



Gabriele Kotsis

curriculum vitae

Affiliation

University Johannes Kepler University Linz
Institute Department of Telecooperation
Position Full Professor, Head of Department
Address Altenberger Strasse 69, 4040 Linz, Austria
Phone +43 732 2468 4671
Fax +43 732 2468 4675
Email gabriele.kotsis@jku.at
WWW <http://www.tk.jku.at/people/gk>

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.iiwas.org/conferences/iiwas2013/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.iiwas.org/conferences/iiwas2009/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

Member of the Austrian Computer Society (OCG)

Member of the Austrian Scientific Society for Production (ÖWGP)

Memberships in Scientific Boards

- 2022–2024 ACM Past President
- 2020–2022 ACM President
- 2016–2020 ACM Member at large
- 2019–2025 COST Scientific Committee representative for Austria
- 2023–present Member of the Senate of the Christian Doppler Society (CDG)
- 2022–present Member of the International Advisory Board of the University of Grenoble Alpes
- 2017–present Member and Chair of the Scientific Advisory Board of the Internetoffensive Oesterreich
- 2020–present National Coordinator for Austria in ASEA-UNINET
 - 2019–2022 President of ASEA-UNINET
 - 2017–2019 Vice-President of ASEA-UNINET
 - 2016–2019 Representative of JKU in the ASEA-Uninet Academic Network
 - 2016–2023 Member of the Unirat at Alpen Adria Universität Klagenfurt
- 2016–present Member of the OCG Book Series Committee
- 2014–present Member and Chair of the Master Thesis Award of the Austrian Computer Society (OCG Foerderpreis)
- 2002–present Member of the OCG Vorstand
- 2001–present Member of the OCG Working Group Pro-IT
- 2000–present Member of the OCG Vostand
 - 2010–2021 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
 - 1991–2002 Member of the Austrian Center for Parallel Computing (ACPC)

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, Univeresity 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 Membe)

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

2021–present Präses - Feststellung der Gleichwertigkeit bei der Zulassung zum Masterstudium Computer Science

2021-2022, Member of the Study Board Computer Science (Studienkommission Informatik)
2006–2016

2019–2021 Deputy Member of the Study Board Computer Science (Studienkommission Informatik)

2015–present Member of Strategy Board (“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)

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,

Universita di Pavia, Italy

Luisa Massari, Daniele Tessera,

Universita 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 Autonoma 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

- 25 Refereed Journal Articles
- 89 Refereed Conference and Workshop Papers
- 25 Invited Contributions
- 71 Editorial Work
- 36 Technical Reports and Others
- 3 Thesis (Master, PhD, Habil)
- 194 Total**
- H-Index 15 (Google Scholar)

2022

- i25 Gabriele Kotsis, Vicky Hanson. Our ACM community, in *Communications of the ACM*, Vol. 65, Nr. 6, ACM, p 7, 2022, <https://dl.acm.org/doi/10.1145/3533677>
- j25 Gabriele Kotsis, Andreas Schuler. MANAi - An IntelliJ Plugin for Software Energy Consumption Profiling, in *Computer Science - Software Engineering*, arXivLabs, 2022, <https://arxiv.org/abs/2205.03120>
- c89 Moselmzadeh P., Kotsis G., Rizky A.: Blockchain Technology for Addressing Privacy and Security Issues in Cloud Computing, in *Academic Papers: Proceedings of the 17th International Conference on Cyber Warfare and Security (ICCWS 2022)*, Vol. 17, Nr. 1, 2022, <http://dx.doi.org/10.34190/iccws.17.1.41>
- c88 Kotsis G., Wacha T., Strauss C.: Collaborating with Newcomers – An Empirical Usability Study on Zoom: International Conference on Cooperative Design, Visualization and Engineering, CDVE 2022: Cooperative Design, Visualization, and Engineering, *Serie Lecture Notes in Computer Science*, Vol. 13492, Springer, Cham, pp 147–157, 2022
- e71 Haghighi P., Khalil I., Kotsis G.: Advances in Mobile Computing and Multimedia Intelligence – 20th International Conference, MoMM 2022, Virtual Event, November 28–30, 2022, *Proceedings, Lecture Notes in Computer Science*, Vol. 13634, Springer Cham, 2022
- e70 Wrembel R., Gamper J., Kotsis G., Tjoa A., Khalil I.: Big Data Analytics and Knowledge Discovery – 24th International Conference, DaWaK 2022, Vienna, Austria, August 22–24, 2022, *Proceedings, Lecture Notes in Computer Science*, Vol. 13428, Springer Cham, 2022

- e69 Strauss C., Cuzzocrea A., Kotsis G., Tjoa A., Khalil I.: Database and Expert Systems Applications – 33rd International Conference, DEXA 2022, Vienna, Austria, August 22–24, 2022, Proceedings, Part I, Lecture Notes in Computer Science, Vol. 13426, Springer Cham, 2022
- e68 Strauss C., Cuzzocrea A., Kotsis G., Tjoa A., Khalil I.: Database and Expert Systems Applications – 33rd International Conference, DEXA 2022, Vienna, Austria, August 22–24, 2022, Proceedings, Part II, Lecture Notes in Computer Science, Vol. 13427, Springer Cham, 2022
- e67 Kotsis G., Tjoa A., Khalil I., Moser B., Taudes A., Mashkoor A., Sametinger J., Martinez-Gil J., Sobieczky F., Fischer L., Ramler R., Khan M., Czech G.: Database and Expert Systems Applications – DEXA 2022 Workshops – 33rd International Conference, DEXA 2022, Vienna, Austria, August 22–24, 2022, Proceedings, Communications in Computer and Information Science, Vol. 1633, Springer Cham, 2022
- e66 Ko A., Francesconi E., Kotsis G., Tjoa A., Khalil I.: Electronic Government and the Information Systems Perspective – 11th International Conference, EGOVIS 2022, Vienna, Austria, August 22–24, 2022, Proceedings, Lecture Notes in Computer Science, Vol. 13429, Springer Cham, 2022
- e65 Pardede E., Haghighi P., Khalil I., Kotsis G.: Information Integration and Web Intelligence – 24th International Conference, iiWAS 2022, Virtual Event, November 28–30, 2022, Proceedings, Lecture Notes in Computer Science, Vol. 13635, Springer Cham, 2022
- [2021](#)
- c87 Andreas Schuler and Gabriele Kotsis. Mining API interactions to analyze software revisions for the evolution of energy consumption. In 18th IEEE/ACM International Conference on Mining Software Repositories, MSR 2021, Madrid, Spain, May 17–19, 2021, pages 312–316. IEEE, 2021.
- c86 Gabriele Kotsis, Alexander Paschinger, and Christine Strauss. Gamification and application features for collaborative environments. In Yuhua Luo, editor, Cooperative Design, Visualization, and Engineering - 18th International Conference, CDVE 2021, Virtual Event, October 24–27, 2021, Proceedings, volume 12983 of Lecture Notes in Computer Science, pages 1–12. Springer, 2021.
- e64 Christine Strauss, Gabriele Kotsis, A Min Tjoa, and Ismail Khalil, editors. Database and Expert Systems Applications - 32nd International Conference, DEXA 2021, Virtual Event, September 27–30, 2021, Proceedings, Part II, volume 12924 of Lecture Notes in Computer Science. Springer, 2021.
- e63 Christine Strauss, Gabriele Kotsis, A Min Tjoa, and Ismail Khalil, editors. Database and Expert Systems Applications - 32nd International Conference, DEXA 2021, Virtual Event, September 27–30, 2021, Proceedings, Part I, volume 12923 of Lecture Notes in Computer Science. Springer, 2021.
- e62 Gabriele Kotsis, A Min Tjoa, Ismail Khalil, Bernhard Moser, Atif Mashkoor, Johannes Sametinger, Anna Fensel, Jorge Martinez Gil, Lukas Fischer, Gerald Czech, Florian Sobieczky, and Sohail Khan, editors. Database and Expert Systems Applications - DEXA 2021 Workshops - BIOKDD, IWCFS, MLK-graphs, AI-CARES, ProTime, AISys 2021, Virtual Event, September 27–30, 2021, Proceedings, volume 1479 of Communications in Computer and Information Science. Springer, 2021.
- e61 Andrea Kö, Enrico Francesconi, Gabriele Kotsis, A Min Tjoa, and Ismail Khalil, editors. Electronic Government and the Information Systems Perspective - 10th International Conference, EGOVIS 2021, Virtual Event, September 27–30, 2021, Proceedings, volume 12926 of Lecture Notes in Computer Science. Springer, 2021.

