



## SEDE 2010

June 16-18, 2010

San Francisco Fisherman's Wharf  
San Francisco, California, USA

The 19<sup>th</sup> 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](mailto: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**

#### Conference Chair

Narayan Debnath  
Computer Science Department  
Winona State University  
Minnesota, USA  
+1 (507) 457-5261  
[ndebnath@winona.edu](mailto:ndebnath@winona.edu)

#### Program Co-Chair

Rym Zalila-Wenkstern  
Computer Science Department  
University of Texas-Dallas  
Texas, USA  
+1 (972) 883-2091  
[rmili@utdallas.edu](mailto:rmili@utdallas.edu)

#### Program Co-Chair

Imad Rahal  
Computer Science Department  
College of St Benedict & St John's University  
Minnesota, USA  
+1 (320) 363-2837  
[irahal@csbsju.edu](mailto:irahal@csbsju.edu)