Special Session Proposal
On
“Enterprise Integration and Interoperability”

Special Session Organizers

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>e-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athanasios Kalogeras</td>
<td>Industrial Systems Institute Research Centre ATHENA Greece</td>
<td><a href="mailto:kalogeras@isi.gr">kalogeras@isi.gr</a></td>
</tr>
<tr>
<td>Thilo Sauter</td>
<td>Austrian Academy of Sciences Austria</td>
<td><a href="mailto:Thilo.Sauter@oeaw.ac.at">Thilo.Sauter@oeaw.ac.at</a></td>
</tr>
<tr>
<td>Vesna Mandic</td>
<td>University of Kragujevac Serbia</td>
<td><a href="mailto:mandic@kg.ac.rs">mandic@kg.ac.rs</a></td>
</tr>
</tbody>
</table>

Topics

The enterprise / industrial environment is characterized by a high degree of heterogeneity of participating components, systems and applications. Interoperability in such environments is a challenge that needs to be addressed. Intra-enterprise interoperability represents the need for different components / systems to interoperate independently of the different layers of the enterprise / industrial hierarchical architecture that they may reside on. Modeling the industrial / enterprise environment is the first step towards Enterprise Interoperability. Integrated Modeling of Products, Processes and Resources is also required. Inter-enterprise interoperability represents the need for different enterprises / industries to undertake parts of the same process making available their resources / systems to this end. Intra-enterprise interoperability is usually a prerequisite for Inter-enterprise interoperability at least in collaborative manufacturing paradigms.

The Special Session will focus on (but is not limited to) the following topics:
- Model Driven Interoperability
- Product, Process and Resource Modeling
- Enterprise / Industrial Environment Semantics and Description Languages
- Middleware for the Industrial / Enterprise Environment
- Service Oriented Architectures
- Multi Agent Systems
- Mass Customization Application Enabling Technologies
- Collaborative Business / Collaborative Manufacturing
- Internet of Services, Services and Semantics
- Advanced Business Application Enabling Technologies, e.g. Integrated Supply Chain Management, Virtual / Extended Enterprise