- e60 Matteo Golfarelli, Robert Wrembel, Gabriele Kotsis, A Min Tjoa, and Ismail Khalil, editors. Big Data Analytics and Knowledge Discovery - 23rd International Conference, DaWaK 2021, Virtual Event, September 27-30, 2021, Proceedings, volume 12925 of Lecture Notes in Computer Science. Springer, 2021.
- e59 Simone Fischer-Hübner, Costas Lambrinoudakis, Gabriele Kotsis, A Min Tjoa, and Ismail Khalil, editors. Trust, Privacy and Security in Digital Business - 18th International Conference, TrustBus 2021, Virtual Event, September 27-30, 2021, Proceedings, volume 12927 of Lecture Notes in Computer Science. Springer, 2021.
- 2020
- c85 Philip Reiting, Andreas Mladenow, Christine Strauss, and Gabriele Kotsis. Drivers and influencing factors in mobile payment acceptance. In Angeelica Felix de Castro, Joaquim Sousa Pinto, Rogerio Patricio Chagas do Nascimento, Santiago Felici-Castell, and Jose Javier Samper Zapater, editors, EATIS 2020: 10th Euro American Conference on Telematics and Information Systems, Aveiro, Portugal, November 25-27, 2020, pages 41:1-41:5. ACM, 2020.
- c84 Andreas Schuler, Gabriele Anderst-Kotsis: Characterizing Energy Consumption of Third-Party API Libraries using API Utilization Profiles. In Proceedings of the 14th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), pp. 1-11, 2020.
- e58 Min Song, Il-Yeol Song, Gabriele Kotsis, A. Min Tjoa, Ismail Khalil: Big Data Analytics and Knowledge Discovery - 22nd International Conference, DaWaK 2020, Bratislava, Slovakia, September 14-17, 2020, Proceedings. Lecture Notes in Computer Science 12393, Springer 2020, ISBN 978-3-030-59064-2, <https://doi.org/10.1007/978-3-030-59003-1>
- e57 Sven Hartmann, Josef Küng, Gabriele Kotsis, A Min Tjoa, Ismail Khalil: Database and Expert Systems Applications - 31st International Conference, DEXA 2020, Bratislava, Slovakia, September 14-17, 2020, Proceedings, Part I. Lecture Notes in Computer Science 12391, Springer 2020, ISBN 978-3-030-59002-4, <https://doi.org/10.1007/978-3-030-59003-1>
- e56 Sven Hartmann, Josef Küng, Gabriele Kotsis, A Min Tjoa, Ismail Khalil: Database and Expert Systems Applications - 31st International Conference, DEXA 2020, Bratislava, Slovakia, September 14-17, 2020, Proceedings, Part II. Lecture Notes in Computer Science 12392, Springer 2020, ISBN 978-3-030-59050-5, <https://doi.org/10.1007/978-3-030-59051-2>
- e55 Gabriele Kotsis, A Min Tjoa, Ismail Khalil, Lukas Fischer, Bernhard Moser, Atif Mashkoor, Johannes Sametinger, Anna Fensel, Jorge Martinez Gil: Database and Expert Systems Applications - DEXA 2020 International Workshops BIODDD, IWCFS and MLKgraphs, Bratislava, Slovakia, September 14-17, 2020, Proceedings. Communications in Computer and Information Science 1285, Springer 2020, ISBN 978-3-030-59027-7, <https://doi.org/10.1007/978-3-030-59028-4>
- e54 Andrea Ko, Enrico Francesconi, Gabriele Kotsis, A Min Tjoa, Ismail Khalil: Electronic Government and the Information Systems Perspective - 9th International Conference, EGOVIS 2020, Bratislava, Slovakia, September 14-17, 2020, Proceedings. Lecture Notes in Computer Science 12394, Springer 2020, ISBN 978-3-030-58956-1, <https://doi.org/10.1007/978-3-030-58957-8>
- e53 Stefanos Gritzalis, Edgar R. Weippl, Gabriele Kotsis, A Min Tjoa, Ismail Khalil: Trust, Privacy and Security in Digital Business - 17th International Conference, TrustBus 2020, Bratislava, Slovakia, September 14-17, 2020, Proceedings. Lecture Notes in Computer Science 12395, Springer 2020, ISBN 978-3-030-58985-1, <https://doi.org/10.1007/978-3-030-58986-8>

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
- e49 Sven Hartmann, Josef Küng, Sharma Chakravarthy, Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: *Database and Expert Systems Applications - 30th International Conference, DEXA 2019, Linz, Austria, August 26-29, 2019, Proceedings, Part I. Lecture Notes in Computer Science 11706*, Springer 2019, ISBN 978-3-030-27614-0
- e48 Sven Hartmann, Josef Küng, Sharma Chakravarthy, Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: *Database and Expert Systems Applications - 30th International Conference, DEXA 2019, Linz, Austria, August 26-29, 2019, Proceedings, Part II. Lecture Notes in Computer Science 11707*, Springer 2019, ISBN 978-3-030-27617-1
- e47 Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: *Database and Expert Systems Applications - DEXA 2019 International Workshops BIODDD, IWCFS, MLKgraphs and TIR*, Linz, Austria, August 26-29, 2019, Proceedings. *Communications in Computer and Information Science 1062*, Springer 2019, ISBN 978-3-030-27683-6
- e46 Andrea Ko, Enrico Francesconi, Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: *Electronic Government and the Information Systems Perspective - 8th International Conference, EGOVIS 2019, Linz, Austria, August 26-29, 2019, Proceedings. Lecture Notes in Computer Science 11709*, Springer 2019, ISBN 978-3-030-27522-8
- e45 Vladimir Marik, Petr Kadera, George Rzevski, Alois Zoitl, Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: *Industrial Applications of Holonic and Multi-Agent Systems - 9th International Conference, HoloMAS 2019, Linz, Austria, August 26-29, 2019, Proceedings. Lecture Notes in Computer Science 11710*, Springer 2019, ISBN 978-3-030-27877-9
- e44 Stefanos Gritzalis, Edgar R. Weippl, Sokratis K. Katsikas, Gabriele Anderst-Kotsis, A Min Tjoa, Ismail Khalil: *Trust, Privacy and Security in Digital Business - 16th International Conference, TrustBus 2019, Linz, Austria, August 26-29, 2019, Proceedings. Lecture Notes in Computer Science 11711*, Springer 2019, ISBN 978-3-030-27812-00
- 2018
- c81 Gabriele Anderst-Kotsis, Juergen Ratzenboeck: *Evaluating Customer Satisfaction: Using Behavioral Analytics of Data-Intensive Software Systems. iiWAS*, ACM 2018, ISBN 978-1-4503-6479-9, pp. 129-133

- c80 Anna Maria Al Zubaidi-Polli, Gabriele Anderst-Kotsis: Conceptual Design of a hybrid Participatory IT supporting in-situ and ex-situ collaborative text authoring. iiWAS 2018: 243-252
- e43 Maria Indrawan-Santiago, Eric Pardede, Ivan Luiz Salvadori, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis (ed.): Proceedings of the 20th International Conference on Information Integration and Web-based Applications & Services, iiWAS 2018, Yogyakarta, Indonesia, November 19-21, 2018. ACM 2018. ISBN 978-1-4503-6479-9
- e42 Pari Delir Haghighi, Ivan Luiz Salvadori, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis (ed.): Proceedings of the 16th International Conference on Advances in Mobile Computing and Multimedia, MoMM 2018, Yogyakarta, Indonesia, November 19-21, 2018. ACM 2018, ISBN 978-1-4503-6452-2
- i24 Gabriele Anderst-Kotsis: Informatik als Schlüsseldisziplin der Zukunft, in: 150 Jahre GHNH - Geburtstagsfestschrift, Wilfried Seyrueck (ed.), OCG Schriftenreihe Band 333, 2018, pp. 10-11. ISBN 978-3-9030-3522-5 (invited)
- 2017
- c79 Anna Maria Al Zubaidi-Polli, Nervo Verdezoto, Nawfal Al Zubaidi R-Smith, Gabriele Anderst-Kotsis, Ex-situ Technology Appropriation of an e-Deliberation Platform in an Art Gallery , in Maria Indrawan-Santiago, Ivan Luiz Salvadori, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis: Proceedings of the 19th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2017), ACM, Seite(n) 343-352, 2017, ISBN: 978-1-4503-5299-4
- c78 Manuela Pollak, Gabriele Anderst-Kotsis, E-Mail Monitoring and Management with MS Social Bots, in Maria Indrawan-Santiago, Ivan Luiz Salvadori, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis (Eds.): Proceedings of the 19th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2017), ACM, Seite(n) 234-240, 2017, ISBN: 978-1-4503-5299-4
- e41 Hrg. Simon Mayer, Hrg. Stefan Schneegass, Hrg. Bernhard Anzengruber-Tanase, Hrg. Alois Ferscha, Hrg. Gabriele Anderst-Kotsis, Hrg. Joseph Paradiso, Proceedings of the Seventh International Conference on the Internet of Things, IOT 2017, Linz, Austria, October 22-25, 2017 , ACM, 2017, ISBN: 978-1-4503-5318-2
- e40 Hrg. Maria Indrawan-Santiago, Hrg. Ivan Liuz Salvadori, Hrg. Matthias Steinbauer, Hrg. Ismail Khalil, Hrg. Gabriele Anderst-Kotsis, Proceedings of The 19th International Conference on Information Integration and Web-based Applications & Services (iiWAS2017) , ACM, 2017, ISBN: 978-1-4503-5299-4
- e39 Hrg. Eric Pardede, Hrg. Pari Delir Haghighi, Hrg. Ivan Liuz Salvadori, Hrg. Matthias Steinbauer, Hrg. Ismail Khalil, Hrg. Gabriele Anderst-Kotsis, "roceedings of The 15th International Conference on Advances in Mobile Computing & Multimedia (MoMM2017) , ACM, 2017, ISBN: 978-1-4503-5300-7
- 2016
- j24 Matthias Steinbauer, Gabriele Anderst-Kotsis: DynamoGraph: extending the Pregel paradigm for large-scale temporal graph processing, in International Journal of Grid and Utility Computing (IJGUC), Vol. 7, Nummer 2, Inderscience, Seite(n) 141-151, 2016, ISSN: 1741-847X.
- c77 Steinbauer, Matthias, Markus Hiesmair, and Gabriele Anderst-Kotsis. Making Computers Understand Coalition and Opposition in Parliamentary Democracy. International Conference on Electronic Government and the Information Systems Perspective. Springer International Publishing, 2016.

