



# Fabian M. Suchanek

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## Research Interests

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Knowledge Bases, Information Extraction, Semantic Web, Automated Reasoning, Knowledge Mining

## Professional Experience

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- 2016    **Full professor**  
at Télécom ParisTech University, Paris, France [▷](#)
  
- 2013    **Associate professor**  
at Télécom ParisTech University, Paris, France [▷](#)
  
- 2012    **Leader of the Otto Hahn Group “Ontologies”** [▷](#)  
at the Max Planck Institute for Informatics, Germany [▷](#)
  
- 2010    **Postdoctoral Researcher** (reporting to Dr. Serge Abiteboul [▷](#))  
at INRIA Saclay, France [▷](#)
  
- 2009    **Visiting Researcher** (reporting to Dr. Rakesh Agrawal [▷](#))  
at Microsoft Research, Search Labs in Mountain View, CA, USA [▷](#)

## Education

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- 2014    **French Habilitation** (HDR), University Paris 6
  
- 2014    **German Habilitation** (Venia Legendi), Saarland University
  
- 2008    **PhD in Computer Science** (supervised by Prof. Dr. Gerhard Weikum [▷](#))  
Max-Planck Institute for Informatics, Saarbrücken, Germany [▷](#)  
Grade: *summa cum laude*  
*Honorable Mention of the SIGMOD Jim Gray Doctoral Dissertation Award* [▷](#)
  
- 2005    **Master of Science in Computer Science**  
Saarland University, Germany [▷](#)  
Grade: 1.0, *excellent with distinction*  
*Winning the Günther Hotz award for the top computer science graduates* [▷](#)
  
- 2003    **Bachelor of Science in Cognitive Science**  
University of Osnabrück, Germany [▷](#)  
Grade: 1.0, *excellent with distinction*

## Awards, Scholarships, Grants

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- 2016 ANR Grant for 2 PhD students
- 2015 Best Reviewer Runner-up Award of the [▷ PIKM 2015 workshop](#)
- 2014 DigiCosme Grant from [▷ Paris-Saclay University](#), for 1 PhD student and 1 PostDoc
- 2014 Outstanding Reviewer Award at the [▷ WSDM 2014 conference](#), for the top 12% of 220 reviewers
- 2014 Best Reviewer Award of the [▷ PIKM 2014 workshop](#), out of 23 reviewers
- 2013 Third-best [▷ class](#) in terms of teaching quality out of 42 classes in CS at [▷ Saarland University](#)
- 2013 Best student paper award at the [▷ WWW 2013 conference](#), out of 125 accepted papers
- 2012 Best paper runner up of the [▷ EMNLP 2012 conference](#), top 3 out of 99 accepted papers
- 2011 Best demo award at the [▷ WWW 2011 conference](#), out of 25 accepted demos
- 2010 Otto Hahn Assistant Professorship, awarded to 4 scientists per year across all scientific disciplines at the Max Planck Society, with an annual budget of 30k EUR and 2 PhD positions for 3-5 years [▷](#)
- 2010 Honorable Mention of the SIGMOD Dissertation Award, 3 database researchers per year worldwide [▷](#)
- 2010 Otto Hahn Medal, 30 PhD graduates each year in the Max Planck Society, 5000 EUR [▷](#)
- 2005 Scholarship of the German Research Foundation (DFG) for the PhD [▷](#)
- 2005 Günter Hotz Award, 3 out of ca. 250 CS graduates at Saarland University each year, 1000 EUR [▷](#)
- 2004 Scholarship of the Max-Planck Society for the Master of Science [▷](#)

## Student and postdoc supervision

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- 2016- Jérôme Dockès, PhD student, with Gael Varoquaux
- 2016- Jonathan Lajus, PhD Student
- 2016 Katarina Tzompanaki, Postdoc
- 2015- Thomas Rebele, PhD student (1 demo, 1 resource paper)
- 2015 Danai Symeonidou, PostDoc (1 workshop publication, 1 demo)
- 2013 Aliaksandr Talaika, Master student (1st author on 1 workshop paper)
- 2013 Joanna Biega, student assistant (1st author on 1 demo publication; 2 workshop publications, 1 full paper)
- 2013 Farzaneh Mahdisoltani, intern (1st author on 1 full paper)
- 2012-2016 Luis Galárraga, PhD student (1st author on: 1 WWW paper, winning the best student paper award, 2 full papers, 3 workshop papers, 1 poster paper, 2 invited papers, 1 journal paper)
- 2012 Thomas Huet, intern (1st author on 1 workshop paper)
- 2007 Sabrina Wolter, Master student

