



Gabriele Anderst-Kotsis

curriculum vitae

Affiliation

University Johannes Kepler University Linz
Institute Department of Telecooperation
Position Full Professor, Head of Institute
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Personal Data

Full Name Univ.-Prof. Mag. Dr. Gabriele Anderst-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

12/2002 **Full Professor**, *Johannes Kepler University Linz*, Austria, Department of Telecooperation
–present (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

- 10/2007 **Vice Rector for Research**, *Johannes Kepler University Linz*, Austria
- 09/2015 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
- 10/2002 **Visiting Professor**, *Johannes Kepler University*, Linz (Austria), Department of Telecoop-
–11/2002 eration
- 04/2002 **Visiting Professor**, *Copenhagen Business School*, Copenhagen (Denmark), Institute for
–09/2002 Informatics
- Computer Science, Business Informatics
 - Responsibilities in research and teaching
- 03/2001 **Visiting Professor**, *Vienna University of Economics and Business*, Vienna (Austria),
–03/2002 Department of Information Systems
- Computer Science, Business Informatics
 - Responsibilities in research, teaching and administration
- 08/1991 **University Assistant, Assistant Professor**, *University of Vienna*, Vienna (Austria),
–02/2001 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)*, *Öster-
reichische Länderbank, Filiale Rennweg*, Vienna, Austria

Education and Training

- March 2000 **Habilitation**, *University of Vienna*, Vienna, Austria, Venia Docendi in Computer Science
- July 1998 **MLP Seminar für Führungskräfte**, *SAP*, Heidelberg, Germany
- July 1995 **PhD Graduation**, *University of Vienna*, Dr.rer.soc.oec, passed with distinction
- Winter Term **Universitätslehrgang zur Didaktischen Weiterbildung für Hochschullehrer**, *Uni-
1994/95 versity of Vienna*, Austria
- 1992–1995 **Doctoral Program in Social Sciences and Economics**, *University of Vienna*, Vienna,
Austria
- July 1991 **Master Graduation**, *Business Informatics*, Mag.rer.soc.oec, passed with distinction
- 1986–1991 **Master Program in Business Informatics**, *University of Vienna*, Vienna, Austria
- May 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

- 2015 **Emerald Highly Commended Paper Award**, *International Journal of Pervasive Computing and Communications*
- 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>
- 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*
- 1992 **OCG-Förderpreis**, *Austrian Computer Society Award for Diploma Theses*

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
- 12/2012–
12/2015 **Analysis on semantically structured Data from Smart Buildings and Smart Grids**,
Funding: BMVIT FFG Comet,
Partners: FTW Forschungszentrum Telekommunikation Wien GmbH,
Role: Academic Partner
- 03/2010–
09/2012 **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
- 05/06–03/08 **SenAV — Sense and Avoid**,
Funding: Fit-IT Embedded Systems,
Partners: AeroSpy,
Role: Project Co-Ordinator
- 01/06–12/07 **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)
- 01/06–12/07 **ModelCVS**,
Funding: Fit-IT Semantic Systems,
Partners: Vienna University of Technology, Industrial Partner,
Role: Project Leader (Department of Telecooperation)
- 04/04–12/09 **AGRID — Austrian Grid, WP Mobile Grid**,
Funding: bm:bwk (Federal Ministry for Education, Science and Culture),
Partners: Consortium of Austrian Universities,
Role: WP Leader
- 12/04–10/05 **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
- 12/03–05/04 **Development of an Interactive Training CD**,
Funding: Global Refund Austria (Industrial Partner)
- 12/03–05/08 **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

