



Gabriele Kotsis

curriculum vitae

Affiliation

University Johannes Kepler University Linz
Institute Department of Telecooperation
Position Full Professor, Head of Department
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ACM Affiliation

Position President
Association for Computing Machinery
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Personal Data

Full Name Univ.-Prof. Mag. Dr. Gabriele Kotsis
Home Michael Hainisch Strasse 2/12, 4040 Linz, Austria
Mobile +43 664 310 9533
Date of Birth October 29, 1967 in Vienna, Austria
Citizenship Austria
Gender Female

Current and Past Positions

- 2002–present **Full Professor**, *Johannes Kepler University Linz*, Austria, Department of Telecooperation (Sabbatical October 2015 - February 2016)
Job Profile:
- Computer Science
 - Head of Department
 - Definition of the departments research strategy and direction, acquisition of third party funding, research project management and administration
 - Teaching of lectures and seminars in the Bachelor and Master programmes of Computer Science and Business Informatics as well as elective computer science courses for related study programmes, supervision of Bachelor, Master and PhD students, involvement in international study and exchange programmes
 - University administration including management of the department, recruitment of administrative, technical and scientific staff, active membership in academic committees
- 2007–2015 **Vice Rector for Research**, *Johannes Kepler University Linz*, Austria
Job Profile:
- Development of R&D strategies and policies within the University of Linz including the shaping of the University's research profile, guidelines for third party funding, guidelines and support for project acquisition and management
 - Gender mainstreaming
 - Strategic coordination and interaction with national and international governmental organisations and funding bodies, including e.g. ERA-Dialog with FFG or Austrian ERC Monitoring Council
 - Representation of the University of Linz in national and international scientific bodies
 - Establishment of strategic research cooperations with national and international universities and non-university organisations (i.e. governmental institutions, partners from various industries, business partners, industrial organisations)
 - Exploitation and dissemination of results, including research marketing, research communication, spin-offs and IPR management
 - Negotiations with the Federal Ministry for Science, Research and Economy for the three year university budget (research share)
 - Negotiations with the County of Upper Austria with respect to research funding activities
- 2002 **Visiting Professor**, *Johannes Kepler University*, Linz (Austria), Department of Telecooperation
- 2002 **Visiting Professor**, *Copenhagen Business School*, Copenhagen (Denmark), Institute for Informatics
- Computer Science, Business Informatics
 - Responsibilities in research and teaching
- 2001–2002 **Visiting Professor**, *Vienna University of Economics and Business*, Vienna (Austria), Department of Information Systems
- Computer Science, Business Informatics
 - Responsibilities in research, teaching and administration
- 1991–2001 **University Assistant, Assistant Professor**, *University of Vienna*, Vienna (Austria), Institut für Angewandte Informatik und Informationssysteme, Abteilung Advanced Computer Engineering (formerly Institut für Statistik und Informatik, Abt. Angewandte Informatik)
- Computer Science, Business Informatics
 - Responsibilities in research, teaching and administration
- 1989–1993 **Part time working as software trainer**, *SPC Computer-Schulungs Ges.m.b.H.*, Vienna, Austria
- 1984–1989 **Summer internships**, *Österreichisches Statistisches Zentralamt (Betriebskartei)*, *Österreichische Länderbank, Filiale Rennweg*, Vienna, Austria

Education and Training

- 2000 **Habilitation**, *University of Vienna*, Vienna, Austria, Venia Docendi in Computer Science

- 1998 **Seminar für Führungskräfte (1 week)**, *MLP, SAP*, Heidelberg, Germany
- 1995 **PhD Graduation**, *University of Vienna*, Dr.rer.soc.oec, passed with distinction
- 1994–1995 **Universitätslehrgang zur Didaktischen Weiterbildung für Hochschullehrer**, *University of Vienna*, Austria
- 1992–1995 **Doctoral Program in Social Sciences and Economics**, *University of Vienna*, Vienna, Austria
- 1991 **Master Graduation**, *Business Informatics*, Mag.rer.soc.oec, passed with distinction
- 1986–1991 **Master Program in Business Informatics**, *University of Vienna*, Vienna, Austria
- 1986 **Matura**, *BRG II*, Vienna, Austria, passed with distinction
- 1978–1986 **Secondary School**, *Bundesgymnasium (realistischer Zweig)*, Zirkusgasse 48, 1020 Vienna, Austria
- 1974–1978 **Primary School**, *Volksschule*, Czerninplatz 3, 1020 Vienna, Austria

Language Skills

- German mother tongue
- English fluent in speaking and writing
- Latin basic in reading

Scientific Awards and Honors

- 2016 **ACM Recognition of Service Award**, *in appreciation of contributions to ACM. Chair of WomEncourage 2016*
- 2016 **IFIP EGOV-ePart 2016 Meritorious Paper Award**, *for the paper “Making Computers Understand Coalition and Opposition in Parliamentary Democracy”*
- 2015 **Emerald Highly Commended Paper Award**, *International Journal of Pervasive Computing and Communications*
<http://www.emeraldgrouppublishing.com/authors/literati/awards.htm?year=2015&journal=ijpcc>
- 2014 **ACM Distinguished Scientist**
<http://www.acm.org/press-room/news-releases/2014/distinguished-2014>
- 2013 **iiWAS Best Short Paper Award**
<http://www.iibas.org/conferences/iibas2013/bpa.php>
- 2009 **iiWAS Decennial Award**, *in recognition of her outstanding scientific, didactic and organisational contributions to the @WAS organisation and the iiWAS and MoMM conferences series*
<http://www.iibas.org/conferences/iibas2009/award.php>
- 09/2006 **Expertin des Monats**, *Bundesministerium für Verkehr, Innovation und Technologie*
<http://www.femtech.at>
- 2000 **OPNET / Mil3 Distinguished Paper Award**, *International Conference on Application and Network Performance*
- 1996 **Heinz Zemanek-Preis**, *Austrian Computer Society Award for outstanding scientific publications in computer science*
<http://www.ocg.at/hall-fame>
- 1992 **OCG-Förderpreis**, *Austrian Computer Society Award for Diploma Theses*
<http://www.ocg.at/hall-fame>

Scientific Community Services and Administration

Memberships in Professional Societies

Member of the ACM, from July 2020 to June 2022 President
 Member of the Austrian Center for Super Computing (ACSC)
 Member of the Austrian Computer Society (OCG), from 2003-2007 President
 Member of the OCG Working Group Fem-IT
 Member of the OCG Working Group Pro-IT

Memberships in Scientific Boards

2020–present National Coordinator for Austria in ASEA-UNINET
 2019–2021 COST Scientific Committee representative for Austria
 2019–2020 President of ASEA-UNINET
 2017–present Member and Chair of the Scientific Advisory Board of the Internetoffensive Oesterreich
 2017–2019 Vice-President of ASEA-UNINET
 2016–present Member of the Unirat at Alpen Adria Universität Klagenfurt
 2016–present ACM Member at large
 2016–present Representative of JKU in the ASEA-Uninet Academic Network
 2014–present Member and Chair of the Master Thesis Award of the Austrian Computer Society (OCG Foerderpreis)
 2010–present Member of the Supervisory Board of Tabakfabrik Linz, <https://tabakfabrik-linz.at/en/information/organization/>
 2012–2016 Chair of the Aktionsfeldkomitee Lebensmittel, OÖ2020
 2012–2016 Member of the RFTOOe Policy Committee
 2012–2015 Member and Chair of the Advisory Board for the Upper Austrian Research GmbH
 2009–2016 Member of the Upper Austrian Council for Research and Technology (RFTOOe)
 2009–2015 Member of the European Association of Rectors of Technical Universities
 2008–2016 Member of the ACM Europe Council
 2008–2016 Member and Chair of the Scientific Advisory Board of Research Studios Austria GmbH
 2007–2015 Member of Forum Forschung, Austrian Association of Universities, from 10/11 – 09/15 Chair
 2007–2015 Member of the FWF Delegates Assembly
 2007–2015 Member of the Advisory Board for the K-Wood Competence Center
 2007–2015 Member of the Advisory Board for the LCM GmbH
 2007–2010 Member of the Science and Research Council of Salzburg (Salzburger WFR)
 2006 Member of the FET/BTH Advisory Board on Pervasive Computing, EU-IST programme, <http://www.beyond-the-horizon.net/>
 2005–2006 Member of the Strategic Consulting Group, Austrian Ministry for Economy and Labour

