

Call for Papers

Special issue of the ACM Transactions on Intelligent Systems and Technology

Computational Models of Collective Intelligence in the Social Web

Over the recent years, the ubiquitous use of computers and the World Wide Web enabled people to participate and interact with each other in numerous Web communities, including forums, discussion groups, and social networks. Observing the user-generated content resulting from such interactions offers computer scientists unprecedented opportunities for studying the collective intelligence of online communities. To date, a considerable amount of research has been devoted to the social Web, but the fundamental mechanisms that govern the dynamics of online social interactions are yet to be understood.

We solicit submissions on the latest research in computational models of collective intelligence in the social Web. Topics of interest include, but are not limited to:

- Exploiting collective human intelligence in knowledge extraction and modeling;
- Knowledge inference from user-generated content in social networks;
- Modeling user behavior (including learning behavioral patterns from collective social media);
- Social behavior prediction;
- Computational models of social learning and social influence;
- Predictive social dynamics;
- Modeling complex social systems;
- Evolution models of social communities and social media;
- Large scale analysis of feedback and interaction logs;
- Opinion extraction and trend detection;
- Collaborative filtering in social networks.

Papers should be submitted through the Manuscript Central system (to be available in April, 2010) at <http://mc.manuscriptcentral.com/tist>. Please select “Special Issue: Computational Models of Collective Intelligence in the Social Web” as the manuscript type. Each paper will be reviewed by at least three expert reviewers. Further details on manuscript preparation as well as publication policies are available on the ACM TIST Web site at <http://tist.acm.org/authors.html>.

Guest Editors

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Important Dates

- Submission deadline: August 30, 2010
- Acceptance notification: November 30, 2010
- Camera-ready submission: February 15, 2011
- Publication Date: April/May 2011