



UM-Fakulteta za elektrotehniko, računalništvo in informatiko

**VABI**

*na predavanje z naslovom:*

## **Pervasive e-Education supports Life-Long Learning: Practical Examples and Research Issues**

*ki ga bo izvedel ugledni strokovnjak*

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### **Abstract:**

Today, many challenges are found in the integration of new technologies (including Mobile Phones and Smart Phones, iPod, Pocket PCs, interactive Television, Game Boy, Tablet PCs etc.), especially in their psychological and pedagogical application. In order to gain clear benefits for the end-users, it is essential to combine both Psychology and Computer Science and never separate research and development. Results and achievements gained within psychological studies must be considered in engineering at the systemic level. This means that software engineers and psychological researchers must work closer together. Human-Computer Interaction (HCI) provides a traditional bridge, which emphasizes research and Usability Engineering (UE) where the focus is on development. However, if HCI is extended for education, it is necessary to extend the bridge to include solid educational and psychological research. However, a great deal of research is necessary in the future to ensure that design and development are based on both the psychological and educational needs of the individual end users and not on what the technology or the programmer is capable of doing. This talk shows some examples of pervasive e-Education in order to motivate contemplation and future cooperation. While we must always consider that human education cannot be replaced by technology – it can be meaningfully supplemented.

### **Biographical Information:**

**Andreas Holzinger**, currently working at the Medical University Graz, was Visiting Professor at Vienna University of Technology, Institute for Software Technology and Interactive Systems (IFS) in 2005/06, Visiting Professor at Innsbruck University, Institute for Organization and Learning (IOL) in winter term 2004/05 and Visiting Lecturer at NHC in Berlin, Germany (2002 and 2003). He is Consultant for the Austrian and German Ministry of Science, National expert and IST evaluator in the EC, Industrial Consultant, member of the European Research Consortium in Informatics and Mathematics (ERCIM). He is elected chair of the WG HCI&UE of the Austrian Computer Society and founder and leader of the SIG "HCI4EDU" in order to bring together Psychologists, Educationalists and Engineers. Holzinger started his career as apprentice in 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 (CEng, 1990); Diploma as Lecturer for Adult Education (DipEd, 1992); Studies of Communication 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); Venia Docendi (Univ.-Doz., Associate Professor, 2003) in Applied Information Processing at Graz University of Technology. To date he had 148 publications and 99 lectures and talks. More information: [www.basiswissen-multimedia.at](http://www.basiswissen-multimedia.at).

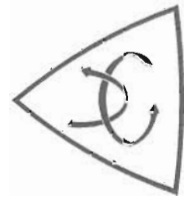
### **Organizatorja:**

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**UNIVERSITY OF MARIBOR**  
Faculty of Electrical Engineering  
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# CONFIRMATION

Hereby we confirm that

Prof. Dr. **Andreas HOLZINGER**

held an invited lecture entitled:

**"Pervasive e-Education  
supports Life-Long Learning:  
Practical Examples and  
Research Issues**

at our Institution on August 28th, 2006.

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