

CHI Workshop: Usability Research Challenges for Cyberinfrastructure and Tools
Call for Participation

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Theme

Cyberinfrastructure (or e-Science as it is known in the UK) is a global project in technological innovation whose aim is nothing less than to bring about a radical transformation in research practices [1]. The cyberinfrastructure vision is of data and information intensive, large-scale, distributed, dynamic and inter-disciplinary collaboration. As the focus moves from concept demonstrators to generic tools supporting real user communities, and users' experiences of pilot projects is absorbed and analysed, important challenges for cyberinfrastructure usability research are beginning to emerge.

This workshop seeks to engage the CHI community in the articulation of emerging cyberinfrastructure usability challenges and solutions. Position papers are invited on any relevant topic, including (but not limited to):

- Case studies of research practices and their implications for the cyberinfrastructure vision.
- Case studies of data creation, management and sharing in large scale, collaborative, distributed research and their implications for the design of user interfaces and tools.
- Case studies of usability issues and solutions in tools and applications of cyberinfrastructure.
- Usability issues relating to trust in large scale, collaborative research, including trust among collaborators and trust in the technologies of collaboration.
- Functional requirements and user interfaces for laboratories.
- User-centered methodologies for requirements gathering, design, development and evaluation of cyberinfrastructure and tools.

Submissions

Position papers should be 3-4 pages. Detailed submission requirements can be found at www.ncess.ac.uk/chi-workshop

Position papers should be submitted to chi-workshop@ncess.ac.uk

The submission deadline is December 22, 2005. All submissions will be reviewed by the workshop organising committee. Authors will be notified of the outcome of the review by January 23, 2006.

A wiki will be used to support the building of a living record of pre- and post-workshop activities and of the event itself. Pre-workshop, participants will be invited to comment on submissions, refine and group themes, define research challenges, etc. Post-workshop, participants will be invited to contribute to creating an accessible record of the event. A workshop report will be written up and submitted for publication to ACM SIGCHI Bulletin. The publication of selected workshop papers as an edited journal collection or book is being explored.

Please address queries to chi-workshop@ncess.ac.uk

1. Revolutionizing Science and Engineering Through Cyberinfrastructure. Report of the National Science Foundation Blue Ribbon Advisory Panel on Cyberinfrastructure. February, 2003. http://www.communitytechnology.org/nsf_ci_report