- 12/02–11/04 **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
- 08/02–07/04 **Pervasive Computing / WP Mobile Multimedia**,
Funding: National Government UMF,
 Partners: Fachbereich Informatik, Johannes Kepler Universität Linz
- 07/01–06/03 **AMBIENCE — Context Aware Environment for Ambient Services**,
Funding: EC — ITEA / National Government,
 Role: Project Leader AT
- 10/98–12/00 **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
- 02/00–07/00 **Mobile Internet Services**,
Funding: Enterprise Sports Promotion,
 Role: Key Researcher
- 01/99–12/00 **Multimedia Traffic Characterization**,
Funding: Wissenschaftlich-technische Zusammenarbeit Österreich-Frankreich,
 Partners: Raymond Marie, INRIA/IRISA Rennes, France,
 Role: Key Researcher
- 01/99–05/99 **Web Concept Vienna City Marathon**,
Funding: Enterprise Sports Promotion,
 Role: Key Researcher
- 10/98–09/00 **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
- 02/98–12/98 **Co-Operate — Distributed Multiuser Work Environments**,
Funding: BMWV,
 Partners: Universität Salzburg, Universität Linz,
 Role: Key Researcher
- 03/97–02/98 **VROEIG Virtuelle Realität für die Österreichische Informationsgesellschaft**,
Funding: BMWV,
 Partners: Universität Salzburg, Universität Linz,
 Role: Key Researcher
- 01/97–12/99 **Network Management Through Intelligent Agents**,
Funding: Wissenschaftlich-technische Zusammenarbeit Österreich-Italien,
 Partners: Antonio Puliafito, University of Catania,
 Role: Key Researcher
- 1995–1996 **Parallel Simulation of Complex Workflow Models**,
Funding: ÖNB,
 Role: Key Researcher

- 01/94–12/95 **WLC Workload Characterization of Parallel Systems**,
Funding: Wissenschaftlich-technische Zusammenarbeit Österreich-Italien,
 Partners: Maria Calzarossa, University of Pavia,
 Role: Key Researcher
- 11/93–10/95 **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
- 04/92–09/94 **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
- 07/91–06/96 **PAPS Performance Analysis of Parallel Systems**,
Funding: Fonds zur F"orderung Wissenschaftlicher Forschung (FWF),
 Role: Key Researcher
- 04/93–03/94 **CAPSE Computer Aided Parallel Software Engineering**,
Funding: Bundesministerium f. Wissenschaft und Forschung (BMWF),
 Partners: Jens Volkert, Universität Linz,
 Role: Key Researcher

[Selected Research Visits](#)

- 2015 **Delegationsreise Fokus Wissenschaft und Forschung Dänemark**,
Dänemark, May 31 - June 3, (Research Strategy)
- 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, Strategy)
- 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 Calzarossa,
Universita di Pavia, Italy

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

Zary Segall,
Royal Institute of Technology Stockholm, Sweden

Friedemann Mattern,
ETH Zürich, Switzerland

Markus Fiedler,
Blekinge Institute of Technology, Sweden

Erol Gelenbe,
Imperial College London, UK

Hans van der Heijden,
University of Surrey, UK

Allen Malony,
University of Oregon, USA

Hamid R. Arabnia,
University of Georgia, USA

David M. Nicol,
University of Illinois, USA

Eduardo Carrillo Zambrano,
Universidad Autonoma de Bucaramanga, Colombia

S.V. Raghavan,
IIT Madras, India

Stephen John Turner,
Nanyang Technological University, Singapore

Stephan Bressan,
National University, Singapore

Arthur R. Lugmayr,
Curtin University, Australia

Maria Indrawan-Santiago,
Monash University, Australia

Publications

Summary

- 28 Journal Articles
- 74 Refereed Conference and Workshop Papers
- 18 Invited Contributions
- 35 Editorial Work
- 36 Technical Reports and Others
- 3 Thesis (Master, PhD, Habil)
- 194 Total**
- H-Index 14 (Google Scholar)

2015

- j28 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

- j27 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
- j26 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
- i18 G. Anderst-Kotsis: Dumb Web, Smart Web, Knowledgeable Web. Proceedings of iiWAS 2014, p. 1
- i17 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