Selected Reviewing Activities and Editorial Boards

Evaluator and Expert Reviewer for proposals and projects in FP7 and HORIZON 2020 including

- ICT work programme 2014-2015 ICT 22.a Multimodal and natural computer interaction
- EuroCloud: Low-power servers for cloud data-centres ICT-2009.3.6 CP- STREP
- MB-net: A Network of Excellence on Mobile Business, IST-2001-39164
- PROMODAS: Professional Mobile Data Service, IST-2001-36025
- Whyless.com: Open platform for mobile and ubiquitous e-commerce, IST-2000-25197
- e-PARKING: User-friendly e-Commerce to Optimise Parking Space, IST-2000-25392
- MOTION: Mobile Teamwork Infrastructure for Organisations Networking, IST-1999-11400

Evaluator and Jury Member in national funding programmes and scientific award committees, including

- Habilitation Award in Medicine, County of Upper Austria (2014–2015)
- Kurt Zopf Foerderpreis, University of Salzburg (20012–2016)
- Multi-Platform Content Applications, eContent Austria (2010)
- ZIT-Call Innovative Services Vienna (2009–2010)
- JKU goes Gender Award (2008–2015),
- OCG Foerderpreis (since 2015 chair)
- Electronica (2007)
- tech2B award (2007–2008)
- Edison award (2013–2015)
- Impulsprogramm Kreativwirtschaft (2006–2008)
- Wolfgang von Kempelen Preis fuer Informatikgeschichte (2006)
- Constantinus Award (2005–2006)
- Oesterreichischer Multimedia Staatspreis (2004–2009)
- ARC Research Centers Forschungsfoerderpreis (2004–2005)

Reviewer and Editorial Board Member for Scientific Journals, including

- ACM TOMACS
- Computer Communications Journal
- Computer Networks Journal
- IEEE Communications Magazine
- IEEE Transactions on Software Engineering
- Journal of Computers and Artificial Intelligence
- Journal of Systems Architecture
- Journal of Mobile Multimedia
- Performance Evaluation

Selected Participation in Programme Committees and Conference Organisation

AICCSA5, *ACS/IEEE International Conference on Computer Systems and Applications*, PC Member

CollabComp, *IEEE international conference on Collaborative Computing*, PC Member

CSEE, *Workshop on Cooperative Support for Distributed Software Engineering Processes*, PC Member

CTS, *Collaborative Technologies and Systems Symposium*, PC Member

DAPSYS, *Int. Workshop on Distributed and Parallel Systems*, Program Co-Chair (1998 & 2000 with P. Kacsuk), PC Member

delfi, *e-Learning Fachtagung Informatik*, TU Darmstadt, PC Member

DCCN, *Distributed Computing and Computer Networks*, Moscow, PC Member

didact, *Women's IT Summer Studies*, Salzburg, Austria, Member of the Scientific Advisory Board (2003-2007)

ECIS, *European Conference on Information Systems, Track on Information Infrastructures*, PC Member

EC-WEB, *International Conference on Electronic Commerce and Web Technologies*, within DEXA, PC Member

Euro-IMSA, *European Conference on. Internet and Multimedia Systems and Applications*, Innsbruck, Austria, PC Member

EURO/INFORMS, *European Conference on Operational Research, Work Flow Management Cluster*, Cluster Chair (2003)

Euro-PDS, *Second European Conference on Parallel and Distributed Systems*, PC Member

EuroPVM, *European PVM Users' Group Meeting*, PC Member

GI01, *GI/OCG-Jahrestagung 2001, Workshop on Mobile internet based services and information logistics*, Vienna, Austria, Workshop Co-Chair (with Deiters et.al., 2001)

GMW04, *Jahrestagung der Gesellschaft für Medien in der Wissenschaft*, Graz, Austria, Member of the Scientific Advisory Board (2004)

HICSS, *Hawaiian International Conference on Computer Systems*, Minitrack Co-Coordinator (Distributed Virtual Reality Environments 1997 with G. Haring, Workflow Systems 1998 with C. Strauss), Advisory Board Member (Software Technology Track 1999)

I2TS03, *International Information Technology Symposium, Florianapolis, Brazil*, PC Member

ICCC, *International Conference on Computer Communication*, PC Member

ICDCS, *International Conference Distributed Computing Systems*, PC Member

ICUFN, *International Conference on Ubiquitous and Future Networks*, Organizing Chair 2016, Steering Committee 2017

ICWN, *Mobile Ad Hoc Networks and Applications, within International Conference on Wireless Networks*, PC Member

IFIP/NPC, *IFIP International Conference on Network and Parallel Computing*, PC Member

iiWAS, *International Conference on Information Integration and Web-based Applications and Services*, General Chair (2003-2009, 2015), Honorary Chair (since 2010)

IoT2017, *The 7th International Conference on the Internet of Things, October 22-25, 2017, Linz, Austria*, Workshop Chair, Treasurer

IPDS, *International Workshop on Distributed and Parallel Systems*, Program Committee Chair (2000), PC Member

ISCV2020, *The fourth International Conference on Intelligent Systems and Computer Vision, June 09-10-11, 2020, Fez, Morocco*, TPC Member

MASCOTS, *International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems*, Workshop Co-Chair (2002 with S. Turner), Symposium Chair (2003), Program Committee Member

MC, *Mensch und Computer*, PC Member

MKWI, *Multikonferenz Wirtschaftsinformatik, Mobile and Collaborative Business Track*, PC Member

MobiLearn05, *Mobile Learning 2005*, PC Member

MOCA, *Workshop on Modelling of Objects, Components, and Agents*, PC Member

MoMM, *International Workshop on Mobile Multimedia Services and Applications*, General Chair (2003-2009), Advisory Chair (2010-2012), PC Member

MONIT92, *Workshop on Monitoring and Visualization of Parallel Systems*, Moravany, CSFR, Organizing Chair (1992)

MPPPP93, *Minisymposium on Performance Prediction of Parallel Programs, December 1993, Austria*, Organizing Chair

OCG Herbsttagung, *Gamification and Education in IT, 2016, Austria*, Organizing Chair

PADS97, *Workshop on Parallel and Distributed Simulation, Austria*, Local Arrangements Chair (1997)

PECCS, *International Conference on Pervasive and Embedded Computing and Communication Systems*, PC Member

PERVASIVE, *International Conference on Pervasive Computing*, Doctoral Colloquium Chair (2004), PC Member

SIGMAP, *International Conference on Signal Processing and Multimedia Applications*, PC Member (2015, 2016, 2017)

SIGMETRICS, *ACM SIGMETRICS, USA*, Publicity Chair Europe (1995)

Tools, *Modelling Techniques and Tools for Computer Performance Evaluation*, Austria, Organizing Chair (1994)

WETICE, *Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises*, Steering Committee Member (since 2004), General Chair (2003), PC Co-Chair (2001 with K. Bellman), Workshop Co-Chair with G. Neumann et.al. (1999-2001)

WI08, *Wirtschaftsinformatik-Tagung, Collaboration on Electronic Markets Track*, Augsburg, Germany, Track Co-Chair (with H.R. Hansen et.al., 2001)

WoMencourage, *ACM-W Europe womENcourage Celebration of Women in Computing*, Linz, Austria, PC Chair (2016)

WWW, *World Wide Web Conference, Mobility and Wireless Access Trac*, PC Member

[Service in Academic Bodies at The University of Linz](#)

Member of Habilitation Committees

Member of Recruitment Committees for Professor Positions

2015–present Member of “Strategiekommission”, Faculty of Technical and Natural Sciences

