19th International Conference on
Scientific and Statistical Database
Management

July 9-11, 2007, Banff, Canada
http://ssdbm2007.cpsc.ucalgary.ca/

SSDBM 2007 will bring together scientific
domain experts, database researchers,
practitioners, and developers for the
presentation and exchange of current research
concepts, tools, and techniques for scientific
and statistical database applications.

The 19th SSDBM conference provides a forum for original research contributions and practical
system design, implementation, and evaluation. In keeping with the mission of the Department of
Computer Science at the University of Calgary, this year’s conference will focus on
applications of scientific and statistical databases to Scientific and Statistical Computing,
including: Exploratory Analysis, Mining, and Modeling of Scientific Data; Stream Data
Management and Sensor Networks; Temporal, Spatial, Spatio-temporal, and Multimedia databases;
Publish/Subscribe Systems and Data Dissemination Systems; Web Data Management; Ubiquitous Data
Management and Mobile Databases; Database Applications and Experiences; Hardware-conscious
Scientific Database Systems.

In addition to this year’s focus areas, SSDBM
2007 invites original research contributions
in any area related to scientific and
statistical database management, including:
• Conceptual models for scientific databases
• Data modeling and representation standards
• Experiment data management
• Very large databases
• Performance evaluation
• Scientific visualization
• Indexing and query optimization
• Managing scale and complexity in databases
• Multimedia content retrieval
• Metadata management
• System architectures

Short papers discussing new ideas or work at
an early stage are also invited.

The conference will feature invited talks and
poster sessions of short papers.

SSDBM 2007 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.

A selected list of papers accepted to SSDBM
2007 will be invited to a special issue of
the Information Systems Journal.

Important Dates
• Jan. 5, 2007 Submission of abstracts
• Jan. 12, 2007 Submission of full papers
• Mar. 7, 2007 Notification of acceptance
• Apr. 6, 2007 Final papers submission

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