- c76 Matthias Steinbauer, Gabriele Anderst-Kotsis: DynamoGraph: A Distributed System for Large-Scale Temporal Graph Processing, its Implementation and First Observations, in Proceedings of the 25th International Conference Companion on World Wide Web, ACM, Seite(n) 861-866, 2016, ISBN: 978-1-4503-4144-8.
- c75 Gabriele Anderst-Kotsis, Sabine Loesch, Thomas Willomitzer: Screenshot - Linking Traditional TV and the Internet, in Bessam Abdulrazak, Eric Pardede, Matthias Steinbauer, Ismail Khalil, Gabriele Anderst-Kotsis: Proceedings of the The 14th International Conference on Advances in Mobile Computing and Multimedia (MoMM2016), ACM, New York, Seite(n) 244, 2016, ISBN: 978-1-4503-4806-5.
- e38 Jang, Y. M., Toh, C. K., Segall, Z., Anderst-Kotsis, G. (2016). Message from Organizing Chairs. In 8th International Conference on Ubiquitous and Future Networks, ICUFN 2016 (Vol. 2016). IEEE Computer Society.
- e37 Hrsg. Gabriele Anderst-Kotsis, Hrsg. Ismail Khalil, Hrsg. Matthias Steinbauer, Hrsg. Maria Indrawan-Santiago: Proceedings of The 18th International Conference on Information Integration and Web-based Applications & Services (iiWAS2016), ACM, New York, 11-2016, ISBN: 978-1-4503-4807-2.
- e36 Hrsg. Ismail Khalil, Hrsg. Gabriele Anderst-Kotsis, Hrsg. Matthias Steinbauer, Hrsg. Bessam Abdulrazak, Hrsg. Eric Pardede: Proceedings of The 14th International Conference on Advances in Mobile Computing and Multimedia (MoMM2016), ACM, New York, 11-2016, ISBN: 978-1-4503-4806-5.

2015

- i23 M. Indrawan-Santiago, M. Steinbauer, G. Anderst-Kotsis: Guest Editorial. Int. J. Pervasive Computing and Communications 11(2)
- c74 Y. Baimbetov, M. Steinbauer, I. Khalil, G. Anderst-Kotsis: Using Big Data for Emotionally Intelligent Mobile Services through Multimodal Emotion Recognition, in: Inclusive Smart Cities and e-Health, 13th Int. Conf. on Smart Homes and Health Telematics, ICOST 2015, Geneva, Switzerland, June 10-12, 2015, Proceedings, Page(s) 127-138, Springer
- c73 M. Steinbauer, G. Anderst-Kotsis: Using DynamoGraph: Application Scenarios for Large-scale Temporal Graph Processing, in: Maria Indrawan-Santiago,, Matthias Steinbauer, I. Khalil, G. Anderst-Kotsis (Eds.): Proceedings of 17th Int. Conf. on Information Integration and Web-based Applications and Services (iiWAS 2015), Page(s) 584-588, ACM
- e35 L. Chen, M. Steinbauer, I. Khalil, G. Anderst-Kotsis: Proceedings of the 13th Int. Conf. on Advances in Mobile Computing and Multimedia (MoMM2015), ACM
- e34 M. Indrawan-Santiago, M. Steinbauer, I. Khalil, G. Anderst-Kotsis: Proceedings of the 17th Int. Conf. on Information Integration and Web-based Applications & Services (iiWAS2015), ACM

2014

- j23 S. Girtelschmid, M. Steinbauer, V. Kumar, A. Fensel, G. Anderst-Kotsis: On the application of Big Data in future large-scale intelligent Smart City installations, in: International Journal of Pervasive Computing and Communications, Volume 10, Number 2, Page(s) 168-182
- j22 M. Steinbauer, I. Khalil, G. Anderst-Kotsis: Challenges in the Management of Federated Heterogeneous Scientific Clouds, in: Journal of Integrated Design & Process Science, Volume 18, Number 1, Page(s) 53-67
- c72 M. Steinbauer, G. Anderst-Kotsis: Towards Cloud-based Distributed Scaleable Processing over Large-scale Temporal Graphs, in: Proceedings of the Workshops on enabling Technologies Infrastructure for Collaborative Enterprises (WETICE), Parma, 2014, IEEE
- i22 G. Anderst-Kotsis: Dumb Web, Smart Web, Knowledgable Web. Proceedings of iiWAS 2014, p. 1

- i21 G. Anderst-Kotsis: The Human face of Mobile. Proceedings of MoMM 2014, p. 1
- e33 Y. Tao., Chen L., Lee C., M. Steinbauer, I. Khalil, G. Anderst-Kotsis: Proceedings of the 12th Int. Conf. on Advances in Mobile Computing and Multimedia (MoMM2014), ACM
- e32 M. Indrawan-Santiago, M. Steinbauer, H.Q. Nguyen, A. Tjoa, I. Khalil, G. Anderst-Kotsis: Proceedings of the 16th Int. Conf. on Information Integration and Web-based Applications & Services, Hanoi, Vietnam, December 4-6, 2014. ACM 2014, ISBN 978-1-4503-3001-5
- 2013
- j21 S. Bachmayer, A. Lugmayr, G. Kotsis: Digital clip gift shops as scenarios for collaborative architectures for monetising broadcast archive content: an evaluation from a technical and business viewpoint. IJAMC 5(1): 40-57
- j20 H. Mousannif, I. Khalil, G. Kotsis: The cloud is not “there”, we are the cloud!, in: Int. J. Web and Grid Services, Volume 9, Number 1, Page(s) 1-17
- i20 G. Kotsis, I. Khalil: Guest Editorial. Special Issue on Semantic Information Management, in: Information Systems Frontiers, Volume 15, Number 2, Page(s) 151-157
- j19 H. Mousannif, I. Khalil, G. Kotsis: Collaborative Learning in the Clouds, in: Information Systems Frontiers, Volume 15, Number 2, Page(s) 159-165
- c71 M. Steinbauer, G. Kotsis: Take a Penny, Leave a Penny - Scaling out to Off-premise Unused Cloud Resources, in: Matthias Horbach (Eds.): Informatik 2013, 43. Jahrestagung der Gesellschaft fuer Informatik e.V. (GI), Informatik angepasst an Mensch, Organisation und Umwelt, Series LNI, Volume 220, Page(s) 3063-3076, GI
- c70 S. Girtelschmid, M. Steinbauer, Kumar V., Fensel A., G. Kotsis: Big Data in Large Scale Intelligent Smart City Installations, in: Proceedings of the 15th Int. Conf. on Information Integration and Web-based Applications & Services, Page(s) 428-432, ACM
- c69 M. Steinbauer, I. Khalil, G. Kotsis: Building an On-Demand Virtual Computing Market in Non-Commercial Communities, in: Proceedings of the 28th Annual ACM Symposium on Applied Computing 2013, Page(s) 351-356, ACM
- c68 M. Steinbauer, G. Kotsis: Platform for General-Purpose Distributed Data-Mining on Large Dynamic Graphs. Proceedings of 2013 Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE), pp. 178-183, IEEE Computer Society, ISBN 978-1-4799-0405-1
- e31 R. Mayrhofer., Chen L., M. Steinbauer, I. Khalil, G. Kotsis: Proceedings of the 11th Int. Conf. on Advances in Mobile Computing and Multimedia (MoMM2013), ACM, ISBN 978-1-4503-2106-8
- e30 E. Weippl., Indrawan-Santiago M., M. Steinbauer, G. Kotsis, I. Khalil: Proceedings of the 15th Int. Conf. on Information Integration and Web-based Applications & Services (iiWAS2013), ACM, ISBN 978-1-4503-2113-6
- t36 M. Steinbauer, I. Khalil, G. Kotsis: Reality Mining at the Convergence of Cloud Computing and Mobile Computing, in: ERCIM News, Series Special Theme: Mobile Computing, Number 93 (April 2013), Page(s) 10-11, 2013.
- 2012
- i19 C. Strauss, G. Kotsis, E. Pardede, Fatos Xhafa: Editorial Preface. Special issue on challenges with defining and measuring e-Services sustainability, JoSSR 4(2): 169-173
- c67 M. Steinbauer, G. Kotsis: Building an Information System for Reality Mining Based on Communication Traces, in: Proceedings of the 15th Int. Conf. on Network-Based Information Systems, Page(s) 306-310, IEEE Computer Society, ISBN 978-1-4673-2331-4
- i18 G. Kotsis: 10 years mobile multimedia: from Motorola RAZR to iPhone 5. iiWAS 2012, p. 1, ACM, ISBN 978-1-4503-1306-3

