

The New Computing: Research Examples from the Area of Medical Informatics

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Abstract:

The mobility aspect wins an ever increasing importance in all areas of our future professional environment. New Technologies enable a revolutionary development; away from the classical Desktop computer (PC) towards open, distributed, dynamic, ubiquitous (available everywhere) and pervasive (omnipresent) technologies. Telecommunication and mobile terminals are connected to traditional Internet structures and distributed systems. The *New Computing* is entailed in the design and development of software applications, in order to provide support for people, to improve daily workflows – briefly: in order to create a clear, unambiguous and manifest appreciation in value, in the sense of Ben Shneiderman of the University of Maryland (USA): *"The old computing is about what computers can do – the new computing is about what people can do."* This talk provides an overview about current activities and projects in the area of Medical Informatics in Graz.

Biographical Information:

Andreas Holzinger, born April 18, 1963 in Graz, married, two children, works, teaches and researches currently as Associate Professor of Information Processing at the Institute of Medical Informatics, Statistics and Documentation (IMI) in Graz. Holzinger is Consultant for the Austrian and German Ministry of Science, National expert and IST evaluator in the European Commission (EC), Industrial Consultant, member of the International Federation of Information Processing (IFIP) WG 13 (HCI) and member of the European Research Consortium in Informatics and Mathematics (ERCIM) Working Group User Interfaces for All (UI4ALL). More Information: www.basiswissen-multimedia.at (click on Holzinger Home).