Subject: Informatics/Psychology, Research Area: Multimedia Information & Learning

Associate Professor

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Mission Statement: Research, Development and consulting to realize easier, simpler and faster usable Information and Learning Systems; Strong commitment to Human–Centered Design.

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Andreas Holzinger, head of the Research Unit HCI4MED, Institute of Medical Informatics, Statistics & Documentation (IMI), Medical University Graz (MUG); Associate Professor of Information Processing at the Institute of Information Systems and Computer Media (IICM), Faculty of Computer Science, Graz University of Technology (TUG) and chair of the Workgroup Human–Computer Interaction and Usability Engineering (HCI&UE) of the Austrian Computer Society (OCG). He is founder and leader of the Special Interest Groups HCI4MED and HCI4EDU.
Visiting Lecturer at the Nations Health Career Center, Berlin, Germany (2002/03); Visiting Professor at Innsbruck University, Institute for Organization & Learning (2004/05); Visiting Professor at Vienna University of Technology, Institute for Software Technology & Interactive Systems (2005/06); Visiting Professor at Middlesex University London (UK), School of Computing Science in (summer term 2007); and Visiting Professor at Vienna University of Economics, Health Care Management (2006/07, 2007/08 and 2008/09).

From Apprentice to acknowledged Expert:
Andreas Holzinger, born April 18, 1963 in Graz, married, two children, started his career as apprentice in Information Technology (IT) in 1978, finishing as Radio- and Television Technician (1981); Foreman in Industrial Electronics (1983); College of Further Education Bournemouth (UK) with honors in Computer Science (1985/86); After extensive industrial experience, during which he attended evening classes, he was awarded Chartered Engineer for Communications and Information Technology (CEng, 1990); Diploma as Lecturer for Adult Education (DipEd, 1992); Studies of Communication and Information Engineering (BEng, 1993), Physics and Psychology (MSc, 1995) as well as Media Pedagogy and Sociology (MPh, 1996) at Graz University of Technology and Graz University. Doctoral promotion with summa cum laude in Cognitive Science (PhD, 1997). Second Doctorate (Habilitation, venia docendi) in Information Processing, Faculty of Computer Science, Graz University of Technology (Assoc. Prof., 2003).

Andreas served as consultant for the Austrian, German and Dutch Ministry of science and national expert in the European Commission (EC) in the eEurope e-Learning Initiative "eEurope: an information society for all" and as member of the Steering Committee “New Media in Teaching at Austrian Universities”. He is Industrial Consultant, and member of the European Research Consortium in Informatics and Mathematics (ERCIM). He is professional member of the ACM, IEEE, AACE, GI, GMW, the German Society of Psychology (DGP) and board member of the Austrian Computer Society (OCG). He directed numerous successful R&D projects (e.g. Virtual Medical Campus Graz (VMC-Graz), MUCOPHY, PACOSY) and organized national and international conferences. He serves as reviewer and in the board of numerous reputed Journals and international conferences and is evaluator for both national and international organizations. He serves as Lecturer at the Institute of Information Processing and Computer Supported New Media (IICM, Prof. DDr.Hermann Maurer) since 1998.

Selected Publications (Total: 216, June 2009)

A 40. Holzinger, A., Kickmeier-Rust, M., Wassertheurer, S., Hessinger, M. (2009) Learning Performance with Interactive Simulations in Medical education: Lessons learned from results of learning complex physiological models with the HAEMOdynamics SIMulator. Computers & Education, 52, 1, 292-301

A 34. Holzinger, A., Wassertheurer, S., Emberger, W., Neal., L. (2008) Design, Development and Evaluation of Online Interactive Simulation Software for Learning Human Genetics. Springer Elektrotechnik & Informationstechnik, 125, 5, 190-196

A 31. Holzinger, A., Kickmeier-Rust, M., Albert, D. (2008) Dynamic Media in Computer Science Education; Content Complexity and Learning Performance: Is Less More? Educational Technology & Society, 11, 1, 279-290

A 30. Holzinger, A. & Errath, M. (2007) Mobile Computer Web-Application Design in Medicine: Research Based Guidelines. Springer Universal Access in Information Society International Journal. 6, 1, 31-41

A 21. Ebner, M. & Holzinger, A. (2007) Successful Implementation of User-Centered Game Based Learning in Higher Education – an Example from Civil Engineering. Computers & Education, 49, 3, 873-890

A 15. Holzinger, A. (2005) Usability Engineering for Software Developers. Communications of the ACM, 48, 1, 71-74