic Publishing in Europe (APE 2006): The Role of Information in Science and Society. Invited talk. 4 – 5 April 2006. <http://www.ape2006.de/>
15. Towards Semantic Collaborative Environments. The 1st Conference on Collaborative Working Environments for Business and Industry, 6 May 2006. <http://www.cwe-europe.org/>
16. ISWC-2005 Workshop on: Semantic Network Analysis Galway, Ireland, November 2005: From the Semantic Web to Web 2.0 - Semantic Web for Social Networks
17. Principles and Practice of Semantic Web Reasoning, Dagstuhl, Germany, September 2005: Use Cases for Reasoning with Metadata or What Have Web Services to Do with Integrity Constraints?
18. Young Researchers Working on First Young Researchers Workshop on Service Oriented Computing, Leicester, UK: April 2005: Intelligent Web Services for the Semantic Web: some Observations and Conclusions
19. Norwegian Knowledge Management Tour, Brussels, March 2004: The Networked Semantic Desktop.
20. Colloquium WS 2003/2004/CIS/TU Berlin/Fraunhofer ISST: Ontology based routing in P2P networks.
21. Invited Speaker at the First International Latin-American Web Conference (LA-Web 2003).
22. Invited Speaker at the International Conference for Logic Programming (ICLP 2002), Copenhagen, Denmark, July 2002.
23. Invited Speaker at the NASA Ames Research Center, Mountain View, April 2002.
24. Invited Speaker at the UC Berkeley Digital Library Seminar, Berkeley, April 2002.
25. Invited Speaker, DoCoMo Labs USA, San Jose, March 2002.
26. Invited Speaker at SRI International, AI Seminar Talks, Palo Alto, March 2000
27. Invited Speaker at the Computer Science Colloquium, University of Kaiserslautern, November 1998.

28. Invited Speaker: Dagstuhl Seminar "On the meaning of change", Dagstuhl, 1996.

4.3 Publications

See: Google Scholar profile at

<http://scholar.google.com/citations?user=uhVkSswAAAAJ&hl=en&oi=ao>

or DBLP (<http://www.informatik.uni-trier.de/~ley/pers/hd/d/Decker:Stefan>) for current lists.

Total Publications: #>263	h-Index: # 57	Total number of citations: # 15300	Source of citation data: Google Scholar	
Journal Articles: #51	Book Chapters: #14	Books: #1	Conference associated publications: #106	Other: #92

Journal Publications

1. Sabrina Kirrane, Alessandra Mileo, Stefan Decker: Access control and the Resource Description Framework: A survey. *Semantic Web* 8(2): 311-352 (2017)
2. Christophe Debruyne, Oya Deniz Beyan, Rebecca Grant, Sandra Collins, Stefan Decker, Natalie Harrower: A semantic architecture for preserving and interpreting the information contained in Irish historical vital records. *Int. J. on Digital Libraries* 17(3): 159-174 (2016)
3. Catherine Ryan, Rebecca Grant, Eoghan Ó Carragáin, Sandra Collins, Stefan Decker, Nuno Lopes: Linked data authority records for Irish place names. *Int. J. on Digital Libraries* 15(2-4): 73-85 (2015)
4. Jürgen Umbrich, Aidan Hogan, Axel Polleres, Stefan Decker: Link traversal querying for a diverse Web of Data. *Semantic Web* 6(6): 585-624 (2015)
5. M. R. Kamdar, D. Zeginis, A. Hasnain, S. Decker, H. F. Deus. ReVeaLD: a user-driven domain-specific interactive search platform for biomedical research. *Journal of Biomedical Informatics*, Volume 47, pp.112-130, 2014.
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1. Oya Deniz Beyan, Siegfried Handschuh, Adamantios Koumpis, Garyfallos Fragidis, Stefan Decker: A Framework for Applying Data Integration and Curation Pipelines to Support Integration of Migrants and Refugees in Europe. *PRO-VE 2016*: 588-596
2. Michael Cochez, Stefan Decker, Eric Prud'hommeaux: Knowledge Representation on the Web Revisited: The Case for Prototypes. *International Semantic Web Conference (1) 2016*: 151-166
3. Oya Deniz Beyan, Stefan Decker: An RDF Based Semantic Approach to Model Temporal Relations in Health Records. *SWAT4LS 2016*

