

# Curriculum Vitae

**Werner Geyer**

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## Summary

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I am currently managing the IBM Research Cognitive User Experience team in Cambridge. My passion for technology innovation lies at the intersections of data science and user experience. I have been managing and leading technical teams through design, implementation, deployment and evaluation of novel technologies for group collaboration, social computing, recommender systems and cognitive computing. My team is driving novel technologies into the market through rapid, iterative innovation & development and direct interactions with product teams and users. I am author / co-author of more than 70 scholarly articles and 25 patents. My work has been covered in the popular press and I have given many invited talks. I frequently serve as a chair on conferences, as program committee member, reviewer or workshop organizer. I have also worked directly on customer accounts and secured research funding for my research team over the years.

## Professional Experience

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**Manager & Principal Research Staff Member**, Cognitive User Experience (CUE) 2015 – present  
IBM T.J. Watson Research, Cambridge, MA

Group Research Areas:

- Enterprise Cognitive Assistants (Dialog)
- Cognitive Social Systems

**Research Manager**, Data Science User Experience (DUX) 2011 – 2015  
IBM T.J. Watson Research, Cambridge, MA

**Research Staff Member**, Social Software Group 2002 - 2010  
IBM T.J. Watson Research, Cambridge, MA

**Post-Doc**, Collaboration Architecture Group 2000 – 2001  
IBM T.J. Watson Research, Hawthorne, NY

**Research Scientist**, Department for Applied Computer Science IV 1995 – 2000  
University of Mannheim, Germany

**Summer Intern**, Networking Group 1994  
Institut Eurécom, Sophia-Antipolis, France

<b>Research Assistant</b> , Department for Applied Computer Science IV University of Mannheim, Germany	1993 – 1994
<b>Summer Intern</b> , Asset Management Software F. Deininger GmbH, Mannheim, Germany	1991
<b>Contract Programmer</b> , ERP Systems Computer Center GmbH, Mannheim, Germany	1989 – 1993
<b>Financial Consultant</b> BfG Bank AG, Mannheim, Germany	1989

## Education

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<b>Ph.D. Computer Science</b> University of Mannheim, Germany	1995 – 1999
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Dissertation (in German):

*"The digital lecture board – Concept, Design, and Implementation of a Whiteboard for Synchronous Teleteaching"*

Advisor: Prof. Dr. Wolfgang Effelsberg

<b>M.S. Computer Science &amp; Business Administration (Information Technology)</b> University of Mannheim, Germany, <b>Top 1%</b>	1990 – 1995
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Master's Thesis at Institut Eurécom, France:

*"Stream Synchronization in a Scalable Video Server Array"*

Advisor: Prof. Ernst Biersack

<b>Bank Trainee Program (Bankkaufmann)</b> BfG Bank AG, Mannheim, Germany	1987 – 1989
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<b>High School Diploma</b> Lieselotte-Gymnasium, Mannheim, Germany	1978 – 1987
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## Skills

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### Management

- Hiring, mentoring, and managing technical teams
- Cross-division management of funding programs and research agendas
- Project management from concept brainstorming through technical deployment
- Strategy and idea generation

## Technical Skills

- Web App Dev : Java, J2EE, HTML, HTTP, Javascript, jquery, CSS, XML, SQL, Hibernate, MyBatis, Postgres, DB2
- Desktop App Dev : Java, SWT, JFACE, Swing, Eclipse-based Applications
- Design: Fireworks, Photoshop, PowerPoint
- Data Analysis: Excel, SQL, Statistical Inference, Machine Learning
- Less recent experience (alphabetic order): Assembler, Basic, C / C++, COBOL, Estelle, Gauss, Pascal, IP Multicast, RTP / RTCP, SPSS, SIP, Tcl/Tk, TCP, UDP, Visual Studio

## Design

- Concept generation
- Storyboarding, Personas
- Wireframes, Rapid prototyping

## User Research

- Qualitative and quantitative research
- Experimental design (A-B testing)
- Semi-structured interviewing

## Foreign Languages

- German: native
- English: fluent written and spoken
- French: good knowledge
- Italian: basic knowledge

## Selected Invited Talks

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- “Cognitive Computing Research,” **Invited Talk**, MIT Sloan Cognitive Hackathon, Sep 2016
- “The Social Workforce at IBM - A Research Perspective on Building a Social Business,” **Guest Lecture**, University of Maryland, Nov 2013
- “Social Business 2.0 – From a Social to a Smarter Workforce” **Panelist**, IBM Research Colloquium, Madrid, Spain, Oct 2013
- “Exploring the Future at the IBM Research Center for Social Business,” **Keynote**, DNUG Spring Conference Jun 2012, Dortmund, Germany
- “Social Recommender Systems – An HCI Perspective,” **Keynote**, ACM RecSys Workshop on Recommender Systems and the Social Web, Oct 2011
- “Fuelling the Social Web with Recommender Systems,” **Invited Seminar**, University College Dublin, Oct 2009

## Selected Popular Press

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- CNN Money (12/04/2013): How IBM bypasses bureaucratic purgatory
- Harvard Business Review (09/30/2013): Can Internal Crowdfunding Help Companies Surface Their Best Ideas?
- Business Week (06/01/2009, print edition only): What's a friend worth?
- CNN (05/12/2008): 'Virtual water cooler' makes workplace more fun
- eWeek (Feb 14, 2005): IBM, Microsoft Collide on Collaboration

## Publications and Patents

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I am author / coauthor of **70+** scholarly articles with more than **3,874 citations** on [Google Scholar](#) and **25+** patents. For details, check out my [publications page](#) and [patents page](#).