2011

- i17 G. Kotsis, D. Taniar, I. Khalil, E. Pardede: Guest Editors' Introduction. *Multimedia Tools Appl.* 53(2), pp. 345-347
- c66 S. Bachmayer, A. Lugmayr, G. Kotsis, Scenarios for Collaborative Architectures for Monetizing Broadcast Archive Clips: Proceedings of MindTrek 2011, 28 - 30 September 2011, Tampere, Finland, ACM, ISBN: 978-1-4503-0816
- c65 W. Pointner, G. Kotsis, Peter Langthaler, M. Naderhirn, Using Formal Methods to Verify Safe Deep Stall Landing of a MAV, in IEEE: Proceedings of the 30th Digital Avionics Systems Conference, 10, ISBN: 978-1-61284-796-2
- c64 W. Pointner, G. Kotsis, M. Naderhirn, Formal Methods-based System Development for General Aviation and Autonomous Aircraft, in M. Hofbaur, M. Husty: Proceedings of the Austrian Robotics Workshop, Vol. 1, No. 5, ISBN: 978-3-9503191-0-1
- c63 N. Kryvinska, C. Strauss, G. Kotsis: Converged Services Orchestration vs. Choreography Revised - A Scenario-based Approach for an Effective Enterprise Management. ICOMP 2011 : The 2011 Int. Conf. on Internet Computing, CSREA Press, ISBN: 1-60132-186-4
- i16 G. Kotsis: New Challenges for Universities in the Knowledge Triangle, in: Proceedings of the 13th Int. Conf. on Information Integration and Web-based Applications & Services (iiWAS2011), ACM
- e29 G. Kotsis, D. Taniar, I. Khalil, E. Pardede: Guest editors' introduction. *Multimedia Tools Appl.* 53(2): 345-347

2010

- j18 K. Altmanninger, W. Schwinger, G. Kotsis: Semantics for Accurate Conflict Detection in SMOVer: Specification, Detection and Presentation by Example, in *International Journal of Enterprise Information Systems (IJEIS)*, Vol. 6, Nummer 1, IGI Publishing, pp. 68-84, ISSN: 1548-1115
- j17 S. Bachmayer, A. Lugmayr, G. Kotsis: Convergence of collaborative web approaches and interactive TV program formats, in *International Journal of Web Information Systems (IJWIS)*, Vol. 6, Nummer 1, Emerald, pp. 74-94, ISSN: 1744-0084
- c62 G. Kappel, J. Schoenboeck, M. Wimmer, G. Kotsis, Angelika Kusel, Birgit Proell, W. Retschitzegger, W. Schwinger, R. R. Wagner, Stephan Lechner: TheHiddenU - A Social Nexus for Privacy-assured Personalisation Brokerage. *ICEIS* (4), pp. 158-162, ISBN 978-989-8425-07-2
- c61 G. Kotsis, M. Pinzger: AWPS - An Architecture for Pro-active Web Performance Management. IFIP WG 6.3/7.3 International Workshop, PERFORM 2010, in Honor of G. Haring on the Occasion of His Emeritus Celebration, Vienna, Austria, October 14-16, 2010, Revised Selected Papers. *Lecture Notes in Computer Science* 6821 Springer, ISBN 978-3-642-25574-8, pp. 215-226
- c60 G. Kotsis, M. Pinzger: AWPS - Simulation Based Automated Web Performance Analysis and Prediction: QUEST 2010, Seventh Int. Conf. on the Quantitative Evaluation of Systems, Williamsburg, Virginia, USA, 15-18 September 2010, IEEE Computer Society, pp. 191-192, ISBN: 978-0-7695-4188-4
- e28 G. Kotsis, D. Taniar, E. Pardede, I. Saleh, I. Khalil: iiWAS'2010 - The 12th Int. Conf. on Information Integration and Web-based Applications and Services, 8-10 November 2010, Paris, France ACM
- e27 G. Kotsis, D. Taniar, E. Pardede, I. Awan, I. Saleh, I. Khalil: MoMM'2010 - The Eighth Int. Conf. on Advances in Mobile Computing and Multimedia, 8-10 November 2010, Paris, France ACM

2009

- j16 G. Kotsis, D. Taniar, I. Khalil-Ibrahim, E. Pardede: Information Integration on Web-based Applications and Services, *Journal of Universal Computer Science - Special Issue*, Vol. 15, Nummer 10, pp. 2026-2027, 2009
- j15 G. Kotsis, D. Taniar, I. Khalil-Ibrahim, Ed. E. Pardede: *Int. Conf. on Advances in Mobile Computing and Multimedia*, *Multimedia Systems - Special Issue*, Vol. 15, Nummer 5, p. 271, Springer Berlin / Heidelberg, ISSN: 0942-4962
- c59 O. F. Baker, I. Khalil, G. Kotsis: Agents for energy efficiency in ubiquitous environments. *iiWAS'2009 - The Eleventh Int. Conf. on Information Integration and Web-based Applications and Services*, 14-16 December 2009, Kuala Lumpur, Malaysia. ACM, ISBN 978-1-60558-660-1, pp. 674-677
- c58 K. Altmanninger, G. Kotsis, Towards Accurate Conflict Detection in a VCS for Model Artifacts: A Comparison of Two Semantically Enhanced Approaches: *Proc. 6th Asia-Pacific Conference on Conceptual Modelling (APCCM 2009)*, Wellington, New Zealand, Vol. 96, pp. 139-146, ISBN: 978-1-920682-77-4
- c57 S. Bachmayer, G. Kotsis, A. Lugmayr, Collaboration meets Digital Television - Fact or Fiction?, *Proceedings of the Fifth IASTED European Conference on Internet and Multimedia Systems and Applications*, in M. Merabti, ACTA Press, pp. 72-78, ISBN: 978-0-88986-801-4
- c56 S. Bachmayer, A. Lugmayr, G. Kotsis, New Social and Collaborative Interactive TV Program Formats: *Proceedings of the 7th Int. Conf. on Advances in Mobile Computing and Multimedia (MoMM2009)*, December 14-16, 2009, Kuala Lumpur, Malaysia, Oesterreichische Computer Gesellschaft, pp. 121-128, ISBN: 978-3-85403-261-8
- i15 G. Kotsis, B. Ahmad: QoS Support in Wireless Networks, in Ashraf M.A. Ahmad and I. Khalil: *Multimedia Transcoding in Mobile and Wireless Networks*, IGI Global, Seite(n) 14-30, ISBN: 9781599049847
- e26 G. Kotsis, D. Taniar, E. Pardede, I. Khalil Ibrahim: *iiWAS'2009 - The 11th Int. Conf. on Information Integration and Web-based Applications Services*, December 14-16 2009, Kuala Lumpur, Malaysia, OCG Book Series
- e25 G. Kotsis, D. Taniar, E. Pardede, I. Khalil Ibrahim: *MoMM'2009 - The 7th Int. Conf. on Advances in Mobile Computing and Multimedia*, December 14-16 2009, Kuala Lumpur, Malaysia, OCG Book Series
- 2008
- i14 E. Pardede, D. Taniar, I. Khalil-Ibrahim, G. Kotsis: Editorial. *Journal of Mobile Multimedia*, Special Issue on Mobile Multimedia in the Pervasive Era, Vol 4, No 2, p. 83, ISSN: 1550-4646
- c55 J. Zottl, G. Haring, G. Kotsis: A three-tier information management architecture for mobile grid environments. *MoMM* 243-247
- c54 J. Dornauer, G. Kotsis, Christian Bernthaler, M. Naderhirn, A Comparison of Different Computer Vision Methods for Real Time 3D Reconstruction for the Use in Mobile Robots: *Proceedings of the 6th Int. Conf. on Advances in Mobile Computing & Multimedia (MoMM2008)*, 24-26 November 2008, Linz, Austria, OCG, pp. 136-141, ISBN: 978-3-85403-240-3
- c53 J. Schoenboeck, Florian Koenig, G. Kotsis, Dominik Gruber, Emre Zaim, Albrecht Schmidt: *MirrorBoard - An Interactive Billboard*. Mensch & Computer 2008, Luebeck, Germany. Oldenbourg Verlag pp. 217-226
- c52 I. Khalil-Ibrahim, Mohamed A. Feki, G. Kotsis, A Datalog Model for Context Reasoning in Pervasive Environments: *Proceedings of ISPA 2008*, IEEE Computer Society Press, pp. 452-459, ISBN: 978-0-7695-3471-8