- j25 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
- j24 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
- j23 G. Kotsis, I. Khalil: Special issue on Semantic Information Management guest editorial, in: Information Systems Frontiers, Volume 15, Number 2, Page(s) 151-157
- j22 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 für 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

j21 C. Strauss, G. Kotsis, E. Pardede, Fatos Xhafa: Special issue on challenges with defining and measuring e-Services sustainability: Editorial preface. *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

i16 G. Kotsis: 10 years mobile multimedia: from Motorola RAZR to iPhone 5. *iiWAS 2012*, p. 1, ACM, ISBN 978-1-4503-1306-3

2011

j20 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

i15 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

j19 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

j18 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: QEST 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
- j17 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
- j16 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
- i14 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
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- 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

- 08.12.2014 The Human Face of Mobile, MoMM 2014, Kaoshiung, Taiwan, invited talk
- 04.12.2014 Dumb Web, Smart Web, Knowledgable Web, iiWAS 2014, Hanoi, Vietnam, invited talk
- 23.01.2014 Scenarios for Collaborative Architectures for Monetizing Broadcast Archive Clips, IATA Workshop, Brescia, Italy
- 03.12.2012 10 years of Mobile Multimedia - from Motorola RazR to iPhone 5, iiWAS/MoMM 2012, Sanur, Indonesia, invited talk
- 05.12.2011 New Challenges for Universities in the Knowledge Triangle, iiWAS/MoMM 2011, Vietnam, invited talk

- 04.05.2011 AWPS - an architecture for pro active web performance management, Universita die Pavia, Italy, invited talk
- 08.11.2010 iiWAS/MoMM 2010, Paris, France
- 16.10.2010 AWPS - an architecture for pro-active web performance management, Perform Workshop 2010, Vienna, Austria
- 17.08.2010 Omnipresent Multimedia - enabling new ways of communication and cooperation, AMR Workshop, Linz, Austria
- 14.12.2009 The Evolution of the Web: Information - Communication - Cooperation, Keynote ii-WAS/MoMM 2009, Kuala Lumpur, Malaysia
- 14.05.2009 Next Generation Internet, iTechnoLog 09, AEC, Linz, Austria
- 30.06.2008 Next Generation Cooperative Environments: A QoS Perspective, ICCSA 2008, International Conference on Computational Science and its Applications, June 30 - July 3 2008, Universita di Perugia, Italy
- 07.03.2008 The Web Goes Mobile: Can We Keep the Pace?, CISIS 2008, Barcelona, Spain
- 01.08.2007 Norms for Modelling Agent Interactions in Ubiquitous Environments, Inter-Symp 2007, 19th International Conference on Systems Research, Informatics and Cybernetics, Baden-Baden, Germany
- 06.11.2006 Challenges in Sensor Network Applications, Euro-India Workshop on Next Generation Wireless Technologies, Kolkata, India, invited talk.
- 17.09.2006 Tutorial Applications in Sensor Networks, WPMC, San Diego, USA
- 10.04.2006 Mobile/Wireless Computing: A QoS Perspective, Aalborg University, Denmark
- 07.02.2006 Beyond Desktop Computing: Technology Trends and Future Applications, EATIS 2006, Euro American Conference on Telematics and Information Systems, University of Bucaramanga, Santa Martha, Colombia, Keynote Talk.
- 13.02.2006 Beyond Desktop Computing: Technology Trends and Future Applications, International Conference on Internet and Multimedia Systems and Applications, February 13-15 2006, Innsbruck, Austria, Keynote Talk.
- 22.09.2004 Performance issues in mobile commerce applications, Momm 2004, Bali, Indonesia.
- 15.09.2003 Performance of (mobile) Web Services, iiWAS & MoMM 2003, September 15-17 2003, Jakarta, Indonesia
- 08.07.2003 Embedding Mobility Support in Airline Crew Pairing, Rostering, and Operations, EUROINFORMS 2003, July 7-10 2003, Istanbul, Turkey
- 20.02.2003 Performance of Web Services, FAW Research colloquium, Hagenberg, Austria
- 14.08.2002 Performance Management in Ubiquitous Computing Environments, ICCC 2002, International Conference on Computer Communication, August 12-15 2002, Bombai, India
- 12.08.2002 IT Support for Collaboration - Pain or Gain ?, IRIS 2002, Scandinavian IS Conference, August 10-13 2002, Bautahoj, Denmark
- 02.05.2002 Performance of (mobile) Web Services, Research Seminar, Copenhagen Business School, Denmark
- 31.10.2001 Mobile and Wireless Communication, Research Presentation, Copenhagen Business School, Denmark
- 20.04.2001 Mobile and Wireless Environments - a quality of service perspective, Research Presentation, University of Linz, Austria
- 23.03.2001 Mobile Group Communication Systems, Research Presentation, University of Salzburg, Austria