## Awards and Scholarships

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- IBM **Outstanding Technical Accomplishment Award** on Social Recommender Systems, 2017
- 8<sup>th</sup> IBM Patent Plateau Award, 2015
- IBM **Science Accomplishment** on Social Recommender Systems, 2013
- ACM RecSys **Best Paper Award**, 2010
- Research Accomplishment for IBM Connections product transfer, 2009
- IBM **Outstanding Innovation Award** for Activities product transfer, 2007
- IBM Performance Award, 2005
- AACE **Best Paper Award**, World Conference on Educational Multimedia and Hypermedia 1998
- IEEE **Outstanding Paper Award**, IEEE International Conference on Multimedia Computing and Systems 1996
- Research scholarship granted by IBM Research Heidelberg, Germany, and the Ministry of Science and Education of Baden Württemberg, 1996 – 1998

## Teaching and Tutoring

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### Summer Intern Mentor

2000 - present

IBM Research, USA

- [Mikhail Masli](#), University of Minnesota, *now with IBM CHQ Workforce Analytics*
- [Hyungil Ahn](#), MIT Media Lab, *now with Noodle.ai, before GE & IBM Research Almaden*
- [Jilin Chen](#), University of Minnesota, *now with Google Research, before with IBM Research*
- [Pavan Vatturi](#), Oregon State University, *now with Mentor Graphics*
- [Lida Li](#), Oregon State University, *now with Pinterest, before with Microsoft*
- [Jianqiang Shen](#), Oregon State University, *now with Turn, before with PARC*
- [Shilad Sen](#), University of Minnesota, *now professor at Macalester College*
- [Roberto Silva Filho](#), University of California Irvine, *now with GE Global Research*

- [Andrew Witt](#), Harvard University School of Design, *now Founder and Director of Geometry Lab @ Harvard GSD, before Director of Research at Gehry Technologies, Los Angeles*
- [Juergen Vogel](#), University of Mannheim, Germany, *now professor at Bern University of Applied Sciences*
- [Heather Richter](#), Georgia Institute of Technology, *now professor at University of North Carolina at Charlotte*

**Student Supervisor** (Master's Thesis and undergraduate papers) 1996 - 1999  
Department for Applied Computer Science IV, University of Mannheim, Germany

- Michael Grundel
- Tino von Roden
- Jochen Müller
- Jürgen Vogel
- Martin Grumann
- Volker Hilt

**Teaching Assistant**, Department for Applied Computer Science IV 1996 - 1999  
University of Mannheim, Germany

**Instructor** Microsoft Word, Continuing Education Department 1994 - 1995  
University of Mannheim, Germany

**Teaching Assistant**, Department for Applied Mathematics 1992 - 1993  
University of Mannheim, Germany,

## Service and Volunteer Activities

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### Organizing Committee

- General Chair for ACM RecSys 2016 (hosted conference in Boston with ~600 participants)
- Area Chair for the Social Track at UMAP 2014
- Organizer ACM RecSys'13 Workshop on Recommender Systems and the Social Web
- Organizer ICWSM'13 Workshop on Social Computing for Workforce 2.0
- IBM Research HCI PIC Chair (Professional Interest Community), 2010 – 2012
- Tutorial Chair, ACM RecSys'12, Dublin, Ireland
- Organizer ACM RecSys'12 Workshop on Recommender Systems and the Social Web
- Workshop Chair, ACM RecSys'11, Chicago, IL
- Organizer ACM RecSys'10 Workshop on Recommender Systems and the Social Web
- Organizer ACM RecSys'09 Workshop on Recommender Systems and the Social Web
- Organizer ACM CSCW'08 Workshop on Social Networking in Organizations

## Program Committee

- Associate Chair CHI 2012
- ACM Recommender Systems RecSys 2008 – 2017
- International Conference on Weblogs and Social Media (ICWSM), 2009, 2011, 2012
- International Workshop on Groupware CRIWG, 2005 – 2011
- IW3C2 International World Wide Web conference WWW, 2000, 2002, 2009, 2010, 2015, 2016
- Autonomous Agent 2001 Workshop on Agent Supported Cooperative Work (WASCW'2001)

## Reviewer

- ACM Conference on Human Factors in Computing Systems, CHI 2003 – 2017
- ACM Conference on Computer-Supported Cooperative Work, CSCW 2002 -2017
- International Conference on Intelligent User Interfaces, IUI 2010 – 2013
- NSF Grant Proposal Reviewer, 2011
- UMAP User Modeling, Adaptation and Personalization, 2011, 2016, 2017
- Interact IFIP Conference on Human-Computer Interaction, 2011
- IEEE International Conference on Multimedia & Expo ICME, 2008 – 2009
- ACM Conference on Groupware Group, 2005
- Multimedia Tools and Applications Journal (MTAP), Springer, 2003 – 2008
- IEEE International Conference on Pervasive Computing and Communications PerCom, 2003

## Memberships

- Member of the RecSys Steering Committee (2016 - now)
- Member of the ACM (Association for Computing Machinery)
- Member of the editorial board of Multimedia Tools and Applications Journal, Springer (2003 – 2008)
- Member of the alumni organization of the University of Mannheim, AbsolventUM e.V., Germany
- Member of the Association for the Advancement of Computing in Education (AACE), VA, USA (June 1997 – July 1999)

## References

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Available upon request