- c51 Q. Le Trung, G. Kotsis: Reducing Problems in Providing Internet Connectivity for Mobile Ad Hoc Networks. 4th International Workshop of the EuroNGI/EuroFGI Network of Excellence, Barcelona, Spain, January 16-18, 2008, Revised Selected Papers. Lecture Notes in Computer Science 5122 Springer, ISBN 978-3-540-89182-6, pp. 113-127
- c50 G. Kotsis, I. Khalil-Ibrahim, The Web Goes Mobile: Can We Keep the Pace?: Proceedings CISIS 2008 (The Second Int. Conf. on Complex, Intelligent and Software Intensive Systems, 4-7 March 2008, Barcelona, Spain), IEEE Computer Society, pp. 240-246, ISBN: 0-7695-3109-1
- e24 G. Kotsis, D. Taniar, E. Pardede, I. Khalil Ibrahim: iiWAS 2008 - The Tenth Int. Conf. on Information Integration and Web-based Applications Services, 24-26 November 2008, Linz, Austria ACM 2008
- e23 G. Kotsis, D. Taniar, E. Pardede, I. Khalil Ibrahim: MoMM 2008 - The 6th Int. Conf. on Advances in Mobile Computing and Multimedia, 24 - 26 November 2008, Linz, Austria ACM 2008
- 2007
- j14 Q. Le Trung, G. Kotsis, Mapping Power/Node Density/Mobility Metrics into Link Cost of Cluster Routing Protocols in MANETs, in Journal of Post, Telecommunications and Information Technologies (PTITJ), No 6 ISSN: 0866-7039
- j13 Q. Le Trung, G. Kotsis: Arch-AdSenNets: An Architecture for Inter-Working MANETs with Wireless Sensor and Actor Networks , in International Journal of Communication Networks and Distributed Systems (IJCND), Inderscience, ISSN: 1754-3916
- c49 M. Bortenschlager, G. Kotsis, Siegfried Reich, An Architectural Approach to Apply the Supervisor/Worker Collaboration Pattern to Nomadic Workspaces: 16th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE 2007), IEEE Computer Society, pp. 170-175, ISBN: 0-7695-2879-1, ISSN: 1524-4547
- c48 Q. Le Trung, G. Kotsis: A network model for manet nodes and actors collaboration to optimize processing in event areas. PE-WASUN, pp. 87-91
- c47 Q. Le Trung, G. Kotsis, Techniques to Increase Performance of MANET Cluster Routing Protocols over 802.11 DCF: IEEE RIVF'07, Hanoi, Vietnam, Mar.05-09, pp. 65-70, 2007, ISBN: 2-912590-4-0
- c46 G. Kotsis, P. Sedlar, The Ubiquitous Grid: Proceedings of The Fifth Int. Conf. on Advances in Mobile Computing and Multimedia (MoMM2007), 3-5 December 2007, Jakarta, Indonesia, Austrian Computer Society, pp. 97-110, ISBN: 978-3-85403-230-4
- c45 N. Baumgartner, W. Retschitzegger, W. Schwinger, G. Kotsis, C. Schwietering: Of Situations and Their Neighbors: Evolution and Similarity in Ontology-Based Approaches to Situation Awareness: Proceedings of the 6th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT 2007), Roskilde, Denmark, August 2007, in Lecture Notes in Computer Science (LNCS 4635), Springer, ISBN: 978-3-540-74254-8
- c44 T. Reiter, K. Altmanninger, G. Kotsis, W. Schwinger, A. Bergmayr: Models in Conflict - Detection of Semantic Conflicts in Model-based Development, in Luis Ferreira Pires and Slimane Hammoudi (Eds.): Proceedings of the 3rd Intl. Workshop on Model-Driven Enterprise Information Systems - MDEIS 2007, in conjunction with ICEIS 2007, Funchal, Portugal, June 2007, INSTICC PRESS, pp. 29-40, ISBN: 978-989-8111-00-5
- i13 M. Bortenschlager, G. Kotsis, M. Mamel, N. Biccoci, G. Castelli, A. Rosi, F. Zambonelli: CoMA Workshop Final Report: 16th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE 2007), 18-20 June 2007, Paris, France, IEEE Computer Society, pp. 51-55, 2007, ISBN: 0-7695-2879-1, ISSN: 1524-4547

- e22 G. Kotsis, D. Taniar, E. Pardede, I. Khalil Ibrahim: MoMM 2007 - The Fifth Int. Conf. on Advances in Mobile Computing and Multimedia, 3-5 December 2007, Jakarta, Indonesia Austrian Computer Society
- e21 G. Kotsis, D. Taniar, E. Pardede, I. Khalil Ibrahim: iiWAS 2007 - The Ninth Int. Conf. on Information Integration and Web-based Applications Services, 3-5 December 2007, Jakarta, Indonesia Austrian Computer Society
- 2006
- j12 Q. Le Trung, G. Kotsis: Issues in the Usage of MANETs as Backup or Load-Balancing Transit Networks of the Internet, *Journal of Networks (JNW)*, (05-2006), ISSN 1796-2056, Vol. 01, Issue 01, pp. 29-46, Academy Publisher
- j11 K. Doerner, W.J. Gutjahr, G. Kotsis, M. Polaschek, C. Strauss: Enriched Workflow Modelling and Stochastic Branch-and-Bound. *European Journal of Operational Research*. Volume 175, Issue 3 , pp. 1798-1817
- c43 Q. Le Trung and G. Kotsis, An Implementation of BGP-GCR+ Routing Architecture for Large-Scale Mobile Ad-Hoc Networks, *IEEE Infocom06 Student Workshop*
- c42 Q. Le Trung and G. Kotsis, Mapping Power/Node Density/Mobility Metrics into Link Cost of Cluster Routing Protocols in MANETs, Accepted as Poster in *The First Intl Conf. on Communications and Electronics, ICCE06, Hanoi, Vietnam*
- c41 M. Bortenschlager, Sigi Reich, G. Kotsis. A generic coordination architecture as an enabler for mobile collaborative applications. In *WETICE*, pp. 125–130. IEEE, ISBN 0-7695-2623-3.
- e20 G. Kotsis, D. Taniar, E. Pardede, I. K. Ibrahim: *Proceedings of the 4th Int. Conf. on Advances in Mobile Multimedia (MoMM 2006)*, volume 215 OCG Schriftenreihe. ISBN 3-85403-215-5.
- e19 G. Kotsis, D. Taniar, E. Pardede, I. K. Ibrahim: *The Eighth Int. Conf. on Information Integration and Web-based Applications Services (iiWAS 2006)*, volume 214 of OCG Schriftenreihe
- 2005
- j10 I. Khalil Ibrahim, R. Kronsteiner, G. Kotsis: A semantic solution for data integration in mixed sensor networks. *Special Issue on Wireless Sensor Networks and Applications, Computer Communications Journal, Special Issue, Volume 28, Issue 13 , August 2005*, pp. 1564-1574, Elsevier, ISSN 0140-3664
- c40 R. Kronsteiner, I. Khalil Ibrahim, G. Kotsis. Agents for Mobility Engineering in m-Business . In *Proc. of the 4th International Symposium on Information and Communication Technologies, Cape Town, South Africa January 3rd-6th.*, pp. 57-62, Computer Science Press
- c39 H. Van der Heijden, G. Kotsis, R. Kronsteiner, Mobile Recommender Systems for decision making on the go, *Proc. of the Int. Conf. on Mobile Business (ICMB05)*, pp. 137-143
- c38 R. Kronsteiner, I. Khalil Ibrahim, G. Kotsis. Agents for mobility engineering in m-business. In *Proceedings of the 4th International Symposium on Information and Communication Technologies, Cape Town, South Africa January 3rd-6th.*, pp. 57-62. Computer Science Press, ISBN 0-9544145-6-X
- c37 I. Khalil Ibrahim, R. Kronsteiner, G. Kotsis. Norms enforcement as a coordination strategy in ubiquitous environments. In *Proceedings of the The Second International Symposium on Ubiquitous Intelligence and Smart Worlds (UISW2005)*, in Nagasaki, Japan, December 6-7, 2005 in conjunction with *The 2005 IFIP Int. Conf. on Embedded And Ubiquitous Computing (EUC 2005)*. LNCS, Springer Verlag
- c36 Q. Le Trung and G. Kotsis, Internetworking MANETs with the Internet, *EuroNGI Workshop on QoS and Traffic Control*