- 20.10.2000 Final Presentation of BISANTE Objectives and Achievements, BISANTE Final Review Meeting, Surrey, UK
- 24.03.2000 Performance Management in Parallel and Distributed Computing Systems, Habilitation Colloquium, Vienna, Austria
- 28.09.1998 Graph Based Characterization of Distributed Applications, DAPSYS 98, Second Workshop on Distributed and Parallel Systems, September 28-30 1998, Budapest, Hungary
- 01.07.1998 REBELS - Remote Execution BasEd Load-balancing System, EURO-PDS'98, European Conference on Parallel and Distributed Systems, July 1-3 1998, Baden, Austria
- 24.06.1998 User-Behavior Oriented Generative Workload Modeling for WWW Applications, invited Talk, Graduiertenkolleg Parallele und Verteilte Systeme, Universitaet Stuttgart, Germany.
- 09.01.1998 Optimistic Distributed Execution of Business Process Models, HICSS-31, Hawaiian International Conference on System Sciences January 6-9 1998, Big Island, USA
- 19.11.1997 A Workload Characterization Methodology for WWW Applications, PMCCN97, International Conference on Performance Modeling of Complex Communication Networks, November 19-21 1997, Tsukuba, Japan
- 18.09.1997 (Generative) Workload Modeling, invited talk, Dagstuhl Seminar on Performance Evaluation, September 15-19 1997, Schloss Dagstuhl, Germany
- 10.09.1997 Generative Workload Models of Internet Traffic, ICICS97, International Conference on Information, Communication, and Signal Processing, September 9-12 1997, Singapore
- 05.06.1997 Interval Based Workload Characterization for Distributed Systems, MTT'97, 8th International Conference on Modelling Techniques and Tools for Computer Performance Evaluation, June 3-6, 1997, St. Malo, Frankreich
- 24.10.1996 Synthetic Workload Generation for Parallel Processing Systems, International Conference of the Austrian Center for Parallel Computation, University of Klagenfurt, Austria.
- 02.10.1996 A Framework for Workload Modeling for Parallel Systems, DAPSYS 96, First Austrian-Hungarian Workshop on Distributed and Parallel Systems, October 2-4 1996, Hotel Juno, Miskolc, Hungary
- 06.02.1996 Client/Server Solutions - State of the Art, exponet 96, February 6-8 1996, Austria Center Vienna, Austria
- 25.01.1996 InHouse - A User-oriented Monitoring Approach, Euromicro 96 Workshop on Parallel and Distributed Processing, January 24-26 1996, Braga, Portugal
- 05.10.1995 Petri Net Performance Models for the Intel Paragon Communication System, PNPM'95, International Conference on Petri Nets and Performance Models, October 3-6 1995, Duke University, North Carolina, USA
- 03.05.1995 A Hierarchical Approach for Workload Characterization for Parallel Systems, HPCN Europe, European Conference on High Performance Computers and Networks, May 3-5 1995, Milano, Italy
- 04.01.1995 Efficiency Evaluation of Selected Parallelization Tools, HICSS-28, Hawaiian International Conference on Computer Systems, January 3-6 1995, Maui, USA
- 26.09.1994 Workload Models for Parallel Processing Systems, Workshop on Parallel Processing, September 26-30 1994, Lessach, Austria
- 24.11.1993 Workload Characterization for Parallel Systems, Fachgespraech 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

