Curriculum Vitae

Univ.- Prof. Dr. rer. nat. Sabina Jeschke

Position

Head of the Institute Cluster IMA/ZLW & IfU

Institute of Information Management in Mechanical Engineering (IMA) &
Center for Learning and Knowledge Management (ZLW) &
Associated Institute for Management Cybernetics e.V. (IfU)

Faculty of Mechanical Engineering
RWTH Aachen University

Vice Dean, Faculty of Mechanical Engineering, RWTH Aachen University

Chairwoman, Board of Management, VDI Aachen

Member of the Supervisory Board, Körber AG

Address

IMA/ZLW & IfU - RWTH Aachen University
Dennewartstr. 27
52068 Aachen
Germany

Contact Data

Phone: +49-241-80911-10
Mobile: +49-175-260-8752
Fax: +49-241-80911-22
E-Mail: sabina.jeschke@ima-zlw-ifu.rwth-aachen.de
Skype: sabina.jeschke
Web: http://www.ima-zlw-ifu.rwth-aachen.de/en/sabina.jeschke.html

Personal Data

Date and place of birth: 27th July 1968, Kungälv/Sweden
Married, 1 child (born 1991)

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

Scientific Career

Aachen	**Spokeswoman of the Professors of the Faculty of Mechanical Engineering, RWTH Aachen University**	since 10/2012
	Vice Dean, Faculty of Mechanical Engineering, RWTH Aachen University	since 10/2011
	University Professor, Director of the Institute Cluster IMA/ZLW & IfU (Institute of Information Management in Mechanical Engineering IMA, Center for Learning and Knowledge Management ZLW, Associated Institute for Management Cybernetics e.V. IfU), **Faculty of Mechanical Engineering, RWTH Aachen University**	since 06/2009
	Add.: Member of the Supervisory Board, Körber AG	since 05/2015
	RWTH Fellow	since 2013
	Excellence Initiative: Steering Committee and deputy speaker for the Profile Area „Information and Communication Technology"	since 06/2012
	Chairwoman, Board of Management, VDI Aachen	since 04/2012
	Foundation of the Nets 'n' Clouds GmbH, Associate, sideline job (Technology Consultancy)	since 12/2009
	Honorary Professorship, Institut für Technische Optik (ITO), University of Stuttgart, Germany	09/2009- 09/2010
Stuttgart	**University Professor (W3 with directorial function),** Director of the Central Information Technology Services (RUS), Director of the Institute for IT Service Technologies (IITS), **Electrical Engineering and Information Technology, University of Stuttgart, Germany**	05/2007- 05/2009
	Add.: Visiting Professor, Head of the Center for Multimedia in Teaching and Research (MuLF), Technische Universität Berlin, Germany	2007- 2009
Berlin	**Junior Professor,** Area of expertise: „ New Media in Mathematics and Natural Sciences", Director of the Center for Multimedia in Teaching and Research (MuLF), **School of Mathematics and Natural Sciences, Technische Universität Berlin, Germany**	2005- 2007
	Add.: Doctorate (Dr. rer. nat.) degree, grade: summa cum laude **Thesis in the area of Computer Sciences/Software Engineering**	2004
	Scientific Assistant and Project Leader in the area of eLearning/ eResearch	2001- 2004
Georgia/ USA	**Assistant Professor/Instructor,** Teaching and research visit, mathematical education for computer scientists and electrical engineers, **Georgia Institute of Technology, Atlanta, USA**	2000- 2001

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

Berlin	**Researcher,** **Institute of Mathematics, Technische Universität Berlin, Germany**	1997- 2000
	Add.: Foundation of the JeZorn GmbH, Associate, sideline job (Web-Technologies)	1998- 2003
California/ USA	**Research visit & student research project** **NASA Ames Research Center Moffett Field, California, USA**	1994
Berlin	**Studies in Physics, Mathematics and Computer Sciences, Technische Universität Berlin, Germany** 1993: Prediploma in Physics (grade: very good) 1997: Diploma in Physics (grade: 1.0 with honors)	1990- 1997

Research Areas (Selection)

Complex IT-Systems:

Semantic web and web service technologies, Internet of Things – cyber physical systems, data integration & data mining, artificial intelligence, agent technologies, cloud computing, Green IT & Green ET, virtual production intelligence, human machine interfaces

Robotics and Automation:

Cooperative robotics, heterogeneous robotics, web service technologies in robotics, artificial intelligence production technology, cognitive systems, multi-agent systems, design and realization of robotics laboratories, embodiment, humanoids

