CALL FOR PAPERS

SSDBM 2013: 25th International Conference on Scientific and Statistical Database Management
July 29-31, 2013, Baltimore, Maryland, USA

http://ssdbm2013.org

The SSDBM international conference brings together scientific domain experts, database researchers, practitioners, and developers for the presentation and exchange of current research results on concepts, tools, and techniques for scientific and statistical database applications. The 25th SSDBM will provide a forum for original research contributions and practical system design, implementation and evaluation. The rich program of the research track will be supplemented with invited talks, panel sessions, case-study papers, and illustrated demonstrations of research prototypes and industrial systems.

TOPICS OF INTEREST

- Modeling and representation of data, metadata, ontologies, and processes, e.g., array-based data models
- Integration and exchange of data, including the federation and management of institutional data repositories
- Design, implementation, optimization of scientific workflows
- Cyberinfrastructure for scientific computing and eScience
- Data intensive and Cloud computing
- System architectures in support of scientific and statistical data management and analysis, e.g., multi-core, GPUs
- Querying of scientific data, including spatio-temporal and streaming data
- Annotation and provenance of data
- Mining and analysis of large-scale datasets
- Security and privacy
- Visualization and exploration
- Data support, case studies, and applications – particularly for grand challenge science questions, e.g., sustainability, global climate change

SUBMISSION GUIDELINES

Proceedings will be published in the ACM International Conference Proceedings Series.

We solicit papers describing original work relevant to the management of scientific and statistical data and not published or under review elsewhere. SSDBM submissions can be of four kinds:

- **Research papers (long and short)**: We solicit both full papers (12 pages) and short papers (4 pages). The former will tend to be descriptions of complete technical work, while the latter will tend to be descriptions of interesting, innovative ideas, including visions for interesting research challenges for the community.

- **Case-studies**: We solicit full-length, 12-page papers, which describe, applications of existing technologies to interesting science problems, including a description of the encountered challenges, how they were overcome, and the lessons learned.

- **Demonstration papers**: We solicit demo submissions (4 pages in length) which should provide the motivation for the demonstrated concepts and a description of the technology and the system to be demonstrated (including a system description, functionality and figures when applicable), and should state the significance of the contribution.

Important Dates:

Feb. 26: Abstracts
Feb. 26: Papers
April 22: Notification
May 20: Camera ready

(See CMT site for times)

General Chairs:
Alex Szalay
Tamas Budavari
The Johns Hopkins University
{szalay,budavari}@jhu.edu

Program Chair:
Magdalena Balazinska
University of Washington
magdalena.washington.edu

Demonstration Chair:
Alexandra Meliou
U. of Massachusetts at Amherst
ameli@cs.umass.edu

Proceedings Chair:
Ahmet Sacan
Drexel University
ahmetmsacan@gmail.com

Gold Sponsor:
Microsoft Research

Silver Sponsors

Tableau
Paradigm4
SciDB
Ides