



**Call for Papers  
for the Workshop on  
Security for Web Services and Service-Oriented Architectures**

<http://swsoa.comsys.informatik.uni-kiel.de>

to be held on September 11th, 2008 at the  
**Informatik 2008**  
38. Jahrestagung der Gesellschaft für Informatik  
08.-13.09.2008, Munich, Germany

### **Workshop Topic**

Web Services are regarded as the premier building blocks of Service-Oriented Architectures (SOA). Founding on specifications for basic communication patterns and message syntax, a lot of additional Web Service specifications that address non-functional requirements have been introduced. The most relevant specifications for these non-functional requirements deal with security aspects of Web Services, like confidentiality and integrity of Web Service messages (e.g. WS-Security), authorization and access control issues (XACML), or definition of security policies (WS-SecurityPolicy).

The existing Web Service specifications offer new perspectives to solve long-standing open problems in IT security, e.g. machine readable descriptions of security policies (WS-Policy) or broad interoperability of cryptographic technologies (WS-Trust). This is, however, achieved by dramatically increasing the semantic complexity of the cryptographic data formats (e.g. XML Signature): As attacks described by Austel and McIntosh from IBM TJ Watson have shown, a Boolean function is no longer sufficient to check the validity of digital signatures.

Further, there are security-related issues that are not covered by the existing specifications. For example, availability considerations for Web Services and security support for Web Service compositions did not receive broad attention yet. Especially the emerging approach of realizing business processes with Web Services (e.g. using WS-BPEL) imposes the necessity for security considerations at the process level in addition to security at the messaging level. Process level security is yet an open issue, both in terms of Web Service specifications and research.

The target of this workshop is to bring together researchers and industry practitioners that are engaged in all kinds of security issues related to Web Services, Web Service compositions and Service-Oriented Architectures in general. It is intended to be a forum for presenting and exchanging new ideas, discussing security problems with existing specifications and exploring new fields in the area of enabling security, privacy and trust for Web Services and Service-Oriented Architecture.

Contributions may cover, but are not limited to the following topics:

- Issues of WS-Security and related specifications
- Availability considerations for Web Services
- Security for Web Service compositions and business processes
- Authentication and authorization for Web Services and SOA
- Web Service trust management
- Privacy and digital identities in SOA
- Cryptographic support for Web-Service-based communication
- Security issues of semantic Web Services
- Software architectures for secure SOA applications
- Case studies in SOA security

## Submission Guidelines

Accepted papers will be published in the proceedings of the main event (INFORMATIK2008 proceedings), so all submissions must follow the GI author guidelines found at

<http://www.gi-ev.de/fileadmin/redaktion/Autorenrichtlinien/guidelines.pdf>

LaTeX and Word style templates can be found at

[http://www.gi-ev.de/fileadmin/redaktion/2005\\_LNI/PDF/LNILaTeX-Vorlage.zip](http://www.gi-ev.de/fileadmin/redaktion/2005_LNI/PDF/LNILaTeX-Vorlage.zip)  
<http://www.gi-ev.de/fileadmin/redaktion/Autorenrichtlinien/LNI-word-vorlage.doc>

Authors of accepted papers are required to agree to the GI Granting of Rights at

<http://www.gi-ev.de/fileadmin/redaktion/Autorenrichtlinien/copyright-lni-en.pdf>

We solicit papers with a maximum of 6 pages, containing new material. Submissions must be in English, must be original, and must not have been submitted for publication elsewhere. Accepted papers can only be included in the proceedings if the authors give a presentation at the workshop (in English). Submissions must be in PDF format only, and is done using the workshop submission system as described at <http://swsoa.comsys.informatik.uni-kiel.de>.

## Important Dates

Paper submissions due: ..... 21. April 2008  
Acceptance Notification: ..... 2. June 2008  
Camera ready version due: ..... 16. June 2008  
SWSOA Workshop: ..... 11. September 2008

## Workshop Organization

- Norbert Luttenberger, University of Kiel
- Meiko Jensen, University of Kiel

## Workshop Program Committee

- Norbert Luttenberger, University of Kiel (chair)
- Johann Bizer, Dataport
- Anis Charfi, SAP Research
- Ernesto Damiani, University of Milan
- Torben Dziuk, Totemo AG
- Stefan Fischer, University of Lübeck
- Rüdiger Grimm, University of Koblenz
- Nils Gruschka, University of Kiel
- Günter Müller, University of Freiburg
- Joachim Posegga, University of Hamburg
- Jörg Schwenk, University of Bochum
- Andreas Speck, University of Kiel
- Peter Sturm, University of Trier
- Thomas Wilke, University of Kiel