Traffic and Mobility:

Autonomous and partly-autonomous systems, driver assistance systems, car2car & car2X-systems, international cargo transportation, innovative loading units, telemetric systems for rescue scenarios, innovative mobility concepts

Virtual Worlds for Scientific and R&D Cooperations:

Virtual laboratories and remote laboratories, intelligent training environments and feedback technologies, intelligent assistants, user profiling, usage mining, ontology engineering, semantic encoding of field-specific content, integration technologies for information services

Innovation and Future Research:

Fields of Innovation, innovation characteristics, innovation cultures, monitoring of trends and foresight, empirical and IT-based analysis via Data Mining and Text Mining, communication and organizational development, work places models and works places of the future

Additional Key Activities:

Management and optimization of computer centers, ICT concepts of media centers and libraries, innovative teaching models, accessibility in web and automation technology, open knowledge models (Open Source, Open Hardware, Open Innovation, Open Access), diversity concepts, gender in natural sciences and technological fields, career consultancy for junior scientific staff

Awards

09/2015	Golden Nikola-Tesla Chain, conferred by the International Society for Engineering Pedagogy (IGIP) for outstanding achievements in the field of engineering pedagogy

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

07/2015	Winner of the RoboCup World Championship with the team Carologistics
04/2015	Winner of the RoboCup German Open with the team Carologistics
07/2014	Winner of the RoboCup World Championship with the team Carologistics
07/2014	Award winner: Germans "Digital Heads", awarded by the Society for Informatics (Gesellschaft für Informatik)
04/2014	Winner of the RoboCup German Open with the team Carologistics
03/2014	Best Paper Award, eTELEMED 2014, The Sixth International Conference on eHealth, Telemedicine, and Social Medicine, Barcelona, Spain, 23-27 March, 2014
12/2013	Theodore von Kármán Fellowship, outgoing: visiting scholar's research stay HKUST, HongKong, in 2014
08/2013	Best Paper Award Young Researcher, 22nd International Conference on Production Research (ICPR), Iguassu Falls, Brazil, 28 July - 1 August, 2013
02/2013	Best Paper Award, eTELEMED 2013, The Fifth International Conference on eHealth, Telemedicine, and Social Medicine, Nice, France, 24 Feb - 1 March, 2013
05/2013	Promotion to RWTH Fellow
11/2011	Promotion to IEEE Senior Member
06/2011	Winner in the "Blended Learning" category within the 2011 International E-Learning Awards for the contribution "RELOAD – A Semantic-based Knowledge Platform". Awarded by The International E-Learning Association (iELA).
04/2011	FRP.NRW Award 2011 for the EU research project "TelliBox"
09/2010	Runner-up in the "Academic Blended Learning" category within the 2010 International E-Learning Awards for the contribution "Web 2.0 Knowledge Map". Awarded by The International E-Learning Association (iELA).
03/2009	Best Paper-Award for the Human Computer Interaction (HCI) Track, 24th Annual ACM Symposium on Applied Computing, Honolulu, HI, USA, 9-12 March 2009
2004	Accepted for the ProFiL Programm of the Technische Universität Berlin, the Humboldt-Universität zu Berlin and the Freie Universität Berlin to support highly qualified female scholars to attain a full professorship.
10/1997	German National Academic Foundation "Studienstiftung des Deutschen Volkes" Accepted for a doctoral scholarship
10/1994	German National Academic Foundation "Studienstiftung des Deutschen Volkes" Accepted for a diploma scholarship

Memberships

Institute of Electrical and Electronics Engineers (IEEE) – **since 11/2011: Senior Member**
American Society of Mechanical Engineers (ASME)
Association for Computing Machinery (ACM)
Verein Deutscher Ingenieure (VDI) – **since 04/2012: Chairwoman, Board of Management, VDI Aachen**
Verband der Elektrotechnik und Informationstechnik e.V. (VDE)

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

Gesellschaft für Informatik e.V. (GI)
Deutsche Physikalische Gesellschaft (DPG)
Deutsche Mathematiker-Vereinigung e.V. (DMV)
American Mathematical Society (AMS)
American Society for Engineering Education (ASEE)
International Society for Engineering Education (IGIP)
European Society for Engineering Education (SEFI)
European Association of Software Science and Technology (EASST)
Deutsche Initiative für Netzwerkinformation e. V. (DINI)
Zentren für Kommunikation und Informationsverarbeitung e.V. (ZKI)
Das Deutsche Forschungsnetz (DFN)
European Physical Society (EPS)
The International Union of Pure and Applied Physics (IUPAP)

