CALL FOR PAPERS
Coordination in Component-Oriented Systems
Architecture, Models, Languages, and Applications
http://www.laas.fr/~khalil/coord2001

a special session of
PDPTA'2001
June 25 - 28, 2001 Monte Carlo Resort, Las Vegas, Nevada, USA
http://www.ashland.edu/~iajwa/conferences/pdpta/

IMPORTANT DATES:
  Extended March 26, 2001: Draft papers (about 4 pages) due
  April 3, 2001: Notification of acceptance
  May 1, 2001: Camera-Ready papers & Prereg. due
  June 25 - 28, 2001: PDPTA'2001 Conference

SCOPE OF THE SESSION:

Component-based software is likely to be the most promising approach to making distributed systems and internet applications fit the requirements of the new information-based work organization. Component-based software encompasses many disciplines and application domains, such as groupware, distributed object-oriented software development, middleware, multimedia, CSCW, and distributed simulation. The main focus of this session is on coordination in component-based systems. Models, languages, and applications for both architectural and behavioral aspects of systems are of special concern.

The purpose of this session is to bring together researchers and practitioners working on coordination in these different disciplines. The session serves as a forum to enable exchange of experience between academia and industry, as well as between researchers working on different aspects of coordination.

Topics of interest include (but are not limited to):
1. group communication and inter-agents cooperation protocols.
2. Theoretical aspects and foundations for coordination: semantics, verification, component composition, dynamic aspects of coordination.
3. Functional and non-functional properties of coordination.
4. Formal and semi-formal techniques for coordination description and analysis.
5. Modeling of Information Systems (Groupware, Internet and the Web, workflow management, CSCW and multimedia applications)
6. Coordination, architectural, and interface definition languages: implementation, interoperability, heterogeneity.
7. Agent-oriented languages: formal models for interacting agents.
8. Coordination Patterns (Mobile Computing, Internet Computing).
9. Tools and environments for the development of coordinated applications: integration within the development process.
10. Dynamic architecture management for multi-component applications
11. Industrial relevance of coordination and software architectures: programming in the large, domain-specific software architectures and coordination models, case studies, performance.

SUBMISSION OF PAPERS:

Prospective authors are invited to submit three copies of their draft paper (about 4 pages) to one of the session co-chairs (addresses below) by the due date. E-mail submissions are encouraged. The length of the Camera-Ready papers (if accepted) will be limited to 7 pages. Papers must not have been previously published or currently submitted for publication elsewhere. ,The first page of the draft paper should include: title of the paper, name, affiliation, postal address, E-mail address, telephone number, and Fax number for each author. The first page should also include the name of the author who will be presenting the paper (if accepted) and a maximum of 5 keywords.

Submissions should explicitly state their contribution and their relevance to the themes of the session. Other criteria for selection will be originality, significance, correctness, and clarity. All accepted papers are expected to be presented at the conference.

EVALUATION PROCESS:

Papers will be evaluated for originality, significance, clarity, and soundness. Each paper will be refereed by at least two researchers in the topical area. The Camera-Ready papers will be reviewed by a reviewer to ensure expected quality and compliance with the reviewer comments.

PUBLICATION:

The conference proceedings will be published by CSREA Press (ISBN). It will be a multivolume set. The proceedings will be available at the conference. http://www.ashland.edu/~iajwa/conferences/pdpta/

SESSION CO-CHAIRS CONTACTS:

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