

Title : The 2nd IEEE Workshop on *Modeling and Verifying Distributed Applications* (MVDA 2013)

Workshop Co-Chairs:

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Purpose of the Workshop:

Distributing applications and service applications among networks of computers offer 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. In addition, we need an ontological description to retrieve and compose automatically this kind of applications. 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
- Ontological mapping,
- Similarity of ontologies
- Model Driven Engineering

- Semantic composition
- Model driven composition
- Modeling formalisms, languages and notations for service workflow applications
- Tools, techniques and methodologies for verifying distributed application models

Program Committee (incomplete)

Tolga Ayav (Izmir Institute of Technology – Turkey)
Hanen Ben Abdallah (University of Sfax, Tunisia)
Lee Moon-Kun (Chonbuk National University- Korea)
Eun-Sun Cho (Chungnam National University – Korea)
Jamal Bentahar (Concordia University -Montréal- Canada)
Ahmed Hadj Kacem (University of Sfax – Tunisia)
Christine Choppy (Laboratory LIPN – University of Paris Nord, France)
Mohamed Jemni (Laboratory LaTICE, University of Tunis, Tunisia)
Mohamed Jmaiel (University of Sfax – Tunisia)
Afef Kacem (Laboratory LaTICE, University of Tunis, Tunisia)
Ali Mili (New Jersey Institute of Technology - USA)
Zakaria Maamar (Zayed University, Dubai-United Arab Emirates)
Sandeep Shukla (Virginia Polytechnic and State University in Blacksburg – USA)
Issam Mabrouki (Tunisia Polytechnic School-University of Carthage, Tunisia)
Daniel Calegari Garcia (Instituto de Computación Facultad de Ingeniería, Uruguay)
Sofiene Tahar (Concordia University -Montréal- Canada)
Mohamed Moez Yeddes (University of la Manouba – Tunisia)
Hamdi Yahyaoui (Kuwait University, State of Kuwait)

Important Dates:

Mars 20, 2013: Workshop paper submission deadline
 April 21, 2013: Acceptance notification
 May05, 2013: Camera-ready copy and registration due

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 MVDA2013 Submission Page. 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.

Expected number of workshop sessions:

3 sessions

Information on the previously organized Workshops .

The first IEEE Workshop on Modeling and Verifying Distributed Applications, MVDA2012
(17 submissions, 11 accepted, 64,7%)