Teaching and Responsibilities

since 2010	Lecture: Projektmanagement (für Physiker) (Project Management (for Physicists))
since 2010	Lecture: Kommunikation und Organisationsentwicklung I+II (Communication and Organisational Development I+II)
since 2010	Lecture: Informatik im Maschinenbau I+II (Computer Science for Mechanical Engineering I+II)
since 2009	Course: Advanced Software Engineering (engl.)
2008-2009	Course: Free/Libre and Open Source Software Engineering
	Course: IT-Service Management
	Course: IT Services Infrastructures for the Internet (engl.)
	Lecture: Kompression visueller Daten (JPEG2000) (Compression of Visual Data)
since 2007	Different courses and seminars on "Robotics"
2007-2008	Lecture: "Naturwissenschaften in der Informationsgesellschaft" (Natural Science in the Information Society)
2002-2007	New media for the education of engineers and computer scientists
2000-2001	Lectures: Calculus III for computer scientists and electrical engineers (engl.)
1997-2000	Exercises for lectures for physicists and mathematicians
1994-1996	Tutorials for lectures for physicists

Language Skills

Swedish	Good knowledge of the language through a long stay in Sweden during childhood
English	Fluent spoken and written
French, Latin	School knowledge
Arabic,	Basic knowledge

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

Hebraic

Sign Language	Language courses, private lessons (DGS)

Academic Self-Administration

since 11/2012	**Spokeswomen of the Professors of the Faculty of Mechanical Engineering, RWTH Aachen University**
since 11/2011	**Vice Dean of the Faculty of Mechanical Engineering of the RWTH Aachen University**
since 07/2012	**Member of the Steering Committee for the field of "Information and Communication Technology ICT" (DFG Excellence Initiative) of the RWTH Aachen University**
2010-2012	Member of the board of directors of the Forum of Information Technology of the RWTH Aachen University, Germany
2008-2009	Member of the scientific committee, gender committee, Stuttgart University
2008-2009	Coordination of the central IT concept (together with the CIO), Stuttgart University
2001-2005	Member of the academic senate of the TU Berlin, Germany
1998-2000	Member of the committee for teaching and education of the TU Berlin, Germany
1997-2000	Member of the educational committee of the Institute for Mathematics, TU Berlin, Germany

Memberships in Expert Committees

2015	Member of the expert committee for the BMBF funding scheme "MIT for intelligent mobility"
2015-2016	Member of the selection committee of the Swedish Foundation for Strategic Research for the program „Smart Systems"
2015-2016	Selection Committee Member of the Swedish Foundation for Strategic Research for the „Smart Systems" program
since 07/2015	Member of the steering group for the working platform „NRW-Alliance Economy and Work 4.0"
2014-2016	Member of the international advisory committee for the Tempus project "Enhancing Quality of Technology-Enhanced Learning at Jordanian Universities", eQTeL
since 2014	Head of the expert group "Cybernetics & Robotics" in the CPS.HUB NRW – Innovation Platform for Cyber Physical Systems, Clustermanagement IKT.NRW
2014-2018	Member of the expert committee engineering sciences to accompany the project "nexus – design transitions, improve study success " of the German Rectors' Conference
2014	Reviewer and member of the scientific advisory board for the BMBF funding scheme „Interdisciplinary Competence Development"
2014	Member of the expert committee for reviewing project proposals, submitted at the