- 16.10.2015 Weltmacht Computer: beherrscht der Computer uns oder wir ihn?, Technolution Workshop, 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 Technologiegespraech, Forum Alpbach, Austria
- 17.03.2010 Was heißt Exzellenz? Forschung an der Johannes Kepler Universitaet, Treffpunkt Wissenschaft, Linz
- 09.03.2010 From Digital Media to Digital Worlds, Vortragsreihe zu Wissensmanagement und digitalen Medien an der Donau-Universitaet Krems, Austria
- 13.01.2010 Spitzenplatz im Ranking = Spitzenplatz in der Forschung?, EWMD-Linz Clubabend, Linz, Austria
- 20.03.2007 Web der Zukunft, Symposium Neue Technologien im Alltag, tech2b Day 2007, Linz, Austria
- 29.03.2006 Wissenschaftskulturen in einer Globalisierten Welt - braucht Europa eine Neupositionierung?, 7. Ernst Mach Forum, Diskussionsrunde, OeAW, Wien, Austria
- 2003-2006 Road Show on Promoting the European Computer Driving Licence and related OCG projects. Bregenz, Graz, Innsbruck, Linz, Salzburg, Semmering, Vienna, Austria
- 07.11.2005 Forscherinnen-Empowerment, Press Conference, Vienna, Austria
- 29.10.2004 ECDL-PD Project, Press Conference, Graz, Austria

- 07.10.2004 Informationstechnologie als Werkzeug fuer Alle, Oesterreichtag, Eisenstadt, Austria
- 06.10.2004 ECDL - eFit Austria, Press Conference, Vienna, Austria
- 07.07.2004 Wohin fahren wir in Zukunft am Datenhighway?, Upper Austrian Broadband Day, Wirtschaftskammer Linz, Austria
- 26.04.2004 Mobile Interfaces, Workshop on Everywhere Interfaces, One Smart Space, Vienna, Austria
- 27.08.2003 Women in Computer Science - A Personal Perspective, WITFOR 2003, August 27-28 2003, Vilnius, Lithuania
- 07.05.2003 Web Performance, lecture broadcasted via the upper austrian education highway, Linz, Austria
- 18.02.2003 Das Schweigen der Handys, Sky Lounge, Ars electronica Center Linz, Austria
- 03.10.2002 Press Conference on Drop Out Rates of Students in IT, Vienna, Austria
- 20.03.2002 Seminar E-Commerce, half day tutorial / lecture, Krems, Austria
- 08.11.2001 Weil ich ein Mädchen bin - Frauen in der Informatik, IT works for Women, Vienna, Austria
- 18.01.2000 Towards a Mobile Office - Technologies and Visions, Hochschule für Angewandte Kunst, Meisterklasse Textil, Vienna, Austria
- 20.03.1997 Women in Computer Science, UNISEX, Symposion FrauenForschen, Universität Wien, Austria

Scientific Community Services and Administration

Memberships in Professional Societies

- Member of the ACM
- Member of the Austrian Center for Super Computing (ACSC)
- Member of the Austrian Computer Society (OCG), from 2003-2007 President
- Member of the OCG Working Group Fem-IT
- Member of the OCG Working Group Pro-IT
- Representing Member Informatik Austria
- Representing Member Informatics Europe

Memberships in Scientific Boards

- since 2012 Chair of the Aktionsfeldkomitee Lebensmittel, OÖ2020
- since 2012 Member of the RFTOOe Policy Committee
- since 2009 Member of the Upper Austrian Council for Research and Technology (RFTOOe)
- since 2008 Member of the ACM Europe Board
- 2012–2015 Member and Chair of the Advisory Board for the Upper Austrian Research GmbH
- 2009–2015 Member of the European Association of Rectors of Technical Universities
- 2008–2016 Member and Chair of the Scientific Advisory Board of Research Studios Austria GmbH
- 2007–2015 Member of Forum Forschung, Austrian Association of Universities, from 10/11 – 09/15 Chair
- 2007–2015 Member of the FWF Delegates Assembly
- 2007–2015 Member of the Advisory Board for the K-Wood Competence Center
- 2007–2015 Member of the Advisory Board for the LCM GmbH
- 2007–2010 Member of the Science and Research Council of Salzburg (Salzburger WFR)
- 2006 Member of the FET/BTH Advisory Board on Pervasive Computing, EU-IST programme, <http://www.beyond-the-horizon.net/>
- 2005–2006 Member of the Strategic Consulting Group, Austrian Ministry for Economy and Labour