2009–present Member of “Institutskonferenz”, Institut f. Frauen und Geschlechterforschung

2007–2015 Chair in “Institutskonferenz”, Institut f. Integrierte Schaltungen

2007–2013 Member of the Study Board Business Informatics (Studienkommission Wirtschaftsinformatik)

2006–2016 Member of the Study Board Computer Science (Studienkommission Informatik)

2003–present Chair in “Institutskonferenz”, Institut f. Telekooperation

2003–2007 Deputy Member of the Academic Senate

2002–2007 Member of “Arbeitskreis für Gleichbehandlungsfragen” (Working Group for Equal Opportunity Issues)

2002–present Member of the Faculty Assembly, Faculty of Technical and Natural Sciences)

2002 Member and Deputy Chair in “Institutskonferenz”, Institut f. Technische Informatik und Telematik

[Service in Academic Bodies at Other Universities](#)

Member of Recruitment and Evaluation Committees for Professor Positions at e.g. University of Vienna, University of Salzburg, University of Klagenfurt, University of Lübeck, European University Felsnburg, Lulea University of Technology, King Saud University

Member of Habilitation Committees at e.g. University of Vienna, Technical University of Vienna, University of Salzburg, University of Klagenfurt

2009–2010 Member of the Curriculum Accreditation Committee Bachelor und Master Wirtschaftsinformatik, CAU Kiel

1999–2001 Member and Vice-Chair of the Faculty Committee “Mittelbaukurie im Fakultätskollegium”, Fakultät für Wirtschaftswissenschaften und Informatik, University of Vienna (Faculty Committee)

1994–2001 Member in “Studienkommission Wirtschaftsinformatik”, University of Vienna and Vienna University of Technology (Committee on the Business Informatics Curriculum)

1993–2001 Member and Vice Chair (2000-2001) in “Institutskonferenz”, Institut für Informatik und Wirtschaftsinformatik, University of Vienna (Department Committee)

1993–2001 Member in “Arbeitskreis für Gleichbehandlungsfragen”, University of Vienna (Working Group for Equal Opportunity Issues)

Research

Research Areas

Software Technologies for Mobile and Internet Computing

Distributed and Cooperative Systems

Wireless Networking and Sensor Networks

Mobile Multimedia, Mobile Commerce, Mobile E-Business

Computer and Network System Modelling and Simulation

Performance Evaluation and Capacity Planning

Workload Characterization for Parallel and Distributed Systems

Interconnection Topologies for Parallel Processing Systems

Funded Research Projects

2014–2015 **Vorstudie — Migration von COBOL-Systemen nach PL/I Umgebungen**,
Funding: FFG,

Partners: Productivity Group, Vienna,

Role: Academic Partner

2012–2015 **Analysis on semantically structured Data from Smart Buildings and Smart Grids**,

Funding: BMVIT FFG Comet,

Partners: FTW Forschungszentrum Telekommunikation Wien GmbH,

Role: Academic Partner

2010–2012 **HWS-PAS — Highway in the Sky, Pilot Assistance System**,
Funding: BMVIT KIRAS,

Partners: AeroSpy,

Role: Academic Partner

2009–2012 **TROPIC — Transformations on Petri Nets in Color**,
Funding: FWF [P21374],

Partners: Vienna University of Technology,

Role: Academic Partner

2009–2011 **BeAware! semantic-based methods and technologies to leverage awareness in large-scale control systems**,

Funding: BMVIT FIT-IT Semantic Systems,

Partners: team Communication Technology Management GmbH,

Role: Project Leader

2009–2011 **AMOR — Adaptable Model Versioning**,

Funding: BMVIT FIT-IT Semantic Systems [819584],

Partners: Vienna University of Technology, SparxSystems Austria,

Role: Project Leader

2007–2011 **SimRad.NBC, SimRad.COMP — IT support in training emergency units**,

Funding: BMVIT — Kiras Sicherheitsforschung,

Partners: Creative BITS Mihalits und Roth OEG, Traun, Red Cross Upper Austria,

Role: Academic Partner

2006–2008 **SenAV — Sense and Avoid**,

Funding: Fit-IT Embedded Systems,

Partners: AeroSpy,

Role: Project Co-Ordinator

- 2006–2007 **CRUISE — Creating an Ubiquitous Intelligent Sensor Environment**,
Funding: EC — Network of Excellence,
 Partners: European Consortium with over 60 partners,
 Role: Technical Director (Overall Network) and Project Leader (Univ. of Linz)
- 2006–2007 **ModelCVS**,
Funding: Fit-IT Semantic Systems,
 Partners: Vienna University of Technology, Industrial Partner,
 Role: Project Leader (Department of Telecooperation)
- 2004–2009 **AGRID — Austrian Grid, WP Mobile Grid**,
Funding: bm:bwk (Federal Ministry for Education, Science and Culture),
 Partners: Consortium of Austrian Universities,
 Role: WP Leader
- 2004–2005 **Tiscover — Performancesimulation**,
Funding: Company,
 Partners: Institut für Anwendungsorientierte Wissensverarbeitung, Tiscover,
 Role: Project Leader (Department of Telecooperation)
- 2004–2005 **Breitband-Network-Group**,
Funding: Government of Upper Austria,
 Role: Academic partner
- 2003–2004 **Development of an Interactive Training CD**,
Funding: Global Refund Austria (Industrial Partner)
- 2003–2008 **EuroNGI/EuroFGI — Performance Evaluation for Future Generation Internet**,
Funding: EC — Network of Excellence,
 Partners: European Consortium with over 60 partners,
 Role: Project Leader (Johannes Kepler University Linz)
- 2002–2006 **Medina — MEDiterranean by INternet Access**,
Funding: EUMEDIS, IST,
 Partners: European Consortium
- 2002–2004 **MobiLearn — Creating Platform Independent Content for Mobile Learning Environments**,
Funding: National Government,
 Partners: Johannes Kepler Universität Linz, University of Vienna, Technical University of Vienna, University of Klagenfurt,
 Role: Subcontractor
- 2002–2004 **Pervasive Computing / WP Mobile Multimedia**,
Funding: National Government UMF,
 Partners: Fachbereich Informatik, Johannes Kepler Universität Linz
- 2001–2003 **AMBIENCE — Context Aware Environment for Ambient Services**,
Funding: EC — ITEA / National Government,
 Role: Project Leader AT
- 2000–2001 **Mobile Internet Services**,
Funding: Enterprise Sports Promotion,
 Role: Key Researcher
- 1999–2000 **Multimedia Traffic Characterization**,
Funding: Wissenschaftlich-technische Zusammenarbeit Österreich-Frankreich,
 Partners: Raymond Marie, INRIA/IRISA Rennes, France,
 Role: Key Researcher