- c35 Q. Le Trung and G. Kotsis. Bgp-gcr+: An ipv6-based routing architecture for manets as transit networks of the internet. In Proceedings of the Int. Conf. on Mobile Ad-hoc and Sensor Networks (MSN05), LNCS, Springer Verlag
 - i12 G. Kotsis, Introduction, Wireless Systems and Mobility in Next Generation Internet: First International Workshop of the EURO-NGI Network of Excellence, Dagstuhl Castle, Germany, Lecture Notes in Computer Science, Volume 3427, Pages 1 - 6. ISBN 3-540-25329-7
 - e18 G. Kotsis, O. Spaniol: Wireless Systems and Mobility in Next Generation Internet: First International Workshop of the EURO-NGI Network of Excellence, Dagstuhl Castle, Germany, June 7-9, 2004. Revised Selected Papers, volume 3427 of Lecture Notes in Computer Science. Springer-Verlag, ISBN 3-540-25329-7.
 - e17 G. Kotsis, D. Taniar, S. Bressan, I. K. Ibrahim, S. Mokhtar, editors. Proceedings of the Seventh Int. Conf. on Information Integration and Web-based Applications and Services (iiWAS 2005), volume 196 of OCG Schriftenreihe. ISBN 3-85403-196-3.
 - e16 G. Kotsis, D. Taniar, I. K. Ibrahim, S. Mokhtar: Proceedings of the Third Int. Conf. on Advances in Mobile Multimedia (MoMM 2005), volume 195 OCG Schriftenreihe. ISBN 3-85403-195-5.
- 2004
- j9 G. Kotsis, T. Grill, I. Khalil Ibrahim: Agents for ambient intelligence: Support or nuisance. Journal of the Österreichische Gesellschaft für Artificial Intelligence ÖGAI, 23(1):19–26, ISSN 0254-4326
 - j8 W. Schreiner, I. Khalil Ibrahim, G. Kotsis, A. Ferscha: Mobile multimedia: A communication engineering perspective. Radiomatics. Special Issue on Mobile Multimedia, 1(1):1–11, ISSN 1693-5152
 - j7 Q. Le Trung: Performance Evaluation of Proposed WPMM-ERICA+ Algorithm for Bandwidth Allocation of ABR Service under Different Load Conditions in ATM Networks. Journal of Post and Telecommunication, pp.59-67, No.11 (03-2004), ISSN 0866-7039
 - c34 J. Van Leeuwen, H. van der Heijden, R. Kronsteiner, G. Kotsis. Group decision support for resource allocation decisions in three-person groups, in: T. Leino, T. Saarinen, S. Klein (eds), Proceedings of the 12th European Conference on Information Systems (ECIS), Turku, Finland
 - c33 R. Kronsteiner, I. Khalil Ibrahim, G. Kotsis. Substitution rules for the verification of norm-compliance in electronic institutions. In 12th IEEE International Workshops on Enabling Technologies (WETICE 2004), Infrastructure for Collaborative Enterprises, June 14-16, Modena, Italy., IEEE
 - i11 G. Kotsis. Performance management in dynamic computing environments. In M. Calzarossa and E. Gelenbe, editors, Performance Tools and Applications to Networked Systems, pp. 254–264. Springer, LNCS 2965, ISBN 3-540-21945-5
 - e15 A. Ferscha, H. Hoertner, G. Kotsis: Advances in Pervasive Computing, volume 175 of OCG Schriftenreihe, 2004 ISBN 3-85403-175-0
 - e14 P. Kacsuk and G. Kotsis: Quality of Parallel and Distributed Programs and Systems. Nova Science Publishers, Inc., New York, 2004, ISBN 1-59033-829-4
 - e13 G. Kotsis, S. Bressan, D. Taniar, I. K. Ibrahim: Proceedings of the Sixth Int. Conf. on Information Integration and Web-based Applications and Services (iiWAS 2004), volume 183 of OCG Schriftenreihe. ISBN 3-85403-183-1
 - e12 D. Taniar, G. Kotsis, I. K. Ibrahim: Proceedings of the Second Int. Conf. on Advances in Mobile Multimedia (MoMM 2004), volume 184 of OCG Schriftenreihe. ISBN 3-85403-184-X

2003

- j6 K. Doerner, G. Kotsis, C. Strauss: Rosterbuilder: An architecture for airline rostering. *Information Technology and Tourism*, 6(1):69–83, ISSN 1098-3058
- c32 I. Khalil Ibrahim, G. Kotsis, W. Schwinger. Mapping abstractions of norms in electronic institutions. In *12th IEEE International Workshops on Enabling Technologies (WETICE 2003), Infrastructure for Collaborative Enterprises*, 9-11 June 2003, Linz, Austria., pp. 30–35. IEEE, ISBN 0-7695-1963-6
- c31 K. A. Hummel, R. Kopecny, G. Kotsis. Peer profile driven group support for mobile learning teams. In Vladimir Uskov, editor, *Computers and Advanced Technology in Education, Proceedings of CATE/IASTED 2003*, Rhodes, Greece, June 30 - July 2, 2003, Series on Computer Science and Applications. ACTA Press, ISBN 0-88986-365-2
- c30 R. Kronsteiner, E. R. Weippl, I. K. Ibrahim, G. Kotsis. Can p2p deliver what web repositories promised: Global sharing of e-learning content? In G. Kotsis, S. Bressan, B. Catania, I. K. Ibrahim, editors, *Proceedings of the Fifth Int. Conf. on Information Integration and Web-based Applications and Services (iiWAS 2003)*, volume 170 of OCG Schriftenreihe, pp. 233–244, ISBN 3-85403-170-10
- c29 T. Grill, R. Kronsteiner, G. Kotsis. Sharing culture - enabling technologies for communication support. In *Proceedings of the Int. Conf. on Cyberworlds (CW 2003)*, pp. 11–17. IEEE, ISBN 0-7695-1922-9
- i10 G. Kotsis. Web performance. In G. Kappel, B. Proell, S. Reich, W. Retschitzegger, editors, *Web Engineering*, chapter 12, pp. 297–318. dpunkt Verlag, ISBN 3-89864-234-8
- i9 G. Kotsis: Performance evaluation of mobile web services. *Proceedings of the Fifth Int. Conf. on Information Integration and Web-based Applications and Services (iiWAS 2003)*, volume 170 of OCG Schriftenreihe, page 1. ISBN 3-85403-170-10
- e11 W. vd Aalst, J.-M. Colom, F. Kordon, G. Kotsis, D. Moldt. Petri Net Approaches for Modelling and Validation, volume 01 of *LINCOM Studies in Computer Sciences*. Lincoln Europa, ISBN 3 89586 597 4
- e10 G. Kotsis: Performance Evaluation - Stories and Perspectives. Symposium, December 5-6, 2003, Vienna, Austria, volume 176 of OCG Schriftenreihe. ISBN 3-85403-176-9
- e9 G. Kotsis, S. Bressan, B. Catania, I. K. Ibrahim, editors. *Proceedings of the Fifth Int. Conf. on Information Integration and Web-based Applications and Services (iiWAS 2003)*, volume 170 of OCG Schriftenreihe. ISBN 3-85403-170-10
- e8 G. Kotsis, A. Ferscha, W. Schreiner, I.K. Ibrahim: *Proceedings of the Int. Conf. on Advances in Mobile Multimedia (MoMM 2003)*, volume 171 of OCG Schriftenreihe. ISBN 3-85403-171-8
- t35 J. van Leeuwen, H. van der Heijden, R. Kronsteiner, G. Kotsis: Group decision support for resource allocation decisions in three-person groups. *Research memorandum 2003-25*, vrije Universiteit amsterdam
- t34 K. Doerner, W.J. Gutjahr, G. Kotsis, M. Polaschek, C. Strauss. Enriched workflow modelling by stochastic branch and bound. *Technical Report 2003-12*, Department of Statistics and Decision Support Systems, University of Vienna
- 2002
- c28 G. Kotsis, L. Taferner: Performance Comparison of Web-based Database Access, In *Proceedings of the International Symposium on Distributed Computing and Applications to Business, Engineering, Science (DCABES 2002)*, pp. 360–364, Wuhan University of Technology Press, ISBN 7-5629-1881-3
- c27 G. Kotsis. Performance management in ubiquitous computing environments. In S. V. Raghavan and S. P. Mudur, editors, *Proceedings of the 15th Int. Conf. on Computer Communication (ICCC 2002)*, pp. 988–997. ICC Press, ISBN 1-891365-08-8