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

	polish National Science Centre
2014-2015	Mentor within the mentoring program of the Deutsche Physikalische Gesellschaft (DPG) (German Physical Society)
2014	Member of the expert committee for reviewing the BMBF-funded initiative "Modeling and Measuring Competencies in Higher Education"
2014-2016	Member of the board of trustees of the Centre for Cultural and General Studies (ZAK) of the Karlsruhe Institute of Technology (KIT)
2013-2014	Member of the expert committee for the Quality Audits 2013/14 of the Swiss Federal Institute of Technology Zurich (ETHZ)
2013	Member of the expert committee of the program „Zwanzig20 - Partnerschaft für Innovation", Ministry for Education and Research in Germany BMBF
since 03/2013	Member of the scientific advisory board of the Institute for Futures Studies and Technology Assessment (IZT)
since 03/2013	Member of the scientific advisory board of the Institute for Futures Studies and Technology Assessment (IZT)
2012-2013	Member of the conference committee „Demografietagung", Ministry for Education and Research in Germany BMBF
since 06/2012	Chair of the support association of the Faculty of Mechanical Engineering of the RWTH Aachen University (Fördervereins der Fakultät für Maschinenwesen)
since 10/2011	Member of the steering committees of the DFG Cluster of Excellence „Integrative Production Technology for High-Wage Countries" of the RWTH Aachen University
since 09/2011	Member of the Feedback-Group for the research report of the BMBF concerning young academics (BuWiN II)
2011-2012	Member of the conference committee „Dienstleistungstagung", Ministry for Education and Research in Germany BMBF
07/2011	Project referee for the Stifterverband für die Deutsche Wissenschaft
07/2011	Project referee for the Bayerische Forschungsstiftung
since 07/2011	Member of scientific committee of the Femtec.Network and representative for the RWTH Aachen University
since 04/2011	Member of the consortium „TuLAUT" (Theorie und Lehre in der Automatisierungstechnik)
since 03/2011	Member of advisory board of the Virtual Reality Center Aachen of the RWTH Aachen University, Germany
since 08/2010	Member of the expert committee of the German government program for a higher quality in education, (Bund-Länder-Programms für bessere Studienbedingungen und mehr Qualität in der Lehre, Gemeinsame Wissenschaftskonferenz GWK)
since 06/2010	Member of the advisory board of the Central Institution to Promote Women and Gender Studies "Zentraleinrichtung zur Förderung von Frauen- und Geschlechterforschung", Freie Universität Berlin, Germany

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

since 05/2010	Referee for the German Research Foundation (Deutsche Forschungsgemeinschaft DFG)
since 04/2010	Referee for the Innovedum-Project "Intelligent Electromobility" of the teaching committee at the ETH Zürich, Switzerland
since 03/2010	Guidance counselor (lecturer) at the RWTH Aachen University on behalf of the German National Academic Foundation "Studienstiftung des Deutschen Volkes", Germany
since 01/2010	Member of the senate committee competition ("Senatsausschuss Wettbewerb", SAW) of the knowledge community Gottfried Wilhelm Leibniz (Leibniz-Gemeinschaft) e.V.
since 2009	Referee for the research program Sparkling Science of the Bundesministerium für Wissenschaft und Forschung, Austria
2009	Referee and member of the work group for the evaluation of the Federal Highway Research Institute "Bundesanstalt für Straßenwesen" (BASt)
since 2008	Member of the committee for the distribution of postdoctoral scholarships of the Margarete von Wrangell Habilitation Program "Margarete von Wrangell-Habilitationsprogramm", Germany
since 2008	Referee for the acceptance of students for the German National Academic Foundation "Studienstiftung des Deutschen Volkes", Bonn, Germany
since 2008	Referee of the federal state program "ProExzellenz" of the Free State Thuringia for the advancement of research, innovation, the young generation and teaching
2008-2009	Stuttgart University: coordination of the gender concept (together with the president)
2006-2009	Reviewer and member of the advisory board of the OWL-Program (Program for the improvement of teaching), Technische Universität Berlin, Germany
2006-2007	Member of the committee to grant postdoctoral scholarships, Syrian Ministry for Education and University Education, Damascus/Aleppo, Syria
2006-2007	Member of the committee to grant postdoctoral scholarships of the NaFöG program "Promotionsstipendien nach dem Nachwuchsförderungsgesetz", Berlin, Germany
2004-2007	Concepts for the university ICT reformation, academic senate of the TU Berlin
2003	Development of guidelines for the promotion of women at the TU Berlin, academic senate of the TU Berlin

Committee Memberships – Conferences/Journals (Selection)

18th International Conference on Enterprise Information Systems (ICEIS), Rome, Italy, 27-30 April 2015 (member of program committee)

7th International Conference on Knowledge Engineering and Ontology Development (KEOD 2015), Lisbon, Portugal, 12-14 November 2015 (member of program committee)

IEEE Conference on Frontiers in Education (FIE 2015), EL Paso, Texas, USA, 21-24 October 2015 (member of technical program committee)

IEEE International Conference on Systems, Man, and Cybernetics (SMC 2015), Hong Kong, 9-12 October, 2015 (member of reviewer committee)

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

International Symposium on Advances in Embedded Systems and Applications (EMBEDDED 2015), Barcelona, Spain, 19-23 April, 2015 (member of program, technical program and advisory committee)

International Conference on Intelligent Robotics and Applications (ICIRA 2014), Guangzhou, China, 17-20 December, 2014 (member of advisory committee)

IEEE International Conference on Systems, Man, and Cybernetics (SMC 2014), San Diego, California, USA 5-8 October, 2014 (member of program committee)