- 1999–2000 **Web Concept Vienna City Marathon**,
Funding: Enterprise Sports Promotion,
 Role: Key Researcher
- 1998–2000 **EMMUS — European Multi Media Usability Services**,
Funding: EC — Esprit Project 28848,
 Partners: Communication Interactiva (Spain), Compaq/Digital Eq. (Ireland), Loughborough University (UK), Pixelpark Multimedia Agentur GmbH (Germany), University of Glasgow (UK),
 Role: Project Co-Ordinator
- 1998–2000 **BISANTE — Broadband Integrated Satellite Network Traffic Evaluation**,
Funding: EC — Esprit IV,
 Partners: Thomson CSF (France), INT (France) University of Surrey (UK), Netway (Austria), SOLINET (Germany),
 Role: Technical Leader
- 1998–1999 **Co-Operate — Distributed Multiuser Work Environments**,
Funding: BMWV,
 Partners: Universität Salzburg, Universität Linz,
 Role: Key Researcher
- 1997–1999 **Network Management Through Intelligent Agents**,
Funding: Wissenschaftlich-technische Zusammenarbeit Österreich-Italien,
 Partners: Antonio Puliafito, University of Catania,
 Role: Key Researcher
- 1997–1998 **VROEIG Virtuelle Realität für die Österreichische Informationsgesellschaft**,
Funding: BMWV,
 Partners: Universität Salzburg, Universität Linz,
 Role: Key Researcher
- 1995–1996 **Parallel Simulation of Complex Workflow Models**,
Funding: ÖNB,
 Role: Key Researcher
- 1994–1995 **WLC Workload Characterization of Parallel Systems**,
Funding: Wissenschaftlich-technische Zusammenarbeit Österreich-Italien,
 Partners: Maria Calzarossa, University of Pavia,
 Role: Key Researcher
- 1993–1995 **CEI Central European Initiative. WP3 — Performance Analysis of Parallel Systems and Their Workloads**,
Funding: Bundesministerium f. Wissenschaft und Forschung (BMWF),
 Partners: University of Pavia, Polytechnico di Milano, Universität Wien,
 Role: Key Researcher
- 1993–1994 **CAPSE Computer Aided Parallel Software Engineering**,
Funding: Bundesministerium f. Wissenschaft und Forschung (BMWF),
 Partners: Jens Volkert, Universität Linz,
 Role: Key Researcher
- 1992–1994 **MONIT Monitoring Parallel Processing Systems with Distributed Memory**,
Funding: Bundesministerium f. Wissenschaft und Forschung (BMWF),
 Partners: Ladislav Hluchy, Slovak Academy of Sciences,
 Role: Key Researcher
- 1991–1996 **PAPS Performance Analysis of Parallel Systems**,
Funding: Fonds zur F"orderung Wissenschaftlicher Forschung (FWF),
 Role: Key Researcher

Selected Research Visits

- 2019 **Scholarship Interviews Ernst Mach ASEA-Uninet Grants**,
Thailand, Vietnam, Indonesia, April 29 - May 5, (Research, Evaluation)
- 2018 **Scholarship Interviews Ernst Mach ASEA-Uninet Grants**,
Thailand, Vietnam, Indonesia, April 19 - 27, (Research, Evaluation)
- 2014 **Forschungsreise Finnland**,
Finnland, June 4 - 6, (Research Strategy)
- 2014 **Universita di Brescia**,
Brescia, Italy, January 21-25, (Research)
- 2013 **ETH Zurich**,
Zurich, Switzerland, July 31 - Aug 3, (Research)
- 2013 **ARM Limited**,
Cambridge, UK, January 1-4, (Research)
- 2012 **Universitat Politecnica de Catalunya-Barcelona** ,
Barcelona, Spain, November 19-23, (Research)
- 2011 **Universita di Pavia**,
Pavia, Italy, May 3-6, (Research)
- 2010 **Norges teknisk-naturvitenskapelige universitet i Trondheim**,
Trondheim, Norway, September 23-26, (Teaching)
- 2010 **Christian-Albrechts-Universität zu Kiel**,
Kiehl, Germany, January 19-23, (Teaching)
- 2009 **Imperial College London**,
London, UK, May 20-23, (Research)
- 2008 **Politechnika Krakowska**,
Krakow, Poland, April 27 - May 1, (Research)
- 2008 **University of Salerno**,
Salerno, Italy, February 26 - March 1, (Research)
- 2007 **School of Business and Management ITB**,
Jakarta, Indonesia, September 2007, (Teaching)
- 2006 **Blekinge Institute of Technology**,
Blekinge, sweden, April 21-24, (Research)
- 2004 **Eotvos Lorand University Budapest**,
Budapest, Hungary, May 3-6, (Teaching)
- 1997 **University di Catania**,
Catania, Italy, May 15-18, (Research)
- 1997 **Indian Institute of Technology**,
Madras, India, February, (Research)
- 1994 **Universita di Pavia**,
Pavia, Italy, October 24-26 & November 28 - December 2, (Research)
- 1993 **Politecnico di Milano**,
Milano, Italy, June 20-24, (Research)

Selected International Scientific Cooperations

Fabrizio Sestini,

DG Information Society & Media, European Commission, Brussels

Ramjee Prasad, Neeli R. Prasad,

University of Aalborg, Denmark

Monique Becker,
Institut Mines-Télécom, Paris, France

Hermann de Meer,
Universität Passau, Germany

Robert Tolksdorf,
Freie Universität Berlin, Germany

Max Mühlhäuser,
Technische Universität Darmstadt, Germany

Peter Kacsuk,
Hungarian Academy of Sciences, Hungary

Guiseppe Serazzi,
Politecnico di Milano, Italy

Maria Carla Calzarossa,
Università di Pavia, Italy

Luisa Massari, Daniele Tessera,
Università Cattolica del Sacro Cuore, Brescia, Italy

Zary Segall,
Royal Institute of Technology Stockholm, Sweden

Markus Fiedler,
Blekinge Institute of Technology, Sweden

Friedemann Mattern,
ETH Zürich, Switzerland

Erol Gelenbe,
Imperial College London, UK

Hans van der Heijden,
University of Surrey, UK

Allen Malony,
University of Oregon, USA

David M. Nicol,
University of Illinois, USA

Eduardo Carrillo Zambrano,
Universidad Autónoma de Bucaramanga, Colombia

S.V. Raghavan,
IIT Madras, India

Stephan Bressan,
National University, Singapore

Mounir Mokhtari,
Institute for Infocomm Research, Singapore

Artur Lugmayr,
Curtin University, Australia

Maria Indrawan-Santiago,
Monash University, Australia

Publications

Summary

24 Refereed Journal Articles

83	Refereed Conference and Workshop Papers
24	Invited Contributions
52	Editorial Work
36	Technical Reports and Others
3	Thesis (Master, PhD, Habil)
194	Total
	H-Index 15 (Google Scholar)
	2019
c83	Andreas Schuler, Gabriele Anderst-Kotsis: Examining the energy impact of sorting algorithms on android: an empirical study, in MobiQuitous 2019, Proceedings of the 16th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services, Houston, Texas, USA, November 12-14, 2019. ACM 2019, ISBN 978-1-4503-7283-1, 404-413
c82	Bernhard Goeschlberger, Gabriele Anderst-Kotsis: A Web Service Architecture for Social Micro-Learning, in Proceedings of the 21st International Conference on Information Integration and Web-based Applications and Services (iiWAS2019), ACM, 2019, pages 532-538, ISBN 978-1-4503-7179-7
e52	Pari Delir Haghighi, Ivan Luiz Salvadori, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis: Proceedings of the 17th International Conference on Advances in Mobile Computing and Multimedia (MoMM2019), ACM, 2019, ISBN 978-1-4503-7178-0
e51	Maria Indrawan-Santiago, Eric Pardede, Ivan Luiz Salvadori, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis: Proceedings of the 21st International Conference on Information Integration and Web-based Applications and Services (iiWAS2019), ACM, 2019, ISBN 978-1-4503-7179-7
e50	Carlos Ordonez, Il-Yeol Song, Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: Big Data Analytics and Knowledge Discovery - 21st International Conference, DaWaK 2019, Linz, Austria, August 26-29, 2019, Proceedings. Lecture Notes in Computer Science 11708, Springer 2019, ISBN 978-3-030-27519-8
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- t22 G. Kotsis (Editor): Knowledge Based User Behaviour Modelling, Deliverable 1.2 for BISANTE project
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Presentations and Talks

Selected Scientific Talks

- 03.12.2018 Informatik als Schlüsseldisziplin der Zukunft, GHNR Symposium, Austrian Computer Society, Vienna, Austria, invited talk
- 28.08.2017 Omnipresent Multimedia - Pain and Gain of the Always Connected Paradigm, DEXA 2017, Lyon, France, invited talk
- 17.04.2017 Omnipresent Multimedia - enabling new ways of communication and cooperation, ISCV 2017, Fes, Morocco, invited talk
- 08.12.2014 The Human Face of Mobile, MoMM 2014, Kaoshiung, Taiwan, invited talk
- 04.12.2014 Dumb Web, Smart Web, Knowledgable Web, iiWAS 2014, Hanoi, Vietnam, invited talk