I have also been a reviewer for the following doctoral theses: Ndapandula Nakashole (2012, Saarland University), Bilyana Taneva (2013, University of Saarbrücken), Simon Razniewski (2014, University of Bolzano), Benjamin Roth (2014, Saarland University), Ioana Ileana (2014, Télécom ParisTech University), Davide Mottin (2015, University of Trento), Arnab Dutta (2015, University of Mannheim), Julien Corman (2015, Toulouse University), Erdal Kuzey (2017, Saarland University), Dimitra Papadimitriou (2017, University of Trento).

## Scientific profile [▷](#)

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My main scientific project is the [▷ YAGO](#) knowledge base. The original paper from 2007 has attracted more than 2000 citations so far. The KB is used in numerous projects around the world, among others DBpedia and the IBM Watson Project. YAGO has given rise to the YAGO-NAGA project at the Max Planck Institute, where around a dozen researchers now work on key questions of semantic information processing. The KB is continuously being developed, with half a dozen follow-up publications.

Since my PhD, I have moved beyond the construction of KBs, and advanced into the application, the mining, and the maintenance of knowledge. Therefore, a large part of my citations (around 2500) come from publications in very diverse areas: information extraction, Web services, watermarking of knowledge bases, information retrieval, ontology matching, social tagging, and inductive logic programming.

## Publications [▷](#)

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The following indicators summarize my publications according to my [▷](#) Google Scholar profile. The conference rankings are from the Australian Computer Science Society, ranging from A\* (flagship conference) over A (excellent conference) to B (good conference) and C.

- Total number of publications: **62**
  - 19 full conference papers, 9 of them at A\* conferences (WSDM, WWW, ICDE, SIGIR, VLDB, SIGMOD), and 6 at A conferences (EMNLP, ISWC, CIKM, CIDR)
  - 3 journal publications, of which 1 in the VLDB journal
  - 9 short journal publications
  - 12 demo, 11 workshop, and 6 short publications, 19 of them at A\* conferences (NIPS, WWW, SIGKDD, VLDB, SIGMOD) or their workshops, 9 at A conferences (NAACL, CIKM, ISWC, TPD) or their workshops
  - 4 book chapters
- Total number of citations: **6200**
- Collaborations with **74 people** from **31 institutes**
- **h-index: 27**; i10-index: 44

All my publications are available on my [▷](#) homepage.

## Industrial Research Experience at Microsoft

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I was working in the Microsoft Research Search Labs team on the shopping portal of the Bing search engine.

- I was responsible for the User Interface and the Knowledge Representation of the prototype system.
- Together with Rakesh Agrawal and John Shafer, I submitted a patent on commerce search user interfaces (United States Patent Application 20110307504).
- I developed techniques for automated product extraction from the Web, which were shipped in a Microsoft product.

In 2012, the shopping portal of Bing was successfully discontinued. The research lab was shut down two years later.

## Teaching [▷](#)

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- 2014 - Standard teaching duty at Télécom ParisTech, Paris, France
- 2017 One week at Bucharest Polytechnical University, Romania
- 2016 One course at the RUSSIR Summer school in Saratov, Russia
- 2013 One course at the University of Saarbrücken, Germany
- 2011 One course at 3 universities in Senegal ([▷](#) pro bono)
- 2010 Some hours at Télécom ParisTech, Paris, France

## Service Activities

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- 2017 Co-organizer of the [▷](#) New Researcher Symposium at SIGMOD 2017
- 2016 Co-organizer of the [▷](#) New Researcher Symposium at SIGMOD 2016
- 2015 Demo chair of [▷](#) BDA (French national database conference)
- 2015 External expert for the Czech Science Foundation
- 2015 External expert for the [▷](#) Netherlands Organisation for Scientific Research
- 2015 PC co-chair of the [▷](#) “Web DB Workshop” at SIGMOD 2015
- 2014 PC co-chair of the Workshop [▷](#) “Knowledge Extraction” at NIPS 2014

