

Special Session on
“Agent Modeling, Distributed Simulation & Performance
Evaluation Frameworks for Production System Networks
Management”

for **MOSIM'10**

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<http://www.enim.fr/mosim10>

Session Chair(s)

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Session Description

The globalized and distributed economic activity, in design and production of manufactured goods or services fields, brings about new collaboration approaches between partners. In this latest context, the Modeling and Distributed Simulation can capture the strong requirement of autonomy of enterprises interoperating in networks behavior and it can support to validate these collaborations. In more detail, this session is open to conceptual contribution of “Networking Enterprise” modeling, model transformation methodology: from conceptual level (e.g. GRAI, CIMOSA, Business models, Workflow) to simulation (e.g. based on Agents paradigm, Object programming, Discrete Event...). Researches focused on integrating the networking enterprises partners' distribution constraints in models are welcome. The second field of contribution can consist in dissemination on concrete platforms development for interoperable distributed simulation of highly autonomous (weakly coupled) enterprise systems networks. At the end, researches on methods and implementations to evaluate performances of distributed enterprise systems networks are also strongly wanted.

Session Topics

This special session will cover:

- Agent Modeling and Simulation Platform of Production and Distribution Systems
- Distributed Simulation of Production, Distribution and Workflow Systems
- Performance Evaluation of the Networks of Distributed Systems
- Enterprise Modeling Methods in simulation: Tools and frameworks
- Synchronization and Interoperability of Distributed Enterprise Models
- Model Driven Architectures (MDA) and Model Driven Interoperability (MDI)
- Reasoning methods and tools for models transformation and data reconciliation.

Submission: Authors are requested to provide a full paper of 10 pages maximum written in English or French, in accordance with the template format of the conference. The authors are requested to submit their draft papers online and select the proper special session at <http://www.enim.fr/mosim10>

Important dates:

- October 31st, 2009:** deadline for paper submission
- January 29th, 2010:** notification of acceptance/reject
- February 26th, 2010:** deadline for final paper submission