Selected Reviewing Activities and Editorial Boards

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

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

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

- Habilitation Award in Medicine, County of Upper Austria (2014–2015)
- Kurt Zopf Foerderpreis, 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 Member

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

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)

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

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

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

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

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

since 2003 Chair in “Institutskonferenz”, Institut f. Telekooperation

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

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

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

2003–2007 Deputy Member of the Academic Senate

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

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

Service in Academic Bodies at Other Universities

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

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

2009/10 Member of the Curriculum Accreditation Committee Bachelor und Master Wirtschaftsinformatik, CAU Kiel

11/1999 - Member and Vice-Chair of the Faculty Committee “Mittelbaukurie im Fakultätskollegium”,
02/2001 Fakultät für Wirtschaftswissenschaften und Informatik, University of Vienna (Faculty Committee)

09/1994 - Member in “Studienkommission Wirtschaftsinformatik”, University of Vienna and Vienna
02/2001 University of Technology (Committee on the Business Informatics Curriculum)

- 12/1993 - Member and Vice Chair (2000-2001) in “Institutskonferenz”, Institut für Informatik und
02/2001 Wirtschaftsinformatik, University of Vienna (Department Committee)
- 11/1993 - Member in “Arbeitskreis für Gleichbehandlungsfragen”, University of Vienna (Working
02/2001 Group for Equal Opportunity Issues)

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
- Telemedia I**, *2h Lecture*, mandatory course in Computer Science, elective in other curricula
summer 2003, 2004, 2005, 2006, 2007
- 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
- Master **Principles of Cooperation**, *2h Lecture 1h Lab*, mandatory course in computer science, elective in other curricula
summer 2014, 2015
- Cooperative Systems**, *2h Lecture*
summer 2008, 2009, 2011, 2012, 2013
- Telemedia 2**, *2h Lecture*
winter 2003, 2004, 2005, 2006, 2007
- Unconventional User Interaction**, *2h Lecture + 1h Lab*, in cooperation with external lecturers
summer 2007, 2008, 2009, 2010, 2011, 2012, 2013
- Capacity Planning**, *1h Lecture + 1h Lab*, elective in computer science and other curricula
summer 2010, 2011, 2012, 2013, 2014, 2015
- Web Performance**, *1/2 h Lecture + 1/2h Lab*, elective in Web Sciences
summer 2012, 2013, 2014, 2015
- Advanced Topics in Computer Science**, *2h Seminar, 5h Practical*
winter/summer 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- Advanced Topics in Computer Science**, *1h Lecture, 1h Lab*, 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
- PhD **Dissertantenseminar 1, 2, 3, 4**, *3h Seminar*
winter/summer 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- 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 2009, 2010, 2011, 2012, 2013, 2014, 2015

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

winter 2006, 2007

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

summer 2002

Multimedia Verarbeitung, 2h Lecture+Lab, FH Eisenstadt

summer 2008, 2009

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

winter 2002

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

September 2006

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

winter 2003/04

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

September 2007

Supervision of PhD Theses

- Linz **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
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- Quan Le Trung**, *Internetworking Mobile Ad-Hoc Networks with Wireless Sensor Actor Networks and the Internet*, 2007, University of Linz
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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 **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
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- David Panhofer**, *Ästhetik des Fehlers - Die Schönheit am Fehler, dem Mangel und dem Glitch*, 2013, University of Arts and Design, Linz
second examiner
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- 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
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- 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
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- 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