4. Christophe Debruyne, Oya Deniz Beyan, Rebecca Grant, Sandra Collins, Stefan Decker: On a Linked Data Platform for Irish Historical Vital Records. TPDL 2015: 99-110
5. Fadi Maali, Stéphane Campinas, Stefan Decker: Gagg: A Graph Aggregation Operator. ESWC 2015: 491-504
6. Muntazir Mehdi, Yasar Khan, André Freitas, Joao Jares, Stefan Decker, Ratnesh Sahay: A linked data platform for finite element biosimulations. SEMANTICS 2015: 89-96
7. Hugo Hromic, Danh Le Phuoc, Martin Serrano, Aleksandar Antonic, Ivana Podnar Zarko, Conor Hayes, Stefan Decker: Real time analysis of sensor data for the Internet of Things by means of clustering and event processing. ICC 2015: 685-691
8. Aftab Iqbal, Stefan Decker: Integrating Open Source Software Repositories on the Web through Linked Data. IRI 2015: 114-121
9. Aftab Iqbal, Stefan Decker: On the Need of Integrating Social Media Channels and Open Source Software Repositories. IRI 2015: 396-402
10. Ali Hasnain, Qaiser Mehmood, Syeda Sana e Zainab, Stefan Decker: A Provenance Assisted Roadmap for Life Sciences Linked Open Data Cloud. KESW 2015: 72-86
11. Oya Deniz Beyan, P. J. Mealy, Dolores Grant, Rebecca Grant, Natalie Harrower, Ciara Breathnach, Sandra Collins, Stefan Decker: Historical Data Preservation and Interpretation Pipeline for Irish Civil Registration Records. OTM Workshops 2015: 466-475
12. Muntazir Mehdi, Aftab Iqbal, Yasar Khan, Stefan Decker, Ratnesh Sahay: Detecting Inner-Ear Anatomical and Clinical Datasets in the Linked Open Data (LOD) Cloud. BDM2I@ISWC 2015
13. Syeda Sana e Zainab, Muhammad Saleem, Qaiser Mehmood, Durre Zehra, Stefan Decker, Ali Hasnain: FedViz: A Visual Interface for SPARQL Queries Formulation and Execution. VOILA@ISWC 2015: 49
14. M. Mehdi, A. Iqbal, A. Hasnain, Y. Khan, S. Decker, R. Sahay. Utilizing domain-specific keywords for discovering public sparql endpoints: a life-sciences use-case. In Proceedings of the 29th Annual ACM Symposium on Applied Computing, The Semantic Web And Applications (SWA) Track, 2014, ACM, 2014.
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4.4 Research Funding History

I have a strong focus on the acquisition of research funding from public and private sources. The biggest grants are the LION 2 grant acquisition, where my overall responsibility is for €19,546,340, and the participation in the Insight Data Analytics Institute acquisition where I am currently responsible for €14,000,000. The list below does not contain the details of some commercially sensitive acquisitions such as from [Cisco](#) and [Fujitsu](#).

I have a strong track record in the acquisition of EU funding - such as initiating the 11 Million Euro Integrated Project Nepomuk as well as in the acquisition of commercialisation funding such as from Enterprise Ireland.

Applicants:	Stefan Decker
Title and Duration	VeritaWire (2.1.2014-31.12.2014)
Funding Agency & Ref	SFI, TIDA
Value for PI	€127,121

Applicants:	Stefan Decker, PI
Title and Duration	BYTE (1.1.2014-31.12.2016)
Funding Agency & Ref	EU-Coordinated Action, FP7
Value for PI	€134,499

Applicants:	Stefan Decker, PI, overall Project Coordinator
Title and Duration	Waternomics (1.2.2014-31.01.2017)
Funding Agency & Ref	EU-STREP, FP7
Value for PI	€663,614

Applicants:	Stefan Decker, PI
Title and Duration	SmarterData Platform (16.10.2013-16.7.2014)
Funding Agency & Ref	Enterprise Ireland
Value for PI	€171,472

Applicants:	Co-Directors: Stefan Decker, Pdraig Cunningham, Barry Smyth, Alan Smeaton, Brian Caulfield, Barry O'Sullivan
Title and Duration	Insight - Irelands Data Analytics Centre (1.7.2013-30.06.2019)
Funding Agency & Ref	SFI
Total Value	€58,000,000 Grant + € 30,000,000 Industry Contribution (Stefan Decker: 14,400,000 Grant)

Applicants:	Stefan Decker, PI, Project Coordinator
Title and Duration	SIFEM (1.2.2013-31.01.2016)
Funding Agency & Ref	EU-STREP, Objective ICT-2011.5.2 Virtual Physiological Human, FP7
Value for PI	€452,803

Applicants:	Stefan Decker, PI
Title and Duration	Social Semantic Journalism (1.1.2013-31.12.2013)
Funding Agency & Ref	SFI, TIDA
Value for PI	€99,612