- 23.01.2014 Scenarios for Collaborative Architectures for Monetizing Broadcast Archive Clips, IATA Workshop, Brescia, Italy
- 03.12.2012 10 years of Mobile Multimedia - from Motorola RazR to iPhone 5, iiWAS/MoMM 2012, Sanur, Indonesia, invited talk
- 05.12.2011 New Challenges for Universities in the Knowledge Triangle, iiWAS/MoMM 2011, Vietnam, invited talk
- 04.05.2011 AWPS - an architecture for pro active web performance management, Universita die Pavia, Italy, invited talk
- 08.11.2010 iiWAS/MoMM 2010, Paris, France
- 16.10.2010 AWPS - an architecture for pro-active web performance management, Perform Workshop 2010, Vienna, Austria
- 17.08.2010 Omnipresent Multimedia - enabling new ways of communication and cooperation, AMR Workshop, Linz, Austria
- 14.12.2009 The Evolution of the Web: Information - Communication - Cooperation, Keynote iiWAS/MoMM 2009, Kuala Lumpur, Malaysia
- 14.05.2009 Next Generation Internet, iTechnoLog 09, AEC, Linz, Austria
- 30.06.2008 Next Generation Cooperative Environments: A QoS Perspective, ICCSA 2008, International Conference on Computational Science and its Applications, June 30 - July 3 2008, Universita di Perugia, Italy
- 07.03.2008 The Web Goes Mobile: Can We Keep the Pace?, CISIS 2008, Barcelona, Spain
- 01.08.2007 Norms for Modelling Agent Interactions in Ubiquitous Environments, Inter-Symp 2007, 19th International Conference on Systems Research, Informatics and Cybernetics, Baden-Baden, Germany
- 06.11.2006 Challenges in Sensor Network Applications, Euro-India Workshop on Next Generation Wireless Technologies, Kolkata, India, invited talk.
- 17.09.2006 Tutorial Applications in Sensor Networks, WPMC, San Diego, USA
- 10.04.2006 Mobile/Wireless Computing: A QoS Perspective, Aalborg University, Denmark
- 07.02.2006 Beyond Desktop Computing: Technology Trends and Future Applications, EATIS 2006, Euro American Conference on Telematics and Information Systems, University of Bucaramanga, Santa Martha, Colombia, Keynote Talk.
- 13.02.2006 Beyond Desktop Computing: Technology Trends and Future Applications, International Conference on Internet and Multimedia Systems and Applications, February 13-15 2006, Innsbruck, Austria, Keynote Talk.
- 22.09.2004 Performance issues in mobile commerce applications, Momm 2004, Bali, Indonesia.
- 15.09.2003 Performance of (mobile) Web Services, iiWAS & MoMM 2003, September 15-17 2003, Jakarta, Indonesia
- 08.07.2003 Embedding Mobility Support in Airline Crew Pairing, Rostering, and Operations, EUROINFORMS 2003, July 7-10 2003, Istanbul, Turkey
- 20.02.2003 Performance of Web Services, FAW Research colloquium, Hagenberg, Austria
- 14.08.2002 Performance Management in Ubiquitous Computing Environments, ICCC 2002, International Conference on Computer Communication, August 12-15 2002, Bombai, India
- 12.08.2002 IT Support for Collaboration - Pain or Gain ?, IRIS 2002, Scandinavian IS Conference, August 10-13 2002, Bautahoj, Denmark
- 02.05.2002 Performance of (mobile) Web Services, Research Seminar, Copenhagen Business School, Denmark

- 31.10.2001 Mobile and Wireless Communication, Research Presentation, Copenhagen Business School, Denmark
- 20.04.2001 Mobile and Wireless Environments - a quality of service perspective, Research Presentation, University of Linz, Austria
- 23.03.2001 Mobile Group Communication Systems, Research Presentation, University of Salzburg, Austria
- 20.10.2000 Final Presentation of BISANTE Objectives and Achievements, BISANTE Final Review Meeting, Surrey, UK
- 24.03.2000 Performance Management in Parallel and Distributed Computing Systems, Habilitation Colloquium, Vienna, Austria
- 28.09.1998 Graph Based Characterization of Distributed Applications, DAPSYS 98, Second Workshop on Distributed and Parallel Systems, September 28-30 1998, Budapest, Hungary
- 01.07.1998 REBELS - Remote Execution BasEd Load-balancing System, EURO-PDS'98, European Conference on Parallel and Distributed Systems, July 1-3 1998, Baden, Austria
- 24.06.1998 User-Behavior Oriented Generative Workload Modeling for WWW Applications, invited Talk, Graduiertenkolleg Parallele und Verteilte Systeme, Universitaet Stuttgart, Germany.
- 09.01.1998 Optimistic Distributed Execution of Business Process Models, HICSS-31, Hawaiian International Conference on System Sciences January 6-9 1998, Big Island, USA
- 19.11.1997 A Workload Characterization Methodology for WWW Applications, PMCCN97, International Conference on Performance Modeling of Complex Communication Networks, November 19-21 1997, Tsukuba, Japan
- 18.09.1997 (Generative) Workload Modeling, invited talk, Dagstuhl Seminar on Performance Evaluation, September 15-19 1997, Schloss Dagstuhl, Germany
- 10.09.1997 Generative Workload Models of Internet Traffic, ICICS97, International Conference on Information, Communication, and Signal Processing, September 9-12 1997, Singapore
- 05.06.1997 Interval Based Workload Characterization for Distributed Systems, MTT'97, 8th International Conference on Modelling Techniques and Tools for Computer Performance Evaluation, June 3-6, 1997, St. Malo, Frankreich
- 24.10.1996 Synthetic Workload Generation for Parallel Processing Systems, International Conference of the Austrian Center for Parallel Computation, University of Klagenfurt, Austria.
- 02.10.1996 A Framework for Workload Modeling for Parallel Systems, DAPSYS 96, First Austrian-Hungarian Workshop on Distributed and Parallel Systems, October 2-4 1996, Hotel Juno, Miskolc, Hungary
- 06.02.1996 Client/Server Solutions - State of the Art, exponet 96, February 6-8 1996, Austria Center Vienna, Austria
- 25.01.1996 InHouse - A User-oriented Monitoring Approach, Euromicro 96 Workshop on Parallel and Distributed Processing, January 24-26 1996, Braga, Portugal
- 05.10.1995 Petri Net Performance Models for the Intel Paragon Communication System, PNPM'95, International Conference on Petri Nets and Performance Models, October 3-6 1995, Duke University, North Carolina, USA
- 03.05.1995 A Hierarchical Approach for Workload Characterization for Parallel Systems, HPCN Europe, European Conference on High Performance Computers and Networks, May 3-5 1995, Milano, Italy
- 04.01.1995 Efficiency Evaluation of Selected Parallelization Tools, HICSS-28, Hawaiian International Conference on Computer Systems, January 3-6 1995, Maui, USA
- 26.09.1994 Workload Models for Parallel Processing Systems, Workshop on Parallel Processing, September 26-30 1994, Lessach, Austria

- 24.11.1993 Workload Characterization for Parallel Systems, Fachgespräch Lastmodellierung, Universität der Deutschen Bundeswehr München, Deutschland.
- 14.10.1993 Cayley Graphs, PDCS-93, Sixth International Conference on Parallel and Distributed Systems, October 14-16 1993, Galt House Hotel, Louisville, Kentucky, USA
- 04.05.1993 Performance Analysis in CAPSE, Austrian-Hungarian Joint Seminar on Systems Engineering, Budapest, Hungary
- 01.04.1993 Verbindungstopologien fuer Parallelrechner, Workshop Parallele Systeme und Algorithmen, Bonn, Germany
- 10.10.1992 Interconnection Topologies for Multicomputer Systems, First Austrian-Hungarian Transputer Workshop, Sopron, Hungary.
- 15.09.1992 Visualization of Performance Information and System Behaviour, MTT 92, 6th International Conference on Modeling Techniques and Tools for Computer Performance Evaluation, September 15-18 1992, Edinburgh, UK
- 28.03.1992 Visualization of Parallel Program Behaviour, Workshop of the Austrian Center for Parallel Computation, Schloss Weinberg, Austria.
- 25.02.1992 Visualization in the CAPSE Environment, Austrian-Hungarian Joint Seminar on Systems Engineering, Vienna, Austria.
- 08.11.1991 Eliminating Routing Overheads in Neural Network Simulation Using Chordal Ring Interconnection Topologies, International Conference on Neural Networks and Their Applications, Nimes, France

