

Call for Papers

Journal of Universal Computer Science

Special Issue on

Distributed Development of Information System



The distributed development of information systems as well as their deployment and operation in distributed environments impose new challenges for software organizations and can lead to business advantages. In distributed environments, business units collaborate across time zones, organizational boundaries, work cultures and geographical distances, something that ultimately has led to an increasing diversification and growing complexity of cooperation among units. The real-world practice of developing, deployment and operation of information systems in globally distributed projects has been viewed from various perspectives, though technical and engineering in conjunction with managerial and organizational viewpoints have dominated the researcher's attention so far. Successful participation in distributed environments, however, is ultimately a matter of the participants understanding and exploiting the particularities of their respective local contexts at specific points in time and exploring practical solutions through the local resources available.

Suggested topics, this special issue will endeavor, include (but are not limited to) the following:

- Distributed development of information systems
- Software engineering methodologies and processes for distributed development of information systems
- Agile methods for distributed development of information systems
- Information system architectures suited for distributed development
- Organizational and business views
- Strategic issues in distributed development of information system
- Management of risks such as organizational and cultural differences
- Task allocation in distributed development of information system
- Communication and collaboration in globally distributed teams
- Knowledge transfer, knowledge management strategies and informal sharing in distributed development of information systems
- Impact of cultural and geographical differences in distributed development of information system
- Cognitive issues in distributed development of information systems, their deployment and operation
- Empirical evaluations of effectiveness of distributed information systems projects
- Infrastructure required for distributed information systems

- Methods and tools for distributed information systems: requirements engineering, architecture, design, coding, verification, testing and maintenance
- Quality, process and configuration management for distributed information systems

SUBMISSION GUIDELINES

All submitted papers will be carefully evaluated based on originality, significance, technical soundness, and clarity of expression. All submissions must be in English, formatted according to the guidelines of Journal of Universal Computer Science (JUCS), and submitted as pdf-files. The submission guidelines can be found at <http://www.jucs.org/ujs/jucs/info/submissions>

Manuscripts should be submitted by email to any of the guest editors.

IMPORTANT DATES

Submission Deadline: November 30th, 2010

Notification of First Round Reviews: January 31st, 2011

Submission of the special issue to the publisher: April, 2011

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