

***The 36th Annual International Computer Software and Applications
COMPSAC 2012(www.compsac.org), 16-20 July 2012, Izmir, Turkey***

Call for Papers

***The 1st IEEE Workshop on
Modeling and Verifying Distributed Applications
(MVDA 2012)***

Purpose of the Workshop

Distributing service applications among networks of computers offers many potential benefits. However, implementing robust, efficient, and extensible distributed applications is more complex than building stand-alone applications. A significant portion of this complexity is due to the fact that developers must consider new design alternatives and must acquire many new skills. The problem of building such applications requires finding and orchestrating appropriate services that are frequently non trivial for a developer. This is due to the very large number of available services and the different possibilities for constructing an application from matching services. We need an abstract view of the application using modeling approaches. This abstraction allows in one hand the reuse of the elaborated application and on the other hand reduces the complexity and saves the users from the detail of the low level of the environment. Proposed modeling approaches need a standard verification step against required properties to analyze and correct built applications as early as possible in order to avoid any costly maintenance delays due to runtime errors.

Topics of Interest

Papers may address one or more of the topics listed below. Unlisted but related topics are also acceptable, provided they fit in one of the following main areas:

- Architecture and design principles for distributed applications
- Models and frameworks for distributed applications
- Methods, processes and patterns for developing distributed applications
- Modeling formalisms, languages and notations for service workflow applications
- Tools, techniques and methodologies for verifying distributed application models

Participants

Software engineers, researchers, developers and practitioners in the area of distributed applications

Paper Submission

Papers, not longer than 6 pages, must be submitted electronically via the MVDA2012 Submission Page (will be available later). The format of submitted papers should follow the guidelines for the IEEE conference proceedings. All papers will be carefully reviewed by at least three reviewers.

Accepted papers will be published in the electronic proceedings by IEEE Computer Society. In order to enable indexing through INSPEC and EI Index, and inclusion in the IEEE digital library, at least one of the authors of each accepted paper must register as a participant of the workshop and the paper must be presented in person by one of the authors.

Workshop Chairs

Leila Jemni Ben Ayed Laboratory LaTICE – University of Tunis, Tunisia
Fevzi Belli University of Paderborn, Germany

Organizers

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Program Committee (incomplete)

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- **Jamal Bentahar** (Concordia University -Montréal- Canada)
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- **Mohamed Moez Yeddes** (University of la Manouba – Tunisia)
- **Hamdi Yahyaoui** (Kuwait University, State of Kuwait)

Important Dates

March 15, 2012: Workshop paper submission deadline
April 15, 2012: Acceptance notification
May 02, 2012: Camera-ready copy and registration due