Selected Other Talks and Presentations

- 18.09.2018 Moderation Pro2Future in Progress, University of Linz, Austria
- 17.09.2018 Paneldiskussion Digital Valley "Bildung, IKT Konvent, Vienna, Austria
- 01.09.2018 Die Informatik entzaubern, didact opening panel, University of Salzburg, Austria
- 01.02.2018 Weltmacht Computer: beherrscht der Computer uns oder wir ihn?, YO!TECH - Lust auf Technik, Vienna, Austria
- 16.10.2015 Weltmacht Computer: beherrscht der Computer uns oder wir ihn?, Technolution Workshop, Vienna, Austria
- 22.09.2015 Panel "Lessons learned (so far), Horizon 2020 Informationsveranstaltung, FFG, Tech Gate Vienna, Austria
- 09.06.2015 Lightning Talk zum Thema IT und Karriere, OCG Jahrestagung, Vienna, Austria
- 08.06.2015 Paneldiskussion Zukunft der Informatik, OCG Jahrestagung, Vienna, Austria
- 24.02.2015 Laudationes for Research and Teaching Award, County of Upper Austria, Linz, Austria
- 01.09.2014 Benchmarking and Rankings, Workshop of JKU Rectorate and Advisory Board, Linz, Austria
- 28.03.2014 Forschung Live erleben! Press Conference for Upper Austrian Researchers Night, Linz, Austria
- 01.06.2012 Eröffnung Symposium Supercomputer Doppler, Universität Salzburg, Austria
- 07.05.2012 JKU - Studieren im Herzen Europas, Club Alpha-Frauen, Linz, Austria
- 03.11.2011 Mechatronik - Europas Antwort auf die Megatrends, Press Conference, ACCM Science Talk, Vienna, Austria
- 27.10.2011 Internet-Technologien: von der Informationssuche zur Kommunikation und Zusammenarbeit, Breitband-Forum, St. Martin, Austria
- 11.10.2011 Die Johannes Kepler Universität - Positionen und strategische Ausrichtung, Kulturgesellschaft, Linz, Austria
- 23.08.2010 The Digital World: Supplement or substitute?, Alpbacher Technologiegespräche, Forum Alpbach, Austria

- 17.03.2010 Was heißt Exzellenz? Forschung an der Johannes Kepler Universitaet, Treffpunkt Wissenschaft, Linz
- 09.03.2010 From Digital Media to Digital Worlds, Vortragsreihe zu Wissensmanagement und digitalen Medien an der Donau-Universitaet Krems, Austria
- 13.01.2010 Spitzenplatz im Ranking = Spitzenplatz in der Forschung?, EWMD-Linz Clubabend, Linz, Austria
- 20.03.2007 Web der Zukunft, Symposium Neue Technologien im Alltag, tech2b Day 2007, Linz, Austria
- 29.03.2006 Wissenschaftskulturen in einer Globalisierten Welt - braucht Europa eine Neupositionierung?, 7. Ernst Mach Forum, Diskussionsrunde, OeAW, Wien, Austria
- 2003-2006 Road Show on Promoting the European Computer Driving Licence and related OCG projects. Bregenz, Graz, Innsbruck, Linz, Salzburg, Semmering, Vienna, Austria
- 07.11.2005 Forscherinnen-Empowerment, Press Conference, Vienna, Austria
- 29.10.2004 ECDL-PD Project, Press Conference, Graz, Austria
- 07.10.2004 Informationstechnologie als Werkzeug fuer Alle, Oesterreichtag, Eisenstadt, Austria
- 06.10.2004 ECDL - eFit Austria, Press Conference, Vienna, Austria
- 07.07.2004 Wohin fahren wir in Zukunft am Datenhighway?, Upper Austrian Broadband Day, Wirtschaftskammer Linz, Austria
- 26.04.2004 Mobile Interfaces, Workshop on Everywhere Interfaces, One Smart Space, Vienna, Austria
- 27.08.2003 Women in Computer Science - A Personal Perspective, WITFOR 2003, August 27-28 2003, Vilnius, Lithuania
- 07.05.2003 Web Performance, lecture broadcasted via the upper austrian education highway, Linz, Austria
- 18.02.2003 Das Schweigen der Handys, Sky Lounge, Ars electronica Center Linz, Austria
- 03.10.2002 Press Conference on Drop Out Rates of Students in IT, Vienna, Austria
- 20.03.2002 Seminar E-Commerce, half day tutorial / lecture, Krems, Austria
- 08.11.2001 Weil ich ein Mädchen bin - Frauen in der Informatik, IT works for Women, Vienna, Austria
- 18.01.2000 Towards a Mobile Office - Technologies and Visions, Hochschule für Angewandte Kunst, Meisterklasse Textil, Vienna, Austria
- 20.03.1997 Women in Computer Science, UNISEX, Symposion FrauenForschen, Universität Wien, Austria

Teaching

Past and Current Courses at University of Linz

- Bachelor **Multimedia Systems**, *2h Lecture*, mandatory course in computer science, elective in other curricula
summer 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
- Telemedia I**, *2h Lecture*, mandatory course in Computer Science, elective in other curricula
summer 2003, 2004, 2005, 2006, 2007
- Präsentations- und Arbeitstechnik**, *2h Lecture*, mandatory course in Computer Science
summer 2018, 2019, 2020
- Selected Topics in Computer Science**, *2h Seminar, 5h Practical*
winter/summer 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
- Master **Principles of Cooperation**, *2h Lecture 1h Lab*, mandatory course in computer science, elective in other curricula
summer 2014, 2015, 2016, 2017

Cooperative Systems, 2h Lecture

summer 2008, 2009, 2011, 2012, 2013

Telemedia 2, 2h Lecture

winter 2003, 2004, 2005, 2006, 2007

Principles of Interaction, 2h Lecture 1h Lab, mandatory course in computer science, elective in other curricula

summer 2017, 2018, 2019, 2020

Unconventional User Interaction, 2h Lecture + 1h Lab, in cooperation with external lecturers

summer 2007, 2008, 2009, 2010, 2011, 2012, 2013

Web Performance, 2h Combined Course, elective in computer science and other curricula
winter 2019**Web Performance, 1/2 h Lecture + 1/2h Lab**, elective in Web Sciences

summer 2012, 2013, 2014, 2015, 2016, 2017

Capacity Planning, 1h Lecture + 1h Lab, elective in computer science and other curricula
summer 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017**Human Computer Interaction, 2h Lecture**, elective in computer science and other curricula

winter 2019

Advanced Topics in Computer Science, misc, including Mobile Computing, Knowledge Management and Digital Media, FEM-IT Ringvorlesung (in cooperation with external lecturers), LINUX on System z (in cooperation with IBM Austria), Sensor Network Application Development, Digital and Interactive TV, Mobile Learning, Mobile Multimedia Systems, Performance Measurement, Internet System Performance EuroNGI Summer School (in cooperation with external lecturers)

winter/summer 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015

Master Seminar 1, 2, 3h Seminar

winter/summer 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020

PhD **Dissertantenseminar 1, 2, 3, 4, 3h Seminar**

winter/summer 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020

[Past Courses at the Vienna University of Business and Economics](#)**Einführung in die Elektronische Datenverarbeitung, 2h Lecture**

summer 2001, winter 2001/02

E-Commerce und Neue Medien, 2h Lecture

summer 2001, winter 2001/02

IT für Führungskräfte, 2h Lecture + 2h Seminar

summer 2001, winter 2001/02

Konversatorium für Diplomand/inn/en und Dissertant/inn/en, 2h Seminar

summer 2001, winter 2001/02

Seminar aus ABWL/SBWL Wirtschaftsinformatik: M-Commerce, 2h Seminar

summer 2001, winter 2001/2002

[Past Courses at the University of Vienna](#)**Analyse und Bewertung von DV-Systemen, 1h Lab**

summer 1992 (3 × 1h), 1993 (5 × 1h), 1994 (5 × 1h), 1995 (4 × 1h), 1996 (4 × 1h), 1997 (4 × 1h)

