Call for Papers

Nowadays, most large-scale applications are designed for a large variety of users. An emerging research issue is to enable these systems to satisfy heterogeneous needs. The traditional “one-size-fits-all” approach is outdated: the challenge, now, is to enhance the system’s ability to adapt its own behaviour to individual users needs.

Some research areas focus on automatically personalizing applications based on observations of user behaviour, employing techniques from machine learning and the broader Artificial Intelligence community. For example, systems that observe a user’s actions may be able to infer users’ tasks and, through this understanding, be able to adapt user interfaces that will facilitate performance of tedious tasks or provide assistance with complex procedures.

Moreover, the personalization of applications moves along another dimension: in particular, with the advent of ubiquitous services, the adaptation to the characteristics of the transmission channel (broadband, quality of service, etc.), to the user device (memory size, etc.) and to other factors (e.g., emergency, stress, etc.) become extremely important properties of the User Interfaces.

The deep heterogeneity of users and devices makes the design and development of usable Advanced Visual Interfaces a very challenging topic for the research in personalization, that can contribute to improve them by enhancing their capabilities to adapt to specific contextual conditions.

This workshop is intended to provide a forum in which researchers from diverse fields such as machine learning, knowledge engineering, psychology, cognitive sciences, adaptive user interfaces, user modelling and virtual reality can examine the personalization aspects of the advanced user interfaces.

Topics to be addressed during the workshop include, but are not limited to:

- Intelligent User Interfaces
- Adaptive Hypermedia
- User Interface Design
- Usability
- User Interfaces for all
- Ergonomy
- Recommender systems
- Virtual Reality
- Ubiquitous Systems
- Data mining
- Standards for representing multimodal information
All contributions will be made available in a Web site before the AVI 2004 Conference, so that people can read them in advance. If possible, the handouts will also be published as an informal Annex to the main Conference Proceedings.

Important Dates:

Submission of contributions: February 29, 2004
Notification of acceptance: March 28, 2004
Camera-ready due: April 25, 2004
Workshop: May 25, 2004

Submission instructions:

The following types of submission are solicited:

- Long paper submissions, describing substantial contributions of novel ongoing work. Long papers should be at most 10 pages long.
- Short paper submissions, describing work in progress. These papers should be at most 5 pages long.
- Demonstration abstracts: software demonstrations are welcome and should be described in a short abstract outlining the key features of the system to be demonstrated. The abstracts should be at most two pages long. Notice that the authors are expected to bring their own equipment for running the systems during the workshop.

All the submissions should be formatted according to the guidelines used for the papers of the main conference. Suitable templates (LaTeX2e | LaTeX | Tex | MS Word (PC)) may be retrieved from the LNCS Web site at the following URL: http://www.springer.de/comp/lncs/authors.html.

Electronic submission of the papers is preferred, although e-mail submissions will be accepted. All submissions should be in PDF or Postscript format.

Send your submission to liliana@di.unito.it and semeraro@di.uniba.it.

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