

**Call for Paper**  
**IEEE Internet Computing**  
**Special Issue on "Service Mashups"**

**Guest Editors:**

Djamal Benslimane, LIRIS Lab, University of Lyon, France  
Schahram Dustdar, Vienna University of Technology, Austria  
Amit P. Sheth, Wright State University, USA

**Overview:**

The topic of this special issue concerns the design and the development of novel and modern Web applications based on easy to accomplish end-user composition of services. Combining Web service technologies (WSDL, UDDI, SOAP) with fresh content, collaborative approaches (e.g., Web 2.0), and possibly including semantic technologies (RSS, RDFa, SPARQL ) is an exciting challenge for both, academic and industrial researchers.

This special issue seeks original articles on service mashups in the context of service oriented (Web services) applications. The Internet and the related technologies have created an interconnected world in which information can be exchanged easily, tasks can be processed collaboratively, communities of users with similar interests can be formed to achieve efficiency and improve performance. In this context, service mashups which is an information sharing and aggregation to support content publishing for new modern Web application become an important issue. New technologies were recently developed to provide powerful ways to represent fresh contents such as Really Simple Syndication (RSS), microformats, RDFa, and possibly including semantic technology standards (e.g., RDF, RDFS, OWL, SWRL, and SPARQL). Web services are also nowadays emerging as a major technology for deploying automated interactions between distributed and heterogeneous applications. Various standards support this deployment including WSDL, UDDI, and SOAP. These standards respectively support the definition of Web services, their advertisement to the community of potential users, and finally their binding for invocation purposes.

Papers describing advanced research and experience on service mashups based on Web services technologies are being solicited. This special issue will include, but is not limited to:

- Mashups examples and experience (design, architecture, implementation, usability and user-experience)
- (Dynamic) Languages, frameworks, and (runtime) platforms for the design, implementation, testing and maintenance of Web APIs and services mashups
- Analysis of and experience with services mashups (creation, deployment, and usage) from social and economical perspectives
- Web 2.0 based mashups
- Case studies on service-based semantic mashups
- Quality of services mashups: reliability, security, and other non-functional aspects
- Data Integration for the service mashups
- Service mediation for the Semantic Web application
- Web 2.0, semantics and service-oriented architecture (SOA)
- Mashups in mobile applications

**Submission Guidelines:**

Authors are invited to submit original papers using the journal Web site. Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. As an author, you are responsible for understanding and adhering to IEEE Internet Computing submission guidelines.

All submissions must be 5,000 words or less, including full text, abstract, keywords, bibliography, biographies, table text, and 250 words for each figure.

Overlength manuscripts will be rejected without review, pending resubmission. Acceptance will be based on relevance, technical soundness, originality,

and clarity of presentation. For further information on submission, please contact the guest editors.

**Important Dates:**

- Paper submission deadline: Januray 15, 2008
- First decision from GEs: March 3, 2008
- Revised versions due from authors: April 7, 2008
- Final decisions due: June 2, 2008
- Articles due into pubs office for editing: June 16, 2008
- Publication date: August 14, 2008