



## 10<sup>th</sup> DELOS Thematic Workshop on “Personalized Access, Profile Management, and Context Awareness in Digital Libraries” (PersDL 2007)

29-30 June 2007, Corfu, Greece

in conj. with the 11th Int'l Conference on User Modeling (UM2007)  
(<http://www.iit.demokritos.gr/um2007/>)

Workshop URL: [www.dblab.ntua.gr/persdl2007/](http://www.dblab.ntua.gr/persdl2007/)

Future digital libraries require new solutions to several problems related to content organization, information access, and user-system interaction. A key characteristic of emerging systems will be customizability of their behavior, in particular, taking into account the various characteristics, preferences, and needs of individual users or groups of users, as well as the context in which these users interact with the system. Presently, there are many research efforts within various fields that are trying to address several research problems that arise when developing such systems. Most of these efforts are associated with the general notions of “personalization” and “contextualization”, which are nevertheless, interpreted quite differently by researchers coming from different research areas. For example, context could represent the processing power of peers and the network throughput; or it could be seen as the knowledge domain of the user; or even the set of external interaction conditions. As the meeting point of several diverse fields, Digital Libraries encompass many existing notions of personalization and contextualization and would benefit greatly from a common, broader definition of them that would cover all views and needs.

In personalizing the behavior of digital libraries (or any other system for that matter), there are three major stages one has to go through, each one raising its own rich set of problems: user modeling, where particular user characteristics, interests, preferences, abilities, etc., are identified as critical for the applications of concern and placed within an appropriate framework or model; user profiling, where through observations of a user’s behavior or through direct input, a particular profile for the user is created following the structure of the user model of choice; personalization, where the particular profile is used to modify some aspects of the system behavior. These three stages may be similarly identified for contextualization, giving rise to analogous sets of research problems. Furthermore, exploring the possible relations between contextualization and personalization is of particular interest. First, contextualization can be used as a personalization mechanism by viewing a user’s profile as a particular case of context. Alternatively, users may have different profiles depending on the context in which they operate each time.

Personalization and contextualization may affect the overall user experience when interacting with digital libraries at different levels: content selection, where different users are provided with different content according to their interests, background, preferences, and context; content presentation, where the content presented to a user may be adjusted to the user’s knowledge and preferences, or the displaying device used, e.g., in summarized or extended form, or in different layout and colors; user interaction, where personalized navigation shortcuts, guided tours, and companions may be introduced; and services provision, where different services may be offered to different users and these may be customized according to

the needs and preferences of the users or their context. Such mechanisms would also affect various components of the architecture of a digital library system: from designing the user interface, enhancing and reformulating the user query, implementing query routing in a digital library federation, to managing the actual data at the database level. It is therefore imperative that people working at the different components of a digital library system clarify their view of contextualization and personalization and describe the ways and degree to which these can be applied to their components of interest.

Organized by the DELOS Network of Excellence (<http://www.delos.info/>), this workshop aims at providing a forum for presentation of the latest research results, new technology developments, and new applications in the areas of personalized access, profile management, and context awareness in digital libraries.

Relevant topics of the workshop include but are not limited to:

- User modeling for digital library users
- Modeling of user preferences in digital libraries
- Reasoning on user models
- User profiling and profile elicitation
- User log mining and behavioral pattern recognition
- Personalized information retrieval, information filtering, and content personalization
- Agents for intelligent browsing and navigation
- Collaborative filtering and recommender systems in digital libraries
- Advanced collaborative environments
- Personal Information Management
- Adaptive interfaces and personalized interaction
- Architectures for personalized privacy in digital libraries
- Privacy-preserving personalization methods
- Adaptive digital library systems
- Context modeling and context identification
- Multimodal ubiquitous environments
- Context-aware computing in digital libraries
- Context-aware system architectures
- Context-aware user profiling and personalization
- Evaluation methodologies and metrics

The workshop welcomes contributions from IR, DB and AI researchers as well as DL users and practitioners. Contributions may describe original research, applications, approaches, and evaluation studies.

### Submission Instructions

Papers (in PDF format) should be submitted via email at [persdl2007@dblab.ntua.gr](mailto:persdl2007@dblab.ntua.gr) by May 4, 2007. Papers should be up to five pages long, double-column, single-space, and in font size 10 pt. All submissions will be reviewed on the basis of relevance, originality, significance, soundness, and clarity.

### Important Dates

- Deadline of paper submissions: May 04, 2007
- Extension of paper submissions: May 11, 2007
- Notification to authors: May 25, 2007
- Camera-ready versions: June 8, 2007
- PersDL 2007 workshop: June 29-30, 2007

## General Chairs

- Tiziana Catarci (Università di Roma "La Sapienza", Italy), catarci@dis.uniroma1.it
- Yannis Ioannidis (University of Athens, Hellas), yannis@di.uoa.gr
- Timos Sellis (National Technical University of Athens, Hellas), timos@dblab.ece.ntua.gr

## PC Chairs

- Werner Kiessling (University Augsburg, Germany), kiessling@informatik.uni-augsburg.de
- Georgia Koutrika (Stanford University, USA), koutrika@stanford.edu

## Program Committee

- Sihem Amer-Yahia (Yahoo Research, USA), sihem@yahoo-inc.com
- Wolf Tilo Balke (University of Hannover, Germany), balke@l3s.de
- Paolo Ciaccia (University of Bologna, Italy), pciaccia@deis.unibo.it
- Vassilis Christophides (FORTH, Hellas), christop@csi.forth.gr
- Fausto Giunchiglia (University of Trento, Italy), fausto@dit.unitn.it
- Stephen Kimani (Università di Roma "La Sapienza", Italy), kimani@dis.uniroma1.it
- Carlo Meghini (CNR, Italy), carlo.meghini@isti.cnr.it
- Wolfgang Nejdl (University of Hannover, Germany), nejdl@kbs.uni-hannover.de
- Moira Norrie (ETH-Zentrum), norrie@inf.ethz.ch
- Annelise Mark Pejtersen (Center of Cognitive Systems Engineering, Denmark), ampcse@mail.dk
- Timos Sellis (National Technical University of Athens, Greece), timos@dblab.ntua.gr
- Giovanni Semeraro (University of Bari, Italy), semeraro@di.uniba.it
- Barry Smyth (University College Dublin, Ireland), barry.smyth@ucd.ie
- Nicolas Spyrtos (University of Paris-South, Paris), spyrtos@lri.fr
- Martin Theobald (Stanford University, USA), Theobald@cs.stanford.edu
- Ilaria Torre (Università degli Studi di Torino), ilaria.torre@di.unito.it
- Christos Tryfonopoulos (Max-Planck-Institut für Informatik), trifon@mpi-inf.mpg.de

## Organizational Chair

- Yannis Stavrakas (National Technical University of Athens, Hellas), ys@dblab.ece.ntua.gr

## Organizational Committee

- Christos Papatheodorou (Ionian University, Hellas), papatheodor@ionio.gr
- Giannis Tsakonas (Ionian University, Hellas), john@lis.upatras.gr