



CALL FOR PAPERS
Concurrency and Computation: Practice and Experience Journal
SPECIAL ISSUE ON
Context-Aware Systems and Applications

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Overview:

Context awareness (CA) refers to systems can both sense and react based on their environment. The systems may have information about the circumstances under which they are able to operate and adapt their behavior accordingly based on rules or an intelligent stimulus. Such systems are a component of a mobile computing environment.

Currently context has been considered as part of a process in which users are involved, hence specifying and developing context models are needed to support context-aware applications to (a) adapt interfaces, (b) tailor the set of application-relevant data, (c) increase the precision of information retrieval, (d) discover services, (e) make the user interaction implicit, or (f) build smart environments. Context related to human factors is structured into three categories: (a) information on the user, (b) the user's social environment, and (c) the user's tasks. Likewise, context related to physical environment is structured into three categories: (a) location, (b) infrastructure, and (c) physical conditions.

Context-aware systems are concerned with the acquisition of context, the abstraction and understanding of context, and application behavior based on the recognized context. In some applications, as the user's activity and location are crucial, context awareness has been concentrated more deeply on location awareness and activity recognition. Three important aspects of context are: (a) where you are; (b) who you are with; and (c) what resources are nearby.

This special issue on Context-Aware Systems: and Applications in the Concurrency and Computation: Practice and Experience Journal is a place for highly original ideas about how CA is going to shape computing systems of the future. Hence, it focuses on rigorous approaches and cutting-edge solutions which break new ground in dealing with the properties of CA. Its purpose is to make a formal basis more accessible to researchers, scientists, professionals and students as well as developers and practitioners in computer science by providing them with state-of-the-art research results and future opportunities and trends.

Topics

Topics of interest include, but are not limited to, the following scope:

<ul style="list-style-type: none">- Context-aware formal models and methods- Context-aware algorithms and mechanisms- Context-aware properties in computing systems- Design and performance issues of CA- Tools, testbeds and deployment issues of CA	<ul style="list-style-type: none">- Real-world applications/implementations and standardization of CA- Socially-inspired, game theoretic and other metaphor-driven interdisciplinary approaches to CA of computing systems
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Important Dates:

- **Manuscript submission deadline: September 17, 2018**
- Notification of acceptance: November 17, 2018
- Submission of final revised paper: December 17, 2018
- Publication of special issue (tentative): Early 2019

Submission Procedure:

Authors of selected best accepted and presented papers at ICCASA 2018 - 7th EAI International Conference on Context-Aware

Systems and Applications (<http://iccasa.org>) will be invited to submit an extended version to the Concurrency and Computation: Practice and Experience Journal. Authors should follow the Concurrency and Computation: Practice and Experience Journal manuscript format described at the journal site <https://onlinelibrary.wiley.com/page/journal/15320634/homepage/forauthors.html>. Manuscripts should be submitted on-line through <https://mc.manuscriptcentral.com/cpe>. A copy of the manuscript should also be emailed to the following email: pcvinh@ntt.edu.vn.

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