Anwendungen der Wirtschaftsinformatik, 4h Lab

winter 1997 (Internet Business Solutions), 1998 (Workflow Modeling and Simulation), 2000 (Internet Business Solutions)

Grundzüge der Informatik II (Technische Informatik, 2h Lecture

winter 1995, 1996, 1997

Planung und Realisierung von Informatikprojekten, 1h Lab

summer 1998 ($5 \times 1h$), 1999 ($5 \times 1h$), 1999/2000 ($3 \times 1h$), 2000 ($2 \times 1h$), 2000/2001 (2h Lecture), 2000/2001 ($2 \times 1h$)

Prinzipien und Methoden der Parallelverarbeitung, 1h Lab

winter 1993, 1994, 1995, 1996

Praktikum Parallelverarbeitung, 2h Lab

summer 1993 (Distributed Simulation of Petri Nets), 1994 (Parallel Algorithms in Operations Research), 1995 (Modeling Communication in Parallel Processing Systems), 1996 (Distributed Simulation of Traffic), 1997 (Internet Computing)

Softwareentwicklung Paralleler Programme, 2h Lab

winter 1993, 1994, 1995, 1996

Wahlfach Besondere Informatik: Network Computing, 1h Lecture + 1h Lab

winter 2000

Past and Current External Teaching and Guest Lectures

Austria **Wissenschaftliches Arbeiten, 2h Lecture+Lab**, FH Kufstein

winter 2009, 2010, 2011, 2012, 2013, 2014, 2015

Fallstudien aus Wirtschaftsinformatik, 2h Lecture+Lab, FH Kufstein

winter 2006, 2007

E-Commerce, Full Day Seminar, Donau-Universität Krems

summer 2002

Multimedia Verarbeitung, 2h Lecture+Lab, FH Eisenstadt

summer 2008, 2009

Denmark **Performance Evaluation and Capacity Planning of Web Services, 4h Lecture+Lab**, Copenhagen Business School

winter 2002

Applications in Sensor Networks, Half Day Tutorial, University of Aalborg, Denmark, CRUISE Summer School on Sensor Networks

September 2006

Hungary **Performance Evaluation and Capacity Planning of Web Services, 1 week course**, Eotvos Lorand University Budapest, Hungary, CEEPUS exchange program

winter 2003/04

Indonesia **Multimedia Communication Systems, Three Day Course**, School of Business and Management ITB, Jakarta, Indonesia

September 2007

Supervision of PhD Theses

Linz **Thomas Neumayr, Hybrid Collaboration**, ongoing, University of Linz

Bernhard Göschlberger, Scalable Social MicroLearning, ongoing, University of Linz

Andreas Schuler, Search-based software engineering methodologies in mission critical mobile application development, ongoing, University of Linz

Manuela Pollak, Human-Drone Teaming, ongoing, University of Linz

Melanie Tomaschko, Exploiting the Potential of Mobile Learning in Mathematics Education, 2020, University of Linz

(second examiner)

Anna Maria Al Zubaidi-Polli, *In-situ and ex-situ technology appropriation in semi-public spaces*, 2019, University of Linz

Patrick Parzer, *Design and Implementation of Smart Textile Sensors Enhancing Everyday Objects*, 2019, University of Linz

Anita Vogl, *Smart textile materials for the eyes-free interaction with wearables in an everyday context*, 2018, University of Linz

Florian Perteneder, *No More Busywork! How to Reduce Unnecessary Workload on Large Interactive Surfaces*, 2018, University of Linz

Kathrin Probst, *Designing for Physical Activity in Computerized Office Work*, 2018, University of Linz

Christian Rendl, *Multimodal, Flexible Piezoelectric Sensing for Creating Novel Interactions and Devices*, 2018, University of Linz

Robert Ecker, *Analysis of Computer-Mediated Discourses Focusing on Automated Detection and Guessing of Structural Sender-Receiver Relations*, 2017, University of Linz

Matthias Steinbauer, *DynamoGraph: Large-scale Temporal Graph Processing and its Application Scenarios*, 2017, University of Linz

Sabine Lösch, *Direct Integration of Collaboration into Broadcast Content Formats*, 2015, University of Linz

Mariam Rady, *A Client-Centric Model For Managing Availability and Performance Conditions of Service Level Agreements in Cloud Computing*, 2015, University of Linz
Chair of the Examination Committee

Achraf Ghabi, *Elicitation and validation of requirements to code traceability*, 2015, University of Linz
second Examiner

Thomas Seifried, *Design and Implementation of a GUI Toolkit for Collaborative Wall-Sized Displays*, 2014, University of Linz

Vikash Kumar, *PATNA: Policy Adaptation Technique for Native Applications*, 2013, University of Linz

Jakob Franz Leitner, *Designing for Interactive Wall Interaction*, 2013, University of Linz

Christine D. Natschläger-Carpella, *Extending BPMN with Deontic Logic*, 2012, University of Linz
second supervisor

Elena Zanzani, *Wir wirtschaften - De viris oeconomicis et feminis oeconomicis - Plurisex-Unterricht an einem Beispiel*, 2012, University of Linz
Second Advisor

Kerstin Altmanninger, *Models in Conflict: Configurable and Semantically Enhanced Conflict Detection in Model Versioning*, 2011, University of Linz

Martin Pinzger, *Online - Simulation Based Automated Web Performance Analysis and Prediction, as Pro-active Assurance for System Performance*, 2011, University of Linz

Peter Brandl, *The Design, Implementation and Evaluation of an Interactive Meeting Room*, 2010, University of Linz

Thomas Grill, *Designing Interactions in Mixed Interaction Environments: Principles, Methods and Tools*, 2009, University of Linz

Alexandros Paramythis, *Adaptive Systems: Development, Evaluation and Evolution*, 2009, University of Linz
Second Advisor

- Norbert Baumgartner**, *BeAware! An Ontology-Driven Framework for Situation Awareness Applications*, 2008, University of Linz
- Manfred Bortenschlager**, *A Coordination Architecture for Collaboration in Pervasive Environments*, 2008, University of Linz
- Clemens Holzmann**, *Spatial Awareness of Autonomous Embedded Systems*, 2008, University of Linz
Second Advisor
- Klaus Gasselseder, Daniel Weitmann**, *Mobile Prozessunterstuetzung fuer Infrastrukturnetzwerke*, 2007, University of Linz
- Mario Pichler**, *A Novel View on Requirments Engineering for Ubiquitous Computing: The Innovation Perspective*, 2007, University of Linz
- Quan Le Trung**, *Internetworking Mobile Ad-Hoc Networks with Wireless Sensor Actor Networks and the Internet*, 2007, University of Linz
- Elisabeth Gugerbauer**, *Analysis of the Benefits of M-Learning and a Framework for Authoring Mobile Learning Content*, 2006, University of Linz
- Vienna **Joachim Zottl**, *A Three-Tier Hierarchical Information Management Architecture for Mobile Grid Environments*, 2008, University of Vienna
Second Advisor
- Georg Simhandl**, *User Innovation Toolkits fuer situationsbezogene Dienste - Konzeptionell-evaluative Geschaeftsmodellanalyse und prototypische Implementierung*, 2007, Vienna University of Economics and Business Administration
Second Advisor
- Engin Kirda**, *Engineering device independent web services*, 2002, Technical University of Vienna
Co-Supervisor
- Chadi Suleiman**, *Mobile Financial Services*, 2002, Technical University of Vienna
- Hannes Pfneiszl**, *Requirements for the Next-Generation Internet - Planning, Billing and Cost Analysis*, 2001, University of Vienna
- Helmut Hlavacs**, *Cluster Computing-High Performance Solutions of Problems with Unknown Complexity*, 2000, Technical University of Vienna
Second Advisor
- Markus Braun**, *Characterization and Analysis of Parallelism in Programs using Task Graphs*, 2000, University of Vienna
assisting advisor
- France **Romain Endelin**, *Mechanism for Optimizing the Reasoning for Activity Recognition: Application for Ambient Assisted Living for Elderly People*, 2016, Universite de Montpellier
member of the PhD Committee
- Rhiad Dhaou**, *Modeling of Networks Composed of Satellite Constellations*, 2002, Institute National des Telecommunications
member of the PhD Committee
- Michel Marot**, *Contributions á l'Etude du Trafic dans les Réseaux*, 2001, Institute National des Télécommunications
member of the PhD Committee
- Sweden **Daniel Grahnlund**, *On Mobility Solutions in Heterogeneous Networking Environments*, 2015, Lulea University of Technology, Skelleftea
Member of the Grading Committee