Applicants:	Stefan Decker, PI
Title and Duration	KISTI-Acquisition of Compatibility with Linked Open Data 01.05.2012-31.11.2012
Funding Agency & Ref	The Korea Institute of Science and Technology Information IV-2011-3306
Total Value & Own	€64488 (€ 58,622)

Applicants:	Stefan Decker, PI
Title and Duration	Technology Centre for eLearning (1.5.2012-30.04.2018)
Funding Agency & Ref	Enterprise Ireland
Value for PI	€236,197

Applicants:	Stefan Decker, PI
Title and Duration	Linked2Media – An Open Linked Data Platform 01.10.2011- 30.09.2014
Funding Agency & Ref	EU-FP7 (EC-286714)
Total Value & Own	€ 2,216,500 (€ 486,873)

Applicants:	Stefan Decker, Co-PI, PI Barry Smyth, Vincent Wade, Josef van Genabith, Willie Donnelly.
Title and Duration	Technology Center for Learning 25.10.2011 – 24.10.2013
Funding Agency & Ref	Enterprise Ireland Technology Center CC-2011_0006
Total Value & Own	€3,885,440 (€181,690)

Applicants:	Stefan Decker, PI
Title and Duration	CDM - CSET Commercialisation Initiative (01.04.2010 – 31.03.2011)
Funding Agency & Ref	Enterprise Ireland, CSET Commercialisation Initiative CT20090006
Total Value	€162,500

Applicants:	Stefan Decker, PI
Title and Duration	CDM2 - CSET Commercialisation Initiative stage 2011 – 2013
Funding Agency & Ref	Enterprise Ireland, CT 2011 0006 -stage 2
Total Value	€487,500

Applicants:	Stefan Decker, PI
Title and Duration	Net2 - A Network for Enabling Networked Knowledge 01.07.2010 – 30.06.2013
Funding Agency & Ref	EU-FP 7 EC-247601
Total Value & Own	€ 41,400

Applicants:	Stefan Decker, PI
Title and Duration	EI Grant to Support Strategic Approaches to FP7 by Research Centres/Groups (01.02.2009-31.5.2010)
Funding Agency & Ref	Enterprise Ireland CS/2009/0912
Total Value & Own	€ 100,000 (€50,000)

Applicants:	Stefan Decker, PI
Title and Duration	BIKE Subcontract-Dev of Digital Library Hub System using Library 3.0 Technology (1.6.2009-31.5.2010)
Funding Agency & Ref	Subcontract from Seoul National University
Total Value	€ 43,973

Applicants:	Stefan Decker, PI
Title and Duration	EADS contract (17.11.2010 – 17.05.2011)
Funding Agency & Ref	EADS UK Commercial Department, Ref. ID No.: IW102058
Total Value	€80,900

Applicants:	Stefan Decker (Lead PI, Director), Co-PIs: Siegfried Handschuh, Axel Polleres, Paul Buitelaar, Manfred Hauswirth
Title and Duration	Lion 2 – Enabling Networked Knowledge (1.1.2009-31.05.2013)
Funding Agency & Ref	SFI/08/CE/I1380
Total Value	€19,546,340

Applicants:	Stefan Decker, PI
Title and Duration	FAST – Fast and Advanced Storyboard Tools 1.3.2008-29.02.2011
Funding Agency & Ref	EU-FP 7 EC-216048
Total Value & Own	€ 3,564,151 (€ 397,913)

Applicants:	Stefan Decker, PI
Title and Duration	ECOSPACE 1.5.2006-30.10.2009
Funding Agency & Ref	EU-FP 6 IP
Total Value & Own	€ 548,000

Applicants:	Stefan Decker, PI
Title and Duration	inContext 1.5.2006-31.1.2009
Funding Agency & Ref	EU-FP 6 STEP
Total Value & Own	€ 268,600

Applicants:	Stefan Decker, PI
Title and Duration	NEPOMUK 1.3.2006-30.04.2009
Funding Agency & Ref	EU-FP 6 IP
Total Value & Own	€ 1,295,000

Applicants:	Stefan Decker, PI
Title and Duration	elite (eLearning Centre) 1.1.2006-30.06.2009
Funding Agency & Ref	Enterprise Ireland
Total Value & Own	€ 2,500,000

Applicants:	Stefan Decker, PI
Title and Duration	ASG 1.9.2004-31.8.2006
Funding Agency & Ref	EU-FP 6 IP
Total Value & Own	€ 340,000

Applicants:	Gio Wiederhold, PI Stefan Decker, Key Person
Title and Duration	Ontoagents 1.6.2000-31.12.2004
Funding Agency & Ref	DARPA
Total Value & Own	\$ 1,052,000

References

On request.