- 2013 PC co-chair of the Workshop ▷ “Knowledge Extraction” at CIKM 2013
- 2013 PC co-chair of the PhD Workshop ▷ “PIKM 2013” at CIKM 2013
- 2013 Guest editor of a ▷ special issue of the ▷ Elsevier Journal of Web Semantics
- 2012 PC co-chair of the Workshop ▷ “Knowledge Extraction” at NAACL 2012
- 2012 PC co-chair of the PhD Workshop ▷ “PIKM 2012” at CIKM 2012
- 2011 PC co-chair of the PhD Workshop ▷ “PIKM 2011” at CIKM 2011

I have been reviewing for the following journals and conferences:

EMNLP 2016, CIKM 2016, IJCAI 2016, EDBT 2016, ESWC 2016, ICDE 2016, VLDB journal 2016, WWW 2016, WSDM 2016, Communications of the ACM 2016, ACM Transactions on Intelligent Systems and Technology 2015, Journal of Web Semantics 2015, CIKM 2015, ESWC 2015, WSDM 2015, ACL 2014, WSDM 2014, WWW 2013, ESWC 2013, NAACL 2013, Semantic Web Journal 2013, EDBT 2013, ICDE 2013, WSDM 2013, TODS 2013, VLDB 2013, EMNLP 2012, ESWC 2012, ACL 2012, EDBT/ICDT 2012, WSDM 2012, Communications of the ACM 2012, WWW 2012, TKDE 2012, EDBT 2011, TKDE 2011, TODS 2011, Artificial Intelligence journal 2011, BDA 2011, WWW 2011, AAAI 2010, WEBIST 2010, Journal of Web Semantics 2010, Transactions on Intelligent Systems and Technology 2010, WSDM 2010, ICDE 2010, EACL 2009, ESWC 2008, TKDE 2007, SIGKDD 2006 – plus workshops.

## Tutorials and Invited Talks

I have given 8 tutorials at international conferences (WWW 2015, VLDB 2014, SIGMOD 2013, ICDE 2013, EDBT 2011, IJCAI 2011, CIKM 2010, DASFAA 2009), mostly about knowledge bases, information extraction, and the Semantic Web. In addition, I have given the following invited talks.

- 2017 Bucharest Polytechnical University (seminar)
- 2017 Kazan University (seminar)
- 2017 Chelyabinsk University (seminar)
- 2017 WSDM Cup Workshop ▷ (keynote)
- 2016 Toronto University (seminar)
- 2016 Waterloo University (seminar)
- 2016 IBM Zürich ▷ (seminar)
- 2016 Leopoldina Journalist College in Saarbrücken Almaden ▷ (invited speaker)
- 2016 IBM Almaden ▷ (seminar)
- 2016 Facebook ▷ (seminar)
- 2016 Apple ▷ (seminar)
- 2016 IBM Zürich (seminar)
- 2016 Max Planck Institute (seminar)
- 2016 Leopoldina Journalist Convention (seminar)
- 2016 Google Zürich ▷ (seminar)
- 2016 Aalborg University ▷ (seminar)
- 2016 Wiki Workshop ▷ (invited speaker)
- 2016 French Workshop on Quality of Linked Data ▷ (keynote)
- 2016 Paris 5 University ▷ (seminar)
- 2016 SNIPS Seminar on Context-Sensitive Search ▷ (invited speaker)
- 2015 Workshop on Information and Communication Systems ▷ (invited speaker)
- 2015 25th anniversary of the Max Planck Institute for Informatics (invited speaker)
- 2014 KET workshop ▷ (keynote)
- 2015 Central Bank of Brazil (seminar)
- 2015 University of Bolzano, Italy ▷ (seminar)
- 2014 EGC Conference ▷ (keynote)
- 2014 New York Knowledge Engineering Meetup, Columbia U ▷ (invited speaker)
- 2014 APWeb Conference ▷ (invited speaker)