[Selected Supervision of Master Theses](#)

- Linz **Csilla Solyom Gecse**, *Voice based input modalities for GeoGebra for people with special needs*, ongoing, University of Linz
- Thomas Lintner**, *Encouraging Teamwork with Approaches from Gamification*, ongoing, University of Linz
- Daniel Pucher**, *Generating User Profiles Based on Social Media Interaction*, 2019, University of Linz
- Dominik Prilmüller**, *Position Tracking in Sports with Bluetooth Low Energy Beacons*, 2018, University of Linz
- Daniel Stöger**, *Alternative input methods for CAD software*, 2018, University of Linz
- Ahmed Abdelkhalek Magdi**, *Technology Radar for Retail Applications*, 2018, University of Linz
- Ariana Puscas**, *Prototypical Implementation and Evaluation of Automated Routing and Tracking Services in Street Maintenance*, 2018, University of Linz
- Melanie Tomaschko**, *Integrating mobile and sensory technology in mathematics education*, 2017, University of Linz
- Manuela Pollak**, *E-Mail Monitoring and Management with MS Social Bots*, 2017, University of Linz
- Melanie Donabauer**, *Developing an Application Infrastructure Using CORBA*, 2017, University of Linz
- Bernhard Veitschegger**, *Cross Plattform Entwicklungsmethoden für mobile Anwendungen: Überblick und praktischer Einsatz*, 2014, University of Linz
- Christoph Wiesner**, *Applying user-centered design to mobile application development*, 2014, University of Linz
- David Panhofer**, *Ästhetik des Fehlers - Die Schönheit am Fehler, dem Mangel und dem Glitch*, 2013, University of Arts and Design, Linz
second examiner
- Matthias Steinbauer**, *Sensor Based, Automated Detection of Behavioural Stereotypes in Informally Formed Workgroups*, 2012, University of Linz
- Michael Aspetsberger**, *Differential Analysis of Distributed Execution Paths*, 2011, University of Linz
- Roland Fertl, Reinhard Hochrieser**, *Multimedia streaming on mobile handsets*, 2011, University of Linz
- Gerold Hoelzl**, *A personalised body motion sensitive training system based on auditive feedback*, 2010, University of Linz
- Ionela-Diana Vele**, *Evaluation of mobile GUI frameworks for building a generic GUI library for the mobile interpreter MInt*, 2010, Internationaler Universitaetslehrgang Informatics: Engineering & Management, Hagenberg, University of Linz
- Gregor Stadlhuber**, *Enhancing the Experience of Web Through Mobile Device Abilities*, 2010, University of Linz
- Adriana Ioana Iacob**, *Problem Diagnosis in Large Scale Computing Environments - Data Analysis*, 2009, Internationaler Universitaetslehrgang Informatics: Engineering & Management, Hagenberg, University of Linz
- Gheorghe Olimpiu Pop**, *Problem Diagnosis in Large Scale Computing Environments: Approaches Towards Automated Healing*, 2009, Internationaler Universitaetslehrgang Informatics: Engineering & Management, Hagenberg, University of Linz
- Kamil Sarelo**, *Integrated Communication Management*, 2009, University of Linz
- Sabine Bachmayer**, *XML Data Binding for File Systems*, 2008, University of Linz

- Gernot Stuebl**, *Neurologic Hard- und Softwareplattform fuer kognitive Anwendungen*, 2008, University of Linz
- Elena Zanzani**, *Spieltheoretische Fragestellungen im schulischen Kontext*, 2008, University of Linz
- Daniel Schragl**, *A Framework for Sensor Data Aggregation*, 2007, University of Linz
- Daniel Braden**, *Leistungsanalyse von Videokonferenzsystemen*, 2006, University of Linz
- Angelika Brueckl, Johanna Fitzinger**, *Entwicklung eines Software Frameworks fuer Entscheidungsunterstuetzungssysteme auf mobilen Endgeraeten*, 2006, University of Linz
- Evelyn Reichel**, *Design und Implementierung einer mobilen Mehrbenutzeranwendung - Ein Pilotprojekt anlaesslich der Kulturhauptstadt 2009*, 2006, University of Linz
- Severin Forstinger**, *Potentiale und Grenzen von Mobilen Lernumgebungen aus technischer Sicht*, 2005, University of Linz
- Andreas Preinfalk**, *Moeglichkeiten der Unterstuetzung der medizinischen Diagnostik und Behandlung durch den Einsatz von Telekommunikations-Methoden am Beispiel der gastroenterologischen Endoskopie*, 2005, University of Linz
- Erich Semlak**, *Distributed Event Based Video Capturing and Streaming*, 2005, University of Linz
- Andreas Fischer**, *Analyse und Entwicklung von Mehrbenutzer m-business Applikationen*, 2004, University of Linz
- Bernd Greifeneder**, *Introspection of Distributed J2EE Applications for Load Testing and Performance Monitoring*, 2004, University of Linz
- Peter Wimmer**, *Aufnahme und Wiedergabe stereoskopischer Videos im Anwendungsbereich der Telekooperation*, 2004, University of Linz
- Vienna **Raphaela Schachermayr**, *Risikomanagement und Risikoanalyse in Projekten*, 2004, Vienna University of Economics and Business Administration
- Harald Pichler**, *Analyse eines AVATAR-Systems fuer ein Business-Kunden- Informationsportal eines Mobilkommunikationsanbieters*, 2003, Vienna University of Economics and Business Administration
- Petra Platzer**, *Advertising in the Wireless Market*, 2002, Vienna University of Economics and Business Administration
- Andreas Stelzl**, *Performance Evaluation in Distributed Systems: An Agent Based Approach*, 2002, University of Vienna
- Lukas Taferner**, *Evaluation and Comparison of Web-Based Database Access*, 2002, Vienna University of Economics and Business Administration
- Nikos Charalampopoulos**, *A Software Architecture for Mobile E-Commerce*, 2001, University of Vienna
- Christine Ebner**, *Internet user behaviour modelling*, 2000, University of Vienna
- Hannes Pfneiszl**, *Synthetic Workload Generation for Parallel Processing Systems*, 1996, University of Vienna
assisting advisor
- Florian Sukup**, *Efficiency Evaluation of Selected Parallelization Tools*, 1993, University of Vienna
assisting advisor
- Italy **Momin I. M. Tabash**, *Monitoring and Benchmarking Tool Chain for DYNAMOGRAPH Framework*, 2013, University of Pavia
second supervisor

Malaysia **Sayed Gholamhassan Tabatabaei**, *Discovery and Composition of Semantic Web Services using AI Planning and Web Service Modeling Ontology*, 2010, University of Teknologi Malaysia
External Examiner