John Wiley & Sons, England, reviewer of a book proposal on the topic of cyber physical systems, submitted at the publishing company

16th International Conference on Enterprise Information Systems (ICEIS), Lisbon, Portugal, 27-30 April 2014 (member of reviewer committee)

4th International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS), Lisbon, Portugal, 7-9 January 2014 (member of reviewer committee)

3rd International Conference on Consumer Electronics, Communications and Networks (CECNet), Xianning, China, 20-22 November 2013 (member of technical program committee)

1st Workshop on Field-Deployable Mobile Robots, Thuwal, Saudi Arabia, November 2013 (member of technical program committee)

IEEE International Conference on Systems, Man, and Cybernetics (SMC), Manchester, UK, 13-16 October 2013 (member of reviewer committee)

TALE2013 – IEEE International Conference on Teaching, Assessment and Learning for Engineering, Bali, Indonesia, 26-29 August 2013 (member of reviewer committee)

KyWi 2013 Conference on Economic and Social Cybernetics 2013, Bern, Switzerland, 04 - 05 July 2013 (member of reviewer committee)

EDUCON 2013 in Berlin, Germany, 13-15 March 2013 (member of international advisory board)

MTEL 2012 Workshop on ISM 2012 in Irvine, CA, USA, 10-12 December 2012 (member of program committee)

3rd International Conference on the Internet of Things (IoT2012), Wuxi, China, 24-26 October 2012 (chair: poster review committee)

IEEE EDUCON 2012 Conference "Collaborative Learning & New Pedagogic Approaches in Engineering Education", Morocco, 17-20 April 2012 (member of reviewer committee)

IEEE Multiconference on Systems, Signals & Devices (IEEE SSD 2012), Chemnitz, Germany, 20-24 March 2012 (member of program committee)

Journal of Systems and Software, 2011 (journal reviewer)

IEEE International Symposium on Multimedia (ISM2011), Dana Point, California, USA, 5-7 December 2011 (member of program committee)

13th International Conference on Enterprise Information Systems (ICEIS 2011), Beijing, China, 8-11 June 2011 (member of the international program committee)

3rd Future Forum on Innovative Abilities" 3. Zukunftsforum Innovationsfähigkeit" of the Federal Ministry for Education and Research in Germany (BMBF), 31 March - 1 April 2011, Berlin Congress Center, Germany (member of the program committee)"

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

ITSE Special Issue - Multimedia Technologies in E-Learning, 2010 (journal reviewer)

European Journal of Engineering Education, since 2010 (journal reviewer)

4th IEEE International Workshop on e-Activity (IEEE-IWEA2010), August 2010, Yamagata, Japan (member of reviewer committee)

The Open Virtual Reality Journal (TOVRJ)'' (Bentham), since 2009 (journal reviewer)

European Journal of Information Systems (EJIS)'' (Palgrave Macmillan), since 2009 (journal reviewer)

Journal "Transactions on Learning Technologies'' (IEEE), Manuscript Type: Special Issue on RemoteLabs, 2009 (journal reviewer)

ACM/IEEE International Conference on Management of Emergent Digital EcoSystems (MEDES), workshop GRIT, Lyon/France, 27-30 October 2009 (member of reviewer committee)

2009 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2009) San Antonia, Texas, USA, 11-14 October 2009 (member of reviewer committee)

38th IGIP Symposium, Quality and Quantity of Engineering Education, Graz, Austria, 6-9 September 2009 (member of program committee)

KGCM 2009 - 3rd International Conference on, Knowledge Generation, Communication and Management, Orlando, Florida, USA, 10-13 July 2009 (member of reviewer committee)

ICSTC-2009 - 2nd International Computer Science and Technology Conference track on Web-Based Learning: Innovation and Challenges (WeLearn-2009), San Diego, California, USA, 30 June - 1 July 2009 (member of program committee)

IWEA 2009 - 3rd International Workshop on e-Activity Daegu, South Corea, 27-28 May 2009 (member of program committee)

International Conference on Computer Supported Education - CSEDU 2009, Lisbon, Portugal, 23-26 March 2009 (member of program committee)

WCES-2009 - World Conference on Educational Sciences, (ISSHP/ISI Proceedings-SSCI), Nicosia, North Cyprus, 4-7 February 2009 (member of reviewer committee)

International Journal of Interactive Technology and Smart Education (ITSE), Troubador, 2008 und 2009 (journal reviewer)

IADIS e-Society conferences, 2006, 2007, 2008, Freiburg, Germany (member of program committee)