2014	AHA Workshop ▷	(invited speaker)
2014	University of Trento, Italy ▷	(seminar)
2014	University of Bolzano, Italy ▷	(seminar)
2014	East China Normal University ▷	(seminar)
2014	Stanford, USA ▷	(invited speaker)
2014	INRA, Paris, France ▷	(seminar)
2013	Yahoo Inc., California, USA ▷	(seminar)
2013	Google Inc., California, USA ▷	(seminar)
2013	Microsoft Research Silicon Valley, California, USA ▷	(seminar)
2013	Singapore Management University, Singapore ▷	(seminar)
2012	Webdam-Modas Workshop, Israel ▷	(invited speaker)
2012	WOLE Workshop at ISWC 2012 ▷	(keynote)
2011	Gaston Berger University, Senegal ▷	(seminar)
2011	Microsoft Research Cambridge, UK ▷	(seminar)
2011	University of Grenoble, France ▷	(seminar)
2010	SeCo workshop, Politecnico di Milano, Italy ▷	(invited speaker)
2010	Free University of Bozen/Bolzano, Italy ▷	(seminar)
2010	University of Amsterdam, Netherlands ▷	(seminar)
2010	INRIA Saclay, France ▷	(successful application talk)
2010	Microsoft Research Cambridge, UK ▷	(successful application talk)
2010	University of Oxford, UK ▷	(successful application talk)
2009	Politecnico di Milano, Italy ▷	(successful application talk)
2008	Microsoft Research Silicon Valley, California, USA ▷	(successful application talk)
2008	University of Karlsruhe, Germany ▷	(successful application talk)
2008	University of Washington, USA ▷	(unsuccessful application talk)
2008	L3S Research Center, Hannover, Germany ▷	(seminar)
2008	University of Osnabrück, Germany ▷	(seminar)
2008	German Research Center for Artificial Intelligence, Kaiserslautern, Germany ▷	(seminar)

## Organizational Activities

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2017 -	Responsible for the department of Computer Science at Paris-Saclay University ▷
2014 - 2016	Co-/Vice-responsible for the department of Computer Science at Paris-Saclay University ▷
2014 -	Co-responsible for the semester harmonisation across all disciplines at Paris-Saclay University ▷
2013 -	Responsible of the “Data & Knowledge” study track at Paris-Saclay University ▷
2012 - 2013	Representative of the Scientific Staff of the ▷ Max Planck Institute for Informatics
2007 - 2008	Member of the Examination Commission for Computer Science at Saarland University ▷
2007 - 2008	Students’ speaker of the Research Training Group (Graduiertenkolleg) ▷
2003 - 2008	Student representative in 8 commissions for hiring professors at Saarland University ▷
2003 - 2008	Member of the Students’ Union for Computer Science at Saarland University ▷
2001 - 2003	Founding member of the Students’ Union for Cognitive Science at the University of Osnabrück ▷

## Languages (formal)

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Java	expert
C# & ASP.NET	expert (some time ago)
C++, PASCAL, LISP	expert (a long time ago)
BASIC, Assembler	expert (a really long time ago)

## Languages (natural)

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German	fluent	(mother tongue)
English	fluent	(1 year in the US)
French	fluent	(teaching in French at Télécom ParisTech)
Italian	good knowledge	(8 semesters of study, Unicert 2)
Romanian	rudimentary knowledge	(studying at A2 level)
Spanish	rudimentary knowledge	(8 semesters of study, Unicert 2, but long ago)
Latin	rudimentary knowledge	(3 years at school, Latinum, very long ago)

### Extracurricular Activities

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2013-	Teaching a <a href="#">▷</a> dancing course (ongoing) at Télécom ParisTech, Paris, France
2013	Teaching a 14 week dancing course at the sports center of Saarland University
2010-2011	Teaching a 52 week dancing course at Télécom ParisTech, Paris, France
2008	Teaching an 18 week dancing course at the Max-Planck Institute for Informatics
2007	Teaching a 10 week dancing course at the Max-Planck Institute for Informatics

### Personal

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Nationality	German
Interests	Natural Languages, Programming, in particular on my SVG slide editor <a href="#">▷</a> PowerLine Philosophy, notably <a href="#">▷</a> Ethics, <a href="#">▷</a> Religion, and <a href="#">▷</a> Global Poverty