Proceedings of

GOTHI'05

Guidelines On Tactile and Haptic Interactions

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GOTHI'05 Call for Papers

Interest in tactile / haptic user interfaces is accelerating. This is largely supported by a wealth of research-generated knowledge. The time has come to start to transform this knowledge into a set of basic guidelines which is usable by all interface developers. GOTHI'05 is a first step towards this transformation. GOTHI'05 will lead the way to bringing tactile / haptic interfaces into mainstream computing.

GOTHI'05 is a unique opportunity for a small gathering of experts to move the state of the practice ahead in a significant manner. Participation in GOTHI'05 will be by invitation, based on the acceptance of a suitable paper.

Topics of Interest

GOTHI'05 welcomes papers that include generalized guidance based on research and practice. Papers can deal with tactile interactions, haptic interactions, or a combination of tactile and haptic interactions.

The following are some of the areas of particular interest:

- reference models useful for understanding, designing, or organizing standards for tactile / haptic
    - interfaces
    - interactions
    - encodings
- guidelines regarding
    - the design/use of tactile/haptic inputs, outputs, and/or combinations of inputs and outputs, including:
        - + general guidance on their design / use
        - + guidance on designing / using combinations
        - + use in combination with other modalities
        - + use as the exclusive mode of interaction
    - the tactile/haptic encoding of information, including:
        - + textual data
        - + graphical data
        - + controls
- requirements placed on users of tactile / haptic interfaces
- customization and adaptation of tactile / haptic interfaces
- temporal issues with tactile / haptic interfaces
- application dependent issues with tactile / haptic interfaces

Please NOTE: We are not expecting submissions to contain complete / comprehensive sets of guidelines (although we will be happy if any submissions do contain attempts at such). We hope that by combining many submissions, each with a few guidelines, that we will be able to make a start towards developing a somewhat comprehensive set of guidelines.

GOTHI'05Program Committee

Workshop and Program Chair:

- Jim Carter, U. of Saskatchewan, Canada

Program Committee Members:

- Antonio Bicchi, U. of Pisa, Italy
- Pedro Concejero, Telefónica Investigación y Desarrollo, Spain
- John Gardner, Oregon State U, United States
- Hiroyuki Miki, OKI Electric, Japan
- Helen Petrie, City U London, United Kingdom
- Jutta Treviranus, U. of Toronto, Canada
- Steven Wall, U. Glasgow, United Kingdom
- Wolfgang Wuenschmann, T.U. of Dresden, Germany

Assistant to the Program Committee:

- David Fourney, U. of Saskatchewan

Refereeing Information

Papers 1 – 12 were refereed by a minimum of 3 reviewers each.
Paper 13 was invited by the program committee.
Paper 14 was developed by participants of GOTHI-05 and was reviewed and improved by the experts involved in the meeting of ISO TC159/SC4/WG9 that followed GOTHI-05. This second group included 5 individuals who were not participants in GOTHI-05.