CSCW Computer Supported Cooperative Work 2006, Banff, Canada, 4-8 November 2006 (referee)

ASEE Annual Conference (American Society for Engineering Education), Emerging Trends Session, Chicago, USA, 18-21 June 2006 (referee)

Session on Knowledge Evolution within CSIT 2006, Amman, Jordan, 5-7 April 2006 (associated member of the program committee)

First WebALT conference and exhibition, Eindhoven, Netherlands, 5-6 January 2006 (referee and member of the program committee)

13th Information Technology Days in Leipzig, "From e-Learning to e-Payment", Leipzig, Germany, 21-23 September 2005 (associated member of the program committee)

Conferences and Workshops - Host

Exploring Cybernetics – RWTH Research Conference, 12.-14.10.2014, Aachen, Germany

„Women to the Top – Plugging the Leaky Pipeline", Colloquium, 21 November 2012, Aachen, Germany

Exploring Virtuality – RWTH Research Conferences , 4-6 November 2012, Aachen, Germany

Conference for Management and Social Cybernetics (KyWi 2012), 28-29 June 2012, Aachen, Germany

3rd KISSWIN Symposium, 19th January 2012, Berlin, Germany

International Conference on Intelligent Robotics and Applications (ICIRA 2011) 6-9 December 2011, Aachen, Germany

Exploring Uncertainty – RWTH Research Conferences, 9-11 October 2011, Aachen, Germany

IMO International Conference "Emergence of Innovation" 10-11 October 2011, Aachen, Germany

TeachING-LearnING.EU Conference, 8 June 2011, Aachen, Germany

Annual Meeting of the Society for Economics and Social Cybernetics (Gesellschaft für Wirtschafts- und Sozialkybernetik (GWS)) and the Associated Institute for Management Cybernetcis (IfU), 7-8 July 2011, Stuttgart, Germany

IMO International Conference "Enabling Innovation Facing Global Dilemmas" 30 September - 1 October 2010, Potsdam, Germany

2nd KISSWIN Symposium, 25 February 2010, Berlin, Germany

ZKI Symposium 30 March - 1 April 2009, Stuttgart (ZKI: Zentren für Kommunikation und Informationsverarbeitung in Lehre und Forschung e.V.)

eLearning Integration Symposium "Nemesis - New Media Support & Infrastructure", 25 November 2005, Berlin

eLTR Conference - eLearning, eTeaching and eResearch in Mathematics, Berlin, 26-27 November 2004, Berlin, Germany

Supervision of Postgraduates - Primary Supervisor - Finished Dissertations

Name	Title	University	Date	Title
Dipl.-Inform. Philipp Meisen	Analysing Time Interval Data	RWTH Aachen University	10/2015	Dr. rer. nat.
Dipl.-Math. Rudolf Reinhard	Visual Analytics für die Virtuelle Produktion	RWTH Aachen University	10/2015	Dr.-Ing.
Dipl. Dolm. Dipl. Wirt.-Inf. Ute Heinze geb. Heckel	Using Web Content Mining for Analyzing Job Requirements in Online Job Advertisements	RWTH Aachen University	10/2015	Dr. rer. nat.
Dipl.-Ing. Christian Büscher	Ontologiebasierte Kennzahlenentwicklung für Virtual Production Intelligence	RWTH Aachen University	10/2015	Dr.-Ing.
Dipl.-Ing. Sebastian Thelen	Gracefully Degrading Biomedical Real-time Signal Transmission in Mobile Ad Hoc Networks	RWTH Aachen	06/2015	Dr.-Ing.

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

Name	Title	University	Date	
		University		
Dipl. Wirt. Inf. Jesko Elsner	AI-Driven Volunteer Selection	RWTH Aachen University	02/2015	Dr.-Ing.
Philipp Wolters M.A.	Kybernetisches Mess- und Bewertungsmodell der Unternehmens-IT in KMU des Maschinen- und Anlagenbaus	RWTH Aachen University	12/2013	Dr. rer. nat.
Dipl.-Inform. Daniel Ewert	Adaptive Ablaufplanung für die Fertigung in der Factory of the Future	RWTH Aachen University	12/2013	Dr.-Ing.
Hamido Hourani M.Sc.	Exploring an unknown graph by a team of robots using Serendipity algorithm	RWTH Aachen University	09/2013	Dr. rer. nat.
Mohammad Alfraheed M.Sc.	Stereo Vision System for Longitudinal and Lateral Control of Heterogeneous Vehicle Platoons on Unstructured Environment	RWTH Aachen University	07/2012	Dr. rer. nat.

