Preface

This volume contains the papers presented at the main conference sessions of the 9th Mexican International Conference on Computer Science (ENC 2008) held on October 06–10, 2008, in Mexicali, Baja California, Mexico. This year’s event is dedicated to celebrate the 50th anniversary of Computer Science in Mexico.

During last years, the Mexican International Conference on Computer Science has gradually become one of the largest international conferences on computer science in Mexico with considerable attendance of researchers of the international scientific community. This year, various events are organized in conjunction with ENC: three workshops—II Workshop on Data Mining, Software Engineering Symposium 2008 and, II Mexican Workshop on Human Computer Interaction (MEXIHC’08)—and a PhD Consortium. The proceedings of the workshops are published in a separate volume.

For the 9th edition of ENC we received 101 submissions by authors from 12 different countries. The submissions were reviewed by the International Program Committee members and additional reviewers, experts in the topics to the tracks well known in the international research community. This volume contains revised versions of 32 papers selected after a thorough evaluation. Thus the acceptance rate was 31.6%.

The volume is structured into 6 tracks representative of important domains addressed by the Computer Science community:

- Software Engineering
- Human-Computer Interaction
- Data Management and Exploitation
- Distributed Systems
- Algorithmic and Applied Mathematics
- Industrial Applications and Experience

The following papers were judged by the Program Committee and Track chairs as the best papers of the conference:

Best Paper Award, 1st place: *Web Services Orchestration in the WebContent Semantic Web Framework*, by Víctor Cuevas-Vicentini, Genoveva Vargas-Solar, and Christine Collet

Best Paper Award, 2nd place: *Computing of p-stable models based on semi-negative normal programs with constraints*, by Claudia Zepeda Cortes and José Luis Carballido Carranza

Best Paper Award, 3rd place: *Fuzzy Cellular Model Applied to the Dynamics of a Uni-Specific Population Induced by Environment Variations*, by Cecilia Leal Ramirez, Oscar Castillo and Antonio Rodríguez

Best Student Paper Award: *OntOAIR: a method to construct lightweight ontologies from document collections*, by Maria Auxilio Medina and J. Alfredo Sánchez

The best student paper was selected from the papers whose first author was a full-time student.
As usual, ENC organized tutorials on state of the art topics. This year’s ENC focused on service oriented architectures, query processing in mobile and dynamic environments, data and event stream processing, sensor based networks, and mini robotics.

The academic program of ENC included three keynote talks by world-renowned experts:

- *Challenges in Business Process Optimization*, by Malú Castellanos of Advanced Business Intelligence Laboratory Hewlett-Packard, Palo Alto, CA, USA

- *Surviving the Data Glut: The Management of Event Streams in Cyberphysical Systems*, by Alejandro Buchmann of Department of Computer Science, Technische Universitaet Darmstadt, Germany

- *Information for People*, by Laura Haas, IBM Almaden Research Center, USA

We thank the members of the Program Committee and additional reviewers for their hard work on selecting the papers to be included in this volume. We also thank the track chairs that ensured the quality of the scientific program of the conference.

Alexander Gelbukh  
Michel Adiba  
Honorary Chairs

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