*** Call for Papers ***
Springer Journal of Grid Computing
Special Issue on Service and Cloud Based Data Integration
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Integration and synthesis of heterogeneous, autonomous and distributed data sources have been an essential and hard issue in enterprise computing, scientific computing and social computing. It is not always feasible to achieve effective data integration around definite schemas when there are mismatches in cross-domain integration and when such issues as compatibility, scalability, timeliness, and user manipulation are concerned. Many traditional data integration approaches/frameworks begin to show their limitations, especially when dealing with situations like data deluge and data source evolution. Service Oriented Architecture, Cloud computing and Web 2.0 techniques have brought light to dealing with these hard issues. Recent years have seen some important progresses and potentials. Some "Data as a Service" applications target fast, on-demand data integration and latest data provisioning. Meanwhile, SOA is being employed by many large projects to deal with data collection, integration and discovery challenges across data repositories.

The Special Issue on Service and Cloud Based Data Integration will provide the scientific and industrial community a dedicated forum, within the prestigious Springer Journal of Grid Computing, for presenting novel models, methodologies, and solution patterns that address the data integration issue and fit in the service and cloud based settings. This special issue will focus on the use of service and/or cloud based technologies to meet the new data integration challenges that are not well served by the current approaches. We believe this venue will be an excellent place to help researchers, practitioners and vendors in this community show latest progresses, determine future goals, and present techniques for future development of data integration.

Topics of interest include, but are not limited to, the following:
- Service Abstraction and Virtualization for Distributed Data Integration
- Modeling and Composition of Data Services
- Scalability, Reliability and other Quality Assurance of Data Integration
- Correctness Verification and Freshness of Distributed Data Integration Results
- Performance Analysis and Optimization of Distributed Data Integration Process
- Agile and Ad-hoc Integration of Heterogeneous Data Sources
- Automatic Tracing and Response of Changes and Updates
- Real-time Integration and Processing of Large-scale Sensor Data
- Enterprise Mashup
- User-friendly Mashup of Distributed Data Sources
- Data Flow Modeling and Management in Cloud
- Cloud-based Architectures for Distributed Data Integration
- Applications of SOA and Cloud Infrastructure in Data Integration

Important Dates
- Papers Due: October 15, 2012
- First Round Decisions: January 15, 2013
- Major Revisions if needed: March 1, 2013
- Second Round Decisions: April 15, 2013
- Minor Revisions if needed: June 1, 2013
- Final Decision: July 1, 2013
- Publication Date: September 2013

Paper Submission
Authors are invited to submit original and unpublished technical papers. All submissions will be peer-reviewed and judged on correctness, originality, technical strength, significance, quality of presentation, and relevance to the special issue topics of interest. Submitted papers may not have appeared in or be under consideration for another workshop, conference or a journal, nor may they be under review or submitted to another forum during the review process. Submitted papers may not exceed 20 single-spaced double-column pages using 10-point size font on 8.5x11

inch pages (1" margins), including figures, tables, and references. Note that accepted papers will likely be between 15 to 20 pages, depending on a variety of factors. For more information for preparing the submitted papers, please see http://www.springer.com/computer/communication+networks/journal/10723, under "Instructions for Authors". The papers (PDF format) must be submitted online at http://grid.edmgr.com/ before the deadline. Please specify the article type to be 'special issue: data integration' when submitting the paper on the website. For any questions on the submission process, please email the guest editors at jgc.csdi.2013@gmail.com.

Special Issue Guest Editors
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