Supervision of Postgraduates - Secondary Supervisor - Finished Dissertations

Name	Title	University	Date	Primary Supervisor
Andy Bruntsch	The Fundamentals Behind Responsive Processes	HKUST	08/2015	Mitchell M Tseng
Dipl.-Ing. Dominik Stengel	Optische Arbeitsraumüberwachung zur sicheren und effizienten Mensch-Roboter-Kooperation	TU München	03/2015	Birgit Vogel-Heuser
Dipl.-Soz. Helmut Vieritz	Ein Modell für die benutzerzentrierte Entwicklung barrierefreier Benutzungsschnittstellen am Beispiel einer Webapplikation	RWTH Aachen University	02/2015	Martina Fromhold-Eisebith
Dipl.-Inform. Christian Tummel	Eine Kooperationsplattform für KMU-Speditionen zur linien-basierten Optimierung der LTL-Disposition	RWTH Aachen University	01/2015	Klaus Henning
Katharina Schuster M.A.	Einfluss natürlicher Benutzerschnittstellen zur Steuerung des Sichtfeldes und der Fortbewegung auf Rezeptionsprozesse in virtuellen Lernumgebungen	RWTH Aachen University	09/2014	Martina Ziefle
Claudia Jooß M.A.	Gestaltung von Kooperationsprozessen interdisziplinärer Forschungsnetzwerke	RWTH Aachen University	06/2014	Ingrid Isenhardt
Dipl.-Wi.-Ing. Mathey Wiesbeck	Struktur und Repräsentation von Montagesequenzen für die situationsorientierte Werkerführung	TU München	02/2014	Michael Zäh
Dipl.-Inform. Carsten Wagels	Auswahl und Leistungsbewertung von Technologien für die selbstoptimierende Produktion	RWTH Aachen University	12/2013	Robert Schmitt
Dipl.-Ing. Alexandra Ottong	Erfolgsfaktoren für den kulturgerechten Methodeneinsatz in organisatorischen Veränderungsprojekten	RWTH Aachen University	11/2013	Robert Schmitt
Phil Friedrichsmeier M.A.	Eine Business-Architektur für Frachtenkooperationen kleiner und mittlerer Speditionen im Straßengüterverkehr zur optimierten Disposition von Teilladungstransporten	RWTH Aachen University	09/2013	Klaus Henning
Florian Welter M.A.	Regelung wissenschaftlicher Exzellenzcluster mittels scorecardbasierter Performancemessung	RWTH Aachen	06/2013	Klaus Henning

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

		University		
Sven Trantow M.A.	Ein kybernetisches Modell für das Internationale Monitoring von F&E-Programmen im Bereich der Arbeitsforschung	RWTH Aachen University	12/2012	Klaus Henning
Ingo Leisten M.A.	Transfer Engineering in transdisziplinären Forschungsprojekten	RWTH Aachen University	12/2012	Klaus Henning
René Vossen M.A.	Ein Verfahren zur Ermittlung und Bewertung des Intellektuellen Kapitals von wissenschaftlichen Exzellenzclustern	RWTH Aachen University	12/2012	Klaus Henning
Dipl.-Ing. Max Klingender	Verkehrssicherheit längerer Nutzfahrzeugkonzepte des Straßengüterfernverkehrs	RWTH Aachen University	12/2012	Klaus Henning
Dipl.-Inform. Tobias Meisen	Framework zur Kopplung numerischer Simulationen für die Fertigung von Stahlerzeugnissen	RWTH Aachen University	07/2012	Klaus Henning
Dipl.-Wi.-Ing. Matthias Müller	Eine Methodik zur Reduktion der technikbedingten Produktrisiken telematischer Rettungsassistenzsysteme	RWTH Aachen University	07/2012	Klaus Henning
Dipl.-Ing. Mirco Vitr	„CAM-NC-Kopplung für einen durchgängigen, bidirektionalen Informationsfluss zwischen Planung und Fertigung	RWTH Aachen University	06/2012	Christian Brecher
Frank Dehen	Bayes-Netzwerke für die Kostenprognose in der frühen Phase der Produktentwicklung	RWTH Aachen University	04/2011	Jörg Feldhusen
Marc Beckerleg	The Use of Genetic Algorithms to Evolve Robotic Controllers	AUT University, New Zealand	01/2012	John Collins
Dipl.-Inform. Esther Manja Ndjeka	Neue Medien in der Mathematikausbildung von Ingenieurinnen und Ingenieuren unter Berücksichtigung des sprachlichen und kulturellen Kontextes	TU Berlin	01/2012	Lars Knipping
Dipl.-Ing. Sebastian Jursch	Development of an all-purpose intermodal loading unit for transportation via road, rail, short sea and inland shipping for the use in Europe and Russia	RWTH Aachen University	11/2011	Klaus Henning
Uschi Rick M.A.	Agiles Informationsmanagement. Vorgehensmodell für die agile Entwicklung von Informations- und Kommunikationssystemen	RWTH Aachen University	11/2011	Klaus Henning
Dipl.-Wirt.-Inf. Oliver Budde	Produktlebenszyklusmodell für die Telekommunikationswirtschaft	RWTH Aachen University	10/2011	Günther Schuh
Dipl.-Wi.-Ing. Ralph Kunze	Elektronisch gekoppelte Lkw – ein Beitrag zur effizienteren Nutzung deutscher Autobahnen	RWTH Aachen University	09/2011	Klaus Henning
Dipl.-Ing. Arno Gramatke	Entwicklung und Einführung eines Projektmodells für kritische IT-Projekte	RWTH Aachen University	09/2011	Klaus Henning
Dipl.-Ing. Nikolai Krambrock	Geschäftsprozessorientierte Automatisierung kontextabhängiger Informationssysteme	RWTH Aachen University	06/2011	Günther Schuh

