The 19th SEDE Conference is interested in gathering researchers and professionals in the domains of Software Engineering and Data Engineering to present and discuss high-quality research results and outcomes in their fields. SEDE 2010 aims at facilitating cross-fertilization of ideas in Software and Data Engineering, and hence especially encourages high-quality research integrating both domains.

Recent trends in computing have shown a growing need for the development of distributed, decentralized computing systems that are resilient and self-healing. This year, SEDE will put a special emphasis on pervasive, adaptive computing. Hence we encourage research papers dealing with the process definition, requirements specification, modeling, design, and management of distributed, adaptive, data-intensive systems. Applied case studies will report on exemplary solutions deployed in industries such as aerospace, telecommunications, and military.

In addition to the special topic, the conference encourages research and discussions of broader issues on software and data engineering including, but not limited to:

**Software Engineering**
- Software Requirements Engineering
- Formal Specifications
- Software Verification and Model Checking
- Model-Based Methodologies
- Software Quality and Software Metrics
- Software Architecture and Design
- Software Testing
- Service- and Aspect-Oriented Techniques
- Agent-Based Software Systems
- Internet and Information Systems Development
- Software Visualization
- Software Development Tools
- Software Processes
- Project Management
- Human-Computer Interaction
- Software Engineering Education
- Applications and Case Studies

**Data Engineering**
- Distributed, Parallel, and Peer-to-Peer Databases
- Semi-Structured Data and XML Databases
- Data Integration, Interoperability, and Metadata
- Data Mining: Traditional, Large-Scale, and Parallel
- Ubiquitous Data Management and Mobile Databases
- Data Privacy and Security
- Scientific and Biological Databases and Bioinformatics
- Data Grids, Data Warehousing, OLAP
- Temporal, Spatial, Sensor, and Multimedia Databases
- Taxonomy and Categorization
- Pattern Recognition, Clustering, and Classification
- Knowledge Management and Ontologies
- Query Processing and Optimization
- Data Structures
- Database Applications and Experiences
- Web Data Management and Deep Web

SEDE recognizes excellence by means of the **Best Paper Award** made to an outstanding submission presented at the conference. In addition, selected papers from SEDE-2010 will be considered for a special issue of a journal publication.

**Submission Procedures**

Papers will be accepted ONLY BY ELECTRONIC SUBMISSION in PDF format. Please 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. All submissions must be uploaded through this web site by **March 7, 2010**.

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: http://www.isca-hq.org/sample-isca-manuscript-format.pdf. If you encounter any difficulties during submission or if you require further information, please contact: isca@ipass.net

**Important Dates**

- Paper Submission Deadline: **March 7, 2010**
- Notification of Acceptance: **April 23, 2010**
- Registration and Camera-ready Manuscript: **May 12, 2010**

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