

Gesture at the User Interface

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CALL FOR PARTICIPATION

The goal of this workshop is to explore the uses of, and research issues associated with, the use of empty-handed gesture at the user interface. This workshop will help disconnected research efforts become aware of each other and jointly work to identify issues that are important for progress in making full use of this mode at the user interface. It is our belief that the current set of disconnected research efforts addresses a common set of key research questions which need to be answered in order for gestural interfaces to make progress.

The workshop will be limited to a maximum of twenty-five (25) participants, and will run for 1.5 days.

ACCEPTANCE

Participants in the workshop will be selected based on submission of research statements. Applicants must submit a position paper of 2-4 pages in length. This paper must state the applicant's previous research in gesture and their current area of research focus. Topics of interest include:

- gestures in multimodal dialogue
- gesture-based communication and sign languages
- gestures for teleoperation
- gestures for cooperative applications
- gestures for object-handling in real and virtual environments
- fundamental issues in gestural communication

The organizers will review the submissions and select participants based on relevant experience and differentiable areas of research, with a goal being to have a diverse set of research areas represented.

Selected participants may be asked to expand their research statements into full-length research reports suitable for publication as chapters in a book or articles in a high-quality refereed journal.

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Desired Contributions

The areas listed are not meant to exhaustively cover the area. We welcome position papers relating ongoing research programs, descriptions of specific implemented prototypes or systems, and theoretical models.

We prefer that contributions that discuss theory have sufficient motivation and proof of utility, that designs have been proved by a prototype, and that reports on small-scale experiments include convincing arguments or simulations to show their likelihood of generalizability.

Activities

Accepted workshop participants will, prior to CHI-95, be sent copies of all participants' statements to read. The organizers will assign the participants to panels focussed on topic areas such as gesture interfaces for handicapped persons, gestures in multimodal dialog interfaces, and object manipulation in virtual worlds. Topic area participants will be told who else is in their topic area so that they can jointly prepare. At the workshop during day 1, all participants will be given 10-12 minutes to present their research and ongoing activities to the group. After the individual presentations, the panels will present their consensus descriptions of their research area's state of the art, and will identify their top research issues.

We also intend to write up the workshop description and output for publication in the CHI Bulletin and electronically on the GESTURE-L mailing list. The workshop organizers may also produce a book or other archival publication documenting highlights of the research and the workshop activities.

Submission Procedure

Applicants from North, Central and South America should send their papers to Wexelblat; all others should be sent to Cavazza. Paper or electronic submissions are acceptable. Applicants with working systems are encouraged to send videotapes (NTSC or PAL). Tapes, slides, and other material which should be returned to applicants must be properly labeled for return shipment.