*** Call for Papers ***

In order to further promote the collaboration between Psychology and Computer Science (Informatics), we are inviting your contribution to the USAB 07.

USAB 2007 - Usability & HCI for Medicine and Health Care
3rd Symposium of the Austrian Computer Society, WG HCI&UE
NOVEMBER 22, 2007, Graz, Austria

http://www.meduni-graz.at/imi/usab-symposium

Mission Statement: Together Today, combining Data, Information and Knowledge, to support the work of the Medical Professionals of tomorrow!

Technological performance increases exponentially and Medical Information Systems and Decision Support Systems are extremely sophisticated. However, human cognitive performance does not advance at the same speed.

Information systems are a central component of modern knowledge-based Medicine and Health services. However, Information technology must make Knowledge Management possible and support all medical staff in their daily work.

Consequently, the focus on interaction and communication between human and computer is of increasing importance.

Traditionally, Human–Computer Interaction (HCI) bridges Psychology and Informatics, while Usability Engineering (UE), as an engineering discipline, is firmly anchored in software technology and guarantees a solid technological implementation. Together, HCI&UE provide the emerging potential to assist the daily workflows in the realm of medicine and health care. Innovation and new developments often take place just at the junction of two or more disciplines.

We are seeking high quality papers, which will be reviewed by at least three independent reviewers. Accepted contributions will be published by Springer in their series: Lecture Notes in Computer Science (LNCS).
Topics include (but are not limited to):

- Medical Usability and new Methodologies
- Formal Methods and Methodologies (incl. Agile Methods)
- Human–Computer Interaction in Health Care
- Usability of Medical Information Systems
- Human Aspects of Future Technologies in Health Care
- Semantic Usability in Medicine and Health Care
- Human Language Analysis and Natural Language Processing
- Usability of Ontologies in the Medical Domain
- Usage and Utility of Medical Terminology
- Usability and Human Aspects of Medical Informatics and Software Solutions
- Aspects of Usability in Information Visualization for Medicine and Health Care
- Usability in Ambient Assisted Living and Life Long Learning
- Usability Aspects of Artificial Intelligence in Medicine and Health Care
- Augmented Cognition (AugCog) in medical workflows
- Problem Solving Support in medical tasks
- Adaptivity and Usability of Medical Decision Support Systems (DSS)
- Usability of Mobile, Pervasive and Ubiquitous Computing for Medicine
- Simulations in Medicine
- Adaptive Interfaces for Medical Information Systems
- Log File Analysis in Health Care
- User-Centered Design & Development Methods in Medicine and Health Care
- Real-Life Usability Testing in the Hospital
- Cognitive Task Analysis and Optimization of medical Workflows
- Special Track: Cognitive Load and Performance Support in medical workflows

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Regina GEIERHOFER, Med. Uni Graz
Christine HAAS, Austrian Computer Society
Important Dates:

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Website for further information
http://www.meduni-graz.at/imi/usab-symposium/

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