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de

RWTH AACHEN UNIVERSITY

Dipl.-Ing. Bastian Ibach	Konzeption und Entwicklung einer serviceorientierten Integrationsarchitektur für die Vernetzung von Medizinprodukten im Operationssaal	RWTH Aachen University	06/2011	Klaus Rademacher
Thilo Münstermann M.A.	Kulturgerechte Gestaltung von betrieblichen Veränderungsprojekten mit einem unternehmenskybernetischen Ansatz	RWTH Aachen University	03/2011	Klaus Henning
Esther Borowski M.A.	Agiles Vorgehensmodell zum Management komplexer Produktionsanläufe mechatronischer Produkte in Unternehmen mit mittelständischen Strukturen	RWTH Aachen University	03/2011	Klaus Henning
Dipl.-Ing. Michael Protogerakis	Systemarchitektur eines telematischen Assistenzsystems zur Unterstützung des Rettungsdienstpersonals in der präklinischen Notfallversorgung	RWTH Aachen University	03/2011	Klaus Henning
Dipl.-Ing. Dipl.-Kfm. Eckart Hauck	Ein kognitives Interaktionssystem zur Ansteuerung einer Montagezelle	RWTH Aachen University	03/2011	Klaus Henning
Dipl.-Ing. Tobias Kempf	Ein kognitives Steuerungsframework für robotergestützte Handhabungsaufgaben	RWTH Aachen University	10/2010	Christian Brecher
Dipl.-Inform. David Lutz	Payment Processes for Identity Federations: The SAML-based Payment Approach	Zürich University	10/2010	Burkhard Stiller
Dipl.-Ing. Thomas Stiedl	Multimodale Interaktion mit Automatisierungsgeräten	Stuttgart University	12/2009	Peter Göhner
Dipl.-Ing. Daniel Schilberg	Architektur eines Datenintegrators zur durchgängigen Kopplung von verteilten numerischen Simulationen	RWTH Aachen University	12/2009	Klaus Henning
Dipl.-Ing. Anette Hermanns	„House of Learning" als Basis für Qualitätsmanagement gemäß EFQM für die praxisnahe universitäre Ausbildung in den Ingenieurswissenschaften	RWTH Aachen University	12/2009	Klaus Henning
Dipl.-Ing. (FH) Verena Jänen	Ein transponderbasiertes Informationssystem für die Produktion hybrider Mikrosysteme in wandelbaren Produktionsnetzwerken	RTWH Aachen University	12/2009	Klaus Henning

IMA/ZLW & IfU – RWTH Aachen University
Institute of Information Management in Mechanical Engineering IMA
Center for Learning and Knowledge Management ZLW
Assoc. Institute for Management Cybernetics e.V. IfU

Head of Institute: Univ.-Prof. Dr. rer. nat. Sabina Jeschke
1st Deputy: apl.-Prof. Dr. habil. Ingrid Isenhardt
2nd Deputy: Dr. rer. nat. Frank Hees
Senior Advisor: Univ.-Prof. Dr.-Ing. em. Klaus Henning

http://www.ima-zlw-ifu.rwth-aachen.de