- i8 G. Cabri, G. Kotsis: Web Infrastructures and Coordination Architectures for Collaborative Applications, within Proceedings of the Workshop on Enabling Technologies and Infrastructures for Collaborative Enterprises, WET-ICE 2002, pp. 161–163. IEEE
- t33 H. Hlavacs, E. Hotop, G. Kotsis: Evaluating User Satisfaction by Simulation, TR-02101, Institute of Applied Computer Science and Information Systems, University of Vienna
- t32 K. Doerner, G. Kotsis, C. Strauss: RosterBuilder - An Architecture for an Integrated Airline Rostering Framework , 2002-15, Working Paper Series of the Department of Informatics, Copenhagen Business School
- 2001
- c26 C. Kurz, H. Hlavacs, G. Kotsis: Workload Generation by modelling User Behaviour in an ISP subnet, In Proceedings of the International Symposium on Telecommunications (IST2001), pp. 365–368, ITRC
- i7 M. Bichler, H. R. Hansen, G. Kotsis, G. Neumann: Introduction to the Track on Collaboration on Electronic Markets, within Information Age Economy, Buhl, Huther, Reitwieser (Eds.), pp. 573–574, Physica Verlag
- i6 G. Kotsis, W. Deiters, A. Ferscha: Introduction to the Workshop on Pervasive Computing and Information Logistics, within Proceedings of the GI/OCG-Jahrestagung 2001, K. Bauknecht, W. Brauer, T. Mück (Eds.), pp. 161–163. OCG
- e7 G. Haring, G. Kotsis, S.V. Raghavan: Workload Characterization in High Performance Computing Environments, OCG Schriftenreihe, Band 114
- t31 G. Kotsis (Editor): EMMUS Final Progress Report, European Multi Media Usability Services (EMMUS), Esprit Project:28848
- 2000
- j5 M. Braun, G. Kotsis: Graph Based Characterization of Distributed Applications, pp. 597–607, Future Generation Computing Systems, Number 16, North Holland
- j4 P. Kacsuk, G. Kotsis: Editorial, Distributed and parallel systems. Future Generation Comp. Syst. 16(6) (2000)
- c25 H. Hlavacs, E. Hotop, G. Kotsis: Workload Generation in OPNET by User Behaviour Modelling, OPNETWORK 2000, Awarded with the Distinguished Paper Award
- e6 G. Kotsis, P. Kacsuk: Distributed and Parallel Systems: From Instruction Parallelism to Cluster Computing, DAPSYS 2000, Kluwer International Series in Engineering and Computer Science, Vol 567, Kluwer Academic Publishers, ISBN 0-7923-7892-X
- t30 G. Kotsis, H. Hlavacs: Users Profile and Workload Generator, Deliverable 3.2 for BISANTE project
- t29 A. Ferscha, G. Kotsis, H. Gruber: Mobile Internet Solutions, Final Project Report
- t28 A. Ferscha, G. Kotsis: Performance Evaluation of an SMS Gateway, University of Vienna, Internal Report
- t27 G. Kotsis, H. Pfneiszl (Eds.): Final Simulation Results, Deliverable 4.3 for BISANTE project
- t26 G. Kotsis: Project Promotions, Deliverable 5.5 for BISANTE project
- t25 G. Kotsis (Editor): BISANTE — Multi Media CD-ROM on Project Results from the EC funded project BISANTE (Broadband Integrated Satellite Network Traffic Evaluation)
- 1999
- c24 H. Hlavacs, G. Kotsis: Modeling User Behaviour - A Layered Approach, Proceedings of the MASCOTS'99, 7th International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems, pp. 218—225, IEEE CS Press

- i5 G. Kotsis, G. Neumann: Web Infrastructures and Coordination Architectures for Collaborative Applications – Shared Artifacts, a Shared Language, or Shared Spaces?, within Proceedings of the Workshop on Enabling Technologies and Infrastructures for Collaborative Enterprises, WET-ICE 1999, pp. 69–71. IEEE, ISBN 0-7695-0365-9
- t24 A. Ferscha, G. Kotsis, C. Scheiner: Web-Konzept Vienna City Marathon, Final Project Report
- t23 A. Ferscha, G. Kotsis (Editorial Board): COOPERATE. Multi Media CD-ROM on Multimedia Multiuser Distributed Cooperative Work
- t22 G. Kotsis (Editor): Knowledge Based User Behaviour Modelling, Deliverable 1.2 for BISANTE project
- t21 G. Kotsis (Editor): Application and User Behaviour Characterisation, Deliverable 1.1/V2 for BISANTE project
- t20 G. Kotsis (Editor): Generation of User Profiles, Deliverable 1.3 for BISANTE project
- t19 H. Hlavacs, G. Kotsis, C. Steinkellner: Traffic Source Modeling. TR-99101, Institute of Applied Computer Science, University of Vienna
- Habil Performance Management in Parallel and Distributed Computing Systems, Habilitation Thesis (Venia Docendi for Informatics), December 1999, University of Vienna
1998
- c23 A. Ferscha, J. Johnson, G. Kotsis, C. Anglano, Pro-active Performance Management of Distributed Applications, Proceedings of the Sixth International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems, MASCOTS'98, A. Boukerche, S. Das, P. Wilsey, C. Williamson (Eds.), pp. 146–152, IEEE Computer Society Press
- c22 G. Haring, G. Kotsis, A. Puliafito, O. Tomarchio: A Transparent Architecture for Agent Based Resource Management, Proceedings of Int. Conf. on Telecommunications (ICT'98) pp. 338–342, IEE / IEEE
- c21 A. Puliafito, O. Tomarchio, G. Haring, G. Kotsis: REBELS: Remote Execution Based Load-balancing System, Proceedings of the Second IASTED Int. Conf. European Parallel and Distributed Systems (Euro-PDS'98), O. Bukhres and H. El-Rewini, Eds., pp. 23-28, IASTED / ACTA Press
- c20 B. Bullnheimer, G. Kotsis, C. Strauss: Parallelization Strategies for the Ant System, High Performance Algorithms and Software in Nonlinear Optimization, Kluwer International Series in Applied Optimization, Volume 24, De Leone et.al. Eds.
- c19 M. Braun, G. Kotsis: Graph Based Characterization of Distributed Applications, Proceedings of DAPSYS98 - Workshop on Distributed and Parallel Systems, University of Vienna, Report Series, TR 98102
- i4 G. Kotsis, C. Strauss: Introduction to the Minitrack on Workflow Systems, within Proceedings of HICSS-31, page 712, IEEE 1998, ISBN 0-8186-8255-8.
- e5 G. Kotsis, P. Kacsuk: Proceedings of the Workshop on Distributed and Parallel Systems, DAPSYS 98, University of Vienna
- t18 M. Braun, G. Kotsis: Using TSPGs for Modeling Distributed Applications. TR-98101, Institute of Applied Computer Science, University of Vienna
- t17 A. Ferscha, J. Johnson, G. Kotsis (Editorial Board): Österreichs Wege in die Informationsgesellschaft. Multi Media CD-ROM on Technologies and Potentials in the Information Society
1997

- j3 J. Luethi, G. Kotsis, S. Majumdar, G. Haring: Performance Bounds for Distributed Systems with Workload Variabilities and Uncertainties, *Parallel Computing*, Number 22, pp. 1789-1806, Elsevier/North Holland
 - j2 G. Haring, P. Kacsuk, G. Kotsis: Editorial, *Distributed and Parallel Systems: Environments and Tools*. *Parallel Computing* 22(13), pp. 1699-1701 (1997)
 - j1 G. Kotsis: A Systematic Approach for Workload Modeling for Parallel Processing Systems, *Parallel Computing*, Number 22, pp. 1771-1787, Elsevier/North Holland
 - c18 M. Braun, G. Kotsis: Interval Based Workload Characterization for Distributed Systems, *Computer Performance Evaluation, Modelling Techniques and Tools, Proceedings*, R. Marie, B. Plateau, M. Calzarossa, G. Rubino (Eds.), *Lecture Notes in Computer Science* 1245, pp. 181-192, Springer Verlag
 - c17 B. Bullnheimer, G. Kotsis, C. Strauss: Parallelization Strategies for the Ant System, *Extended Abstract, Short Conference on HIGH PERFORMANCE SOFTWARE FOR NONLINEAR OPTIMIZATION*, Italy
 - c16 G. Kotsis, K. Krithivasan, S. Raghavan: Generative Workload Models of Internet Traffic, *Proceedings of the ICICS Conference*, Volume 1, pp. 152-156, Singapore, IEEE
 - c15 G. Kotsis, K. Krithivasan, S. Raghavan: A Workload Characterization Methodology for WWW Applications Performance and Management of Complex Communication Networks, Ed. Hasegawa et.al., pp. 173-153, Chapman and Hall
 - i3 G. Kotsis, G. Haring: Introduction to the Minitrack on Distributed Virtual Reality Environments, within *Proceedings of HICSS-30*, page 635. IEEE, ISBN: 0-8186-7865-8.
 - e4 G. Haring, P. Kacsuk, G. Kotsis: *Parallel Computing*, Number 22, Elsevier/North Holland
 - t16 B. Bullnheimer, G. Kotsis, C. Strauss: Parallelization Strategies for the ANT System, *SFB Adaptive Information Systems and Modeling in Economics and Management Science*, Report No. 8, Vienna University of Economics and Business Administration
 - t15 G. Haring, G. Kotsis, A. Puliafito, O. Tomarchio: A Virtual Environment for Processes Execution in Distributed Systems, TR-97101, Institute of Applied Computer Science, University of Vienna
- 1996
- c14 G. Haring, G. Kotsis, S. Musil: INHOUSE - A User Oriented Monitoring Approach, *Proceedings of the 4th Europmicro Workshop on Parallel and Distributed Computing*, Braga, Portugal, January 1996, pp. 478-485, IEEE Computer Society Press
 - c13 M. Braun, G. Haring, G. Kotsis: Deriving Parallelism Profiles from Structural Parallelism Graphs, *Proceedings of the TDP'96*, pp. 455-468
 - c12 H. Pfneiszl, G. Kotsis: Synthetic Workload Generation for Parallel Processing Systems, *Proceedings of the ACPC'96*, *Lecture Notes in Computer Science* 1127, Editor L. Böszörményi, pp. 136-147
 - c11 J. Luethi, G. Kotsis, S. Majumdar, G. Haring: Bounds-Based Performance Analysis for Distributed Systems with Variabilities and Uncertainties in Workload, *DAPSYS 96*, KFKI-1996-09/M,N, pp. 51-58, Hungarian Academy of Sciences
 - c10 G. Kotsis: A Framework for Workload Modeling for Parallel Systems, *DAPSYS 96*, KFKI-1996-09/M,N, pp. 43-50, Hungarian Academy of Sciences
 - i2 G. Kotsis, F. Sukup: Evaluation of Programming Tools on a Workstation Cluster, *Tools and Environments for Parallel and Distributed Systems (Kluwer International Series in Software Engineering)*, Eds. A. Zaky and T. Lewis, Kluwer Academic Press
 - t14 G. Kotsis: Scalability Analysis for Parallel and Distributed Systems, University of Vienna, Internal Report

