The Third International Workshop on RESTful Design (WS-REST 2012) aims to provide a forum for discussion and dissemination of research on the emerging resource-oriented style of Web service design.

Over the past years, several discussions between advocates of the two major architectural styles for designing and implementing Web services (the RPC/ESB-oriented approach and the resource-oriented approach) have been mainly held outside of the traditional research and academic community. Mailing lists, forums and developer communities have seen long and fascinating debates around the assumptions, strengths, and weaknesses of these two approaches. The RESTful approach to Web services has also received a significant amount of attention from industry as indicated by the numerous technical books being published on the topic. This third edition of WS-REST, colocated with the WWW2012 conference, aims at providing an academic forum for discussing current emerging research topics centered around the application of REST, as well as advanced application scenarios for building large scale distributed systems.

In addition to presentations on novel applications of RESTful Web services technologies, the workshop program will also include discussions on the limits of the applicability of the REST architectural style, as well as recent advances in research that aim at tackling new problems that may require to extend the basic REST architectural style. The organizers are seeking novel and original, high quality paper submissions on research contributions focusing on the following topics:

- Applications of the REST architectural style to novel domains
- Design Patterns and Anti-Patterns for RESTful services
- RESTful service composition
- Testing RESTful services (methods and frameworks)
- Inverted REST (REST for pushing events)
- Integration of Pub/Sub with REST
- Performance and QoS Evaluations of RESTful services
- REST compliant transaction models
- Mashups
- Frameworks and toolkits for RESTful service implementation
- Frameworks and toolkits for RESTful service consumption
- Modeling RESTful services
- Resource Design and Granularity
- Evolution of RESTful services
- Versioning and Extension of REST APIs
- HTTP extensions and replacements
- REST compliant protocols beyond HTTP
- Multi-Protocol REST (REST architectures across protocols)

All workshop papers are peer-reviewed and accepted papers will be published as part of the ACM Digital Library. Two kinds of contributions are sought: short position papers (not to exceed 4 pages in ACM style format) describing particular challenges or experiences relevant to the scope of the workshop, and full research papers (not to exceed 8 pages in the ACM style format) describing novel solutions to relevant problems. Technology demonstrations are particularly welcome, and we encourage authors to focus on lessons learned rather than describing an implementation. Original papers, not undergoing review elsewhere, must be submitted through EasyChair http://www.easychair.org/conferences/?conf=wsrest2012

Program Committee Chairs
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- Erik Wilde, EMC, USA
- Rosa Alarcon, Computer Science Department, Pontificia Universidad de Chile, Chile

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- Richard Taylor, UC Irvine, USA
- Stefan Tilko, innoQ, Germany
- Steve Vinoski, Verivue, USA
- Olaf Zimmermann, ABB Research, Switzerland

Important Dates
- Abstract Submission: 3. February 2012
- Paper Submission: 10. February 2012


ws-rest@lists.berkeley.edu