

24th International Conference on Scientific and Statistical Database Management



Chania, Crete, Greece – June 25-27, 2012

Scope

The SSDBM international conference will bring together scientific domain experts, database researchers, practitioners and developer for the presentation and exchange of current research on concepts, tools and techniques for scientific and statistical database applications. The 24th 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 and panel sessions, as well as illustrated demonstrations of research prototypes and industrial systems.

SSDBM 2012 will continue the tradition of past SSDBM meetings in providing a stimulating environment to encourage discussion, fellowship and exchange of ideas in all aspects of research related to scientific and statistical database management in beautiful Chania, Crete.

Topics

We solicit full papers (up to 18 pages LNCS style) describing original work relevant to the management of scientific and statistical data and not published or under review elsewhere. We also solicit demonstration papers on innovative systems and applications. Papers selected after peer review will be included in the conference proceedings and presented at the conference. Topics of particular interest include (but are not limited to):

- * 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 spatial, temporal, 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

Important Dates	January 13 Paper abstracts due
	January 20 Research and Demonstration papers due
	March 29 Notifications to authors
	April 16 Camera-ready papers due

Organizing Committee

General and Local Organizations Chair:
Michalis Hatzopoulos, UOA, Greece
Program Chair:
Anastasia Ailamaki, EPFL, Switzerland
Demonstrations Chair:
Ioana Manolescu, INRIA, France

Steering Committee

Arie Shoshani, Lawrence Berkeley National
Laboratory (Chair)
Marianne Winslett, University of Illinois
Michael Gertz, University of Heidelberg
Judith Cushing, The Evergreen State College
James French, CNRI and University of Virginia