Workshop at UM’05
Machine Learning for User Modeling:
Challenges
Edinburgh, Scotland, UK
23-29 July, 2005

Background
In building effective interfaces or computer human interaction devices, a chief limitation of traditional presentation design is the inability to meet individual user expectation at run-time. On-line design of individualised presentations that surpass the limits of the "one size fits all" approaches can be made possible by user modeling techniques.

Building models of users can be done through Machine Learning, but this requires techniques that are specific to the task. One particular issue is that the user models cannot remain static, in the sense that during the use of the gathered which should in turn be used to improve the user models. The knowledge from which the construction of the models can be made is many-fold: web logs, speech, images...

Machine learning is needed in order to construct the initial model, to allow reactivity and adaptivity, to build clusters of users, to allow the interface to find out more about the users, even if this does not pay off in the short term.

Participants
The workshop is organised by the PASCAL Special Interest Group in User Modeling for Computer Human Interaction.

PASCAL (http://www.pascal-network.org/) is a Network of Excellence launched in January 2004 in the context of the 6th European Framework. 56 research teams participate in this network whose primary objective is to build novel tools for interfaces, in which it is expected that machine learning and pattern analysis have a role to play.

Members of PASCAL are specially asked to participate to this workshop, but non-members are welcome, so this could also be a possibility for non PASCAL researchers to meet these and build fruitful collaborations.

Format
The workshop will consist of 30 minute presentations and ample time will be allocated for discussions. In addition to the regular papers, we will accept position papers.

Submission Guidelines
Submissions should be formatted as for the main UM conference submissions. For camera-ready format instructions, please see For Authors instructions at http://www.springer.de/comp/incs/authors.html. The page limit is 8 pages.

The submission guidelines for position papers are the same as for the regular papers. However, only 2 pages may be used.

Please submit a PDF file of the article. The filename should have the last name of the main author in it. Submissions should be sent by email by March 7th, 2005. The file should be sent to Colin de la Higuera <cdlh@univ-st-etsienne.fr> and the subject of the email should be "UM and Machine learning workshop: <author>" with <author> the name of the main author. If you have problems with the requirements, please let us know as soon as possible (on the above email address).