CALL FOR PAPERS
16th International Conference on Software Engineering and Data Engineering
July 9-11, 2007, Las Vegas, Nevada

Sponsored by the International Society for Computers and Their Applications (ISCA)

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The 16th SEDE Conference seeks high quality submissions in all areas of Software Engineering (SE) and Data Engineering (DE). This year the conference puts special emphasis on the impact of parallel computing on software engineering and data engineering. Applied case studies will report on exemplary solutions deployed in industries like automotive, aerospace, telecommunications and finance. In the SE section, particular emphasis will be placed on techniques for software specification and design of software/hardware components and the modeling of system architectures. In the DE section, the emphasis this year is on high performance algorithms that learn patterns from large volumes of data, learn and predict events, adapt to situations, rationalize, provide autonomous control, and assist in executive decision-making. The conference also includes a BEST PAPER AWARD. The conference will cover a broad range of topics including, but not limited to, the following topics.

**Software Engineering**
- Software Modeling, Development, & Maintenance
- Software requirements Engineering
- Software Verification and Model Checking
- Reengineering and Reverse Engineering
- AI and Knowledge based software engineering
- Formal and Semiformal Methods
- Object-Oriented and Model-Driven Techniques
- Service- and Aspect-Oriented Techniques
- Web Engineering and Agents
- Programming and Description Languages
- Software Quality and Software Metrics
- Software Security, Safety, Reliability
- Software Components & Software Architectures
- Process, Project Management
- Human Computer Interaction
- Internet and Information Systems Development
- Software Engineering Education
- Applications and Case Studies

**Data Engineering**
- Distributed, parallel, and Peer to Peer database
- Semi-structured data and XML database
- Data Integration, Interoperability, and Metadata
- Data Mining: traditional, large-scale, parallel data mining
- Ubiquitous Data Mgmt. and Mobile Database
- Data Privacy and Security
- Scientific and Biological Databases and Bioinformatics
- Data Grids, Data Warehousing, OLAP
- Temporal, Spatial, sensor, and Multimedia database
- Taxonomy and Categorization
- Pattern Recognition, Clustering, and Software Classification
- Knowledge Management and Ontologies
- Query processing, query optimization, and data structures
- Database Applications and Experiences
- Web Data Management and Deep Web

INSTRUCTIONS TO AUTHORS:
Papers will be accepted ONLY BY ELECTRONIC SUBMISSION in PDF format. Include a cover page containing title, author's name(s), address, affiliation, email address, telephone number and topic area. In cases of multiple authors, all correspondence will be sent to the first author unless otherwise requested. Authors must submit a full paper (no more than 15 double spaced pages) by FEBRUARY 26, 2007. All submissions must be uploaded through the conference web page [https://secure.myhostadvantage.com/V0015065FC/conf-reg/default.asp?ConID=38](https://secure.myhostadvantage.com/V0015065FC/conf-reg/default.asp?ConID=38). If you encounter any difficulties during submission or if you require further information, please contact: isca@ipass.net. The submitted manuscript should closely reflect the final paper as it will appear in the proceedings, which will be a maximum of 6 pages (+2 pages with additional page fees) in ISCA format. (See [http://www.isca-hq.org/sample-isca-manuscript-format.pdf](http://www.isca-hq.org/sample-isca-manuscript-format.pdf))

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