

**\*\*\* Call for Papers \*\*\***

Special Thematic Session (STS)

in the context of ICCHP 2006, July 12-14, 2006, University of Linz, Austria

<http://www.icchp.org>

**Mobile Multimodal Human-Computer Interaction,  
From haptic game interfaces to tangible wheelchair input devices:  
New Perspectives for people with special needs**

Organized by Andreas HOLZINGER & Alexander K. NISCHELWITZER



*Standard Interfaces have limited accessibility; multimodal user interfaces combine various input and output modalities (including seeing/vision, hearing/audition, haptic/tactile, taste/gustation, smell/olfaction etc) which are a classical research area in human-computer interaction. One of the advantages of multiple modalities is increased usability: the weaknesses of one modality are offset by the strengths of another. For example, on a mobile device with a small visual interface and keypad, a word may be quite difficult to read/type, however very easy to say/listen. Such interfaces in combination with mobile technologies can have tremendous implications for accessibility and can be a benefit for people with a wide variety of impairments. This Special Thematic Session brings together Researchers and Practitioners from Psychology and Computer Science, aiming at bringing benefits for handicapped people.*

Topics include (but are not limited):

- Multimodal Input/Output Technologies (TUI – tangible user interfaces, AUI – audio user interfaces etc.);
- Multimodal user feedback methods;
- New accessible game input devices;
- Innovative control interfaces for handicapped users;
- Multimodal trainings and e-Education applications (eLearning)
- Usability and Accessibility aspects of advanced interfaces

Submission Deadline: **January, 25th 2006**

All papers undergo careful peer review and will appear in Springer Lecture Notes in Computer Science (LNCS). Manuscripts must be submitted directly to the conference management system:

<http://www.icchp.org/content/view/59/92>

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