Preface

This volume contains the papers presented at the main conference sessions of the 10th Mexican International Conference on Computer Science (ENC 2009) held in September 21–25, 2009, in Mexico City, Mexico.

During the years, the Mexican International Conference on Computer Science has gradually become one of the largest international conference on computer science in Mexico with important attendance of scientists of the international scientific community. This year two events are organized in conjunction with ENC, three workshops, Software Engineering Symposium 2009, SYMOS, and, WSEC and a PhD workshop. The proceedings of the symposium and the PhD workshop are published in a separate issue.

For the 10th edition of ENC we received 94 submissions by authors from sixteen different countries. The submissions were reviewed by Program Committee members and additional reviewers specialists in the topics to the tracks and well known in the international scientific community. This volume contains revised versions of papers selected after a thorough evaluation. Thus the acceptance rate was 28.72%. The volume is structured into