- t13 H. Pfneiszl, G. Kotsis: Benchmarking Parallel Processing Systems - A Survey, TR-96103, Institute of Applied Computer Science, University of Vienna
- t12 J. Luethi, G. Kotsis, S. Majumdar, G. Haring: Performance Analysis Using Queueing Network Models with Variabilities and Uncertainties in Workload, TR-96102, Institute of Applied Computer Science, University of Vienna
- t11 A. Ferscha, J. Johnson, G. Kotsis, M. Richter: Parallel Simulation of Complex Workflow Models, University of Vienna, Jubiläumsfondsprojekt Nr. 5069, Final Report
1995
- c9 G. Kotsis, F. Sukup: Efficiency Evaluation of Selected Parallelization Tools, Proceedings of the 28-HICSS Conference, IEEE Computer Society Press
- c8 M. Calzarossa, G. Haring, G. Kotsis, A. Merlo, D. Tessera: A Hierarchical Approach to Workload Characterization for Parallel Systems, Proceedings of HPCN Europe, Milano, High Performance Computing and Networking, LNCS vol. 919, Eds. B. Hertzberger and G. Serazzi, pp. 102–109
- i1 G. Haring, G. Kotsis: Workload Modeling for Parallel Processing Systems, Invited Paper at MASCOTS 95, Durham USA, Proceedings of the 3rd Int. Workshop on Modeling, Analysis and Simulation of Computer and Telecommunication Systems, Eds. P. Dowd and E. Gelenbe, pp. 8–12, IEEE Computer Society Press, ISBN 0-8186-6902-0
- t10 C. Holzer, H. Pfneiszl, G. Kotsis: Parallel Implementation and Analysis of a NAS Kernel Using N-MAP, Internal Report, University of Vienna
- PhD Workload Modeling for Parallel Processing Systems, PhD Thesis, May 1995, University of Vienna (Awarded with the Heinz-Zemanek Preis)
1994
- c7 G. Kotsis: Workload Models for Parallel Computer Systems, Proceedings of the Workshop on Parallel Processing in Lessach, Austria, Report Series TU Clausthal, pp. 50–57
- e3 G. Haring, G. Kotsis: Computer Performance Evaluation. Modelling Techniques and Tools. Lecture Notes in Computer Science 794, Springer Verlag, Heidelberg, ISBN 3-540-58021-2
- e2 R. Marie, G. Haring, G. Kotsis: Performance and Reliability Evaluation Tutorial Papers of the 7th Int. Conf. on Modelling Techniques and Tools for Computer Performance Evaluation, OCG Schriftenreihe, Volume 73, Oldenbourg Verlag, ISBN 3-85403-073-8
- t9 A. Ferscha, J. Johnson, G. Kotsis: Systematic Approach for Workload Characterization of Parallel Programs, Deliverable for CEI-WP3 project D3H-1, University of Vienna
- t8 G. Haring, S. Musil, G. Kotsis: Monitoring Parallel Processing Systems with Distributed Memory, Final Report, Forschungsauftrag des BMWF GZ 613.542/1-26/92, University of Vienna
- t7 A. Ferscha, G. Haring, A. Hofmann, G. Kotsis, T. Nemeč: Methods for the Representation and Analysis of Work Flows, Abschlußbericht zum Methodenseminar, University of Vienna
1993
- c6 H. Wabnig, G. Kotsis, G. Haring: Performance Prediction of Parallel Programs, in MMB 1993, B. Walke and O. Spaniol (Eds.): Messung, Modellierung und Bewertung von Rechen- und Kommunikationssystemen, Springer Verlag, pp. 64–76
- c5 A. Ferscha, G. Kotsis, Performance Oriented Parallel Program Development in the CAPSE Environment, Proceedings of the Austrian Hungarian Joint Seminar on Software Engineering, pp. 1–4
- c4 G. Kotsis: Interconnection Topologies for Parallel Processing Systems, PARS Mitteilungen, Nr. 11, pp. 1–6

- e1 G. Haring, G. Kotsis: Performance Measurement and Visualization of Parallel Systems, Advances in Parallel Computing, Volume 7, G. R. Joubert, Udo Schendel (Series Eds), North Holland, ISBN 0-444-89902-2.
- t6 G. Kotsis: Workload Models for Parallel Systems, Fachgespräch Lastmodellierung, UNI der Deutschen Bundeswehr München
1992
- c3 A. Ferscha, G. Kotsis: Optimum Topologies for the compute-aggregate-broadcast Operation on a Transputer Network, Proc. of the Transputer'92 Conference, pp. 307–326
- c2 G. Kotsis, Interconnection Topologies and Routing for Parallel Processing Systems, KFKI Report Series, KFKI-1992-34/M,N, pp. 95–106
- t5 G. Kotsis: Interconnection Topologies and Routing for Parallel Processing Systems, ACPC Technical Report, ACPC/TR 92-19
- t4 G. Kotsis: Visualization of Performance Information and System Behaviour, Tutorial Notes, University of Vienna
- t3 H. Blaschek, G. Drsticka, G. Kotsis: Visualization of Parallel Program Behaviour, Abschlußbericht zum Literaturseminar, University of Vienna
- t2 G. Kotsis: Performance Modeling Tools for Parallel and Distributed Systems, Internal Report, University of Vienna
1991
- c1 A. Ferscha, G. Kotsis: Eliminating Routing Overheads in Neural Network Simulation Using Chordal Ring Interconnection Topologies, Proc. of the Neuro-Nimes 91, 4th Int. Conf. on Neural Networks and their Applications, pp. 625–638
- t1 A. Ferscha, G. Kotsis: Eliminating Routing Overheads in Neural Network Simulation Using Chordal Ring Interconnection Topologies, ACPC Technical Report, ACPC/TR 91-8
- Master Interconnection Topologies and Routing for Parallel Processing Systems, Master Thesis, May 1991, University of Vienna (Awarded with the OCG-Foerderpreis)

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, Knowledgeable 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, Università 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, ICCS 2002, International Conference on Computer Communication, August 12-15 2002, Bombay, India
- 12.08.2002 IT Support for Collaboration - Pain or Gain ?, IRIS 2002, Scandinavian IS Conference, August 10-13 2002, Bautahøj, 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, Fachgesprach Lastmodellierung, Universitaet der Deutschen Bundeswehr Muenchen, 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 Universitaet - Positionen und strategische Ausrichtung, Kulturgeellschaft, Linz, Austria
- 23.08.2010 The Digital World: Supplement or substitute?, Alpbacher Technologiegespraeche, 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, Symposium 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)

Grundzuege der Informatik II (Technische Informatik), *2h Lecture*
winter 1995, 1996, 1997

Planung und Realisierung von Informatikprojekten, *1h Lab*
summer 1998 (5 × 1h), 1999 (5 × 1h), 1999/2000 (3 × 1h), 2000 (2 × 1h), 2000/2001 (2h Lecture), 2000/2001 (2 × 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 Terms 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2019, 2020, 2021

Guest Lecture: From Digital Media to Digital Worlds, *Ringvorlesung*, Donau-Universität Krems

March 2, 2010

Multimedia Verarbeitung, 2h Lecture+Lab, FH Eisenstadt

Summer Terms 2008, 2009

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

winter 2006, 2007

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

summer 2002

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

Clemens Schartmüller, *Towards a Mobile Office: User Interfaces for Safety and Productivity in Conditionally Automated Vehicles*, 2022, University of Linz

(third examiner, first supervisor: Andreas Riener)

Servadei Lorenzo, *Cost Estimation and Optimization of Hardware / Software Co-Designs Using Machine Learning*, 2021, University of Linz

(third examiner, first supervisor: Robert Wille)

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

(second examiner, first supervisor: MARKUS Hohenwarter)

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 Infrastruktur-netzwerke*, 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 Grahlund**, *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 Mobilern 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 **Raphaella Schachermayr**, *Risikomanagement und Risikoanalyse in Projekten*, 2004, Vienna University of Economics and Business Administration
- Harald Pichler**, *Analyse eines AVATAR-Systems fuer ein Business-Kunden-Informationportal 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 Tabatabei**, *Discovery and Composition of Semantic Web Services using AI Planning and Web Service Modeling Ontology*, 2010, University of Teknologi Malaysia
External Examiner