

Third International Workshop on

Cooperative Internet Computing CIC 2004

CALL FOR PAPERS

Theme:
Collaborative Internet Learning

Hong Kong, China, 12 Dec. 2004
Held in conjunction with ISPA'04

Organized by Department of Computing,
The Hong Kong Polytechnic University

<http://www.comp.polyu.edu.hk/~cic2004>

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IMPORTANT DATES

Paper submission due:

24 Sept. 2004

Acceptance notification:

30 Oct. 2004

Camera ready due:

22 Nov. 2004

Cooperative computing aims at enabling different parties to work together towards a pre-defined non-trivial goal. In the past few years, the prosperity of cooperative computing has been accelerated by the ubiquity of the Internet and the advent of wireless technologies, giving rise to the new research discipline of Collaborative Internet Computing (CIC). At the same time, we have also witnessed an enormous leap in communication speed/bandwidth. This has opened up a wide range of new cooperative applications that were not feasible in the past.

One of the emergent applications is **Collaborative Internet Learning (CIL)**. In recent years, online education has become more and more popular, where the Internet has become a platform for delivering various kinds of courses. Traditional approaches, however, provide a passive and unidirectional learning environment only. Pedagogical studies have revealed that they may not yield the best learning outcome. Recently, researchers have advocated the use of collaborative learning, whereby students work together as a small group toward a common goal, like co-authoring a report or finishing a graphics design work. A critical success factor of collaborative learning is whether the students can interact freely, efficiently, and ubiquitously, so as to coordinate, plan, and help each other. Toward the aim of enhancing learning efficiency, CIC can contribute to the provision of a reliable, efficient, and accessible application middleware platform that can facilitate interaction between the students. With the huge market potential of online education, driven by the move of the world towards a knowledge-based community, we envision CIL to be one of the main foci of research of cooperative computing in the years to come. Therefore, stemming on the success of the previous two workshops on CIC, we organize the third CIC workshop, with a theme on CIL. The one-day workshop will feature papers on both the theoretical and technological aspects of CIC as well as their applications to CIL.

The topics of interest include, but are not limited to:

- Evaluation Methodologies
- Pedagogical Theories for CIL
- Interaction Models and Protocols for CIL Systems
- Innovative and Emergent CIL Applications
- Interoperability of CIL Systems
- Case Studies of CIL Systems
- Mobile Collaborative Learning
- Enterprise Knowledge Management
- Middleware for Collaborative Learning Systems
- Agents and Brokers for Cooperative Computing
- Human-Computer Interaction for Cooperation
- Cooperative Information System Architectures
- Internet Communication Infrastructure for Collaboration
- Computer Aided Design and Computer Aided Manufacturing
- Workflow Systems
- Distributed Multimedia Systems
- Computer-Supported Cooperative Work
- Java, CORBA, DCOM, and XML Cooperative Application

Submission guidelines:

Email your submission to: cic2004@comp.polyu.edu.hk. Submissions may be in PDF, PostScript, or MS Word format, and should include an abstract, key words, and the e-mail address of the corresponding author. The paper should not exceed 15 pages, including tables and figures. Hard copies will be accepted only if electronic submission is not possible. One author of each accepted paper is expected to present the paper at the workshop. Selected papers would be considered for publication in a special issue of a journal (under negotiation).