Personal and Ubiquitous Computing (ISSN: 1617-4909) Special Issue on
Cross-Community Mining

Introduction

People now live in heterogeneous social communities within cyber-physical spaces - both online communities and social networks where digital content is exchanged, and ad hoc physical communities that exploit opportunistic relationships between pairs of networked devices to exchange content.

These communities have distinct technical features which lead to distinct kinds of interaction - such as patterns of comments and likes in online communities and co-location in ad hoc communities, or issues of friendship, trust and influence in online communities and social popularity and movement patterns in ad hoc communities.

Rather than viewing online communities and ad hoc communities as competing, we see them as complementary and suggest that **cross-community mining (CCM)** can connect these two communities by revealing hidden knowledge about the interplay between different communities and patterns of social interaction within and between them.

This theme issue of Personal and Ubiquitous Computing provides the opportunity for researchers and product developers to review and discuss the state-of-the-art and trends of CCM techniques and applications. Papers on theoretical, practical, methodological issues in Cross-Community Mining are welcome.

Topics may include (but are not limited to):

- Inclusive Design Issues related to CCM
- Forming Online Communities with Knowledge from Ad hoc Community
- Enhancing Communications in Ad hoc Community with Online Community Knowledge
- Knowledge Integration/Transfer among Communities
- Infrastructure Support for CCM
  (managing heterogeneous/multi-dimensional data, seamlessly switch among distinct communities, etc.)
- Evaluation Metrics for CCM

Submissions

Manuscripts should be prepared and submitted by email to the Corresponding Guest Editor – Dr. Bin Guo. Please note in your cover letter the theme issue for which your submission is intended.

Note: Manuscripts must not have been previously published or be submitted for publication elsewhere. Each submitted manuscript must include title, names, authors' affiliations, postal and email addresses, an extended paper, and a list of keywords. For detailed format information, please refer to the author introduction at the PUC journal website: http://www.springer.com/computer/hci/journal/779

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Important Dates

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Notification of acceptance: 20 Oct., 2012

Camera-ready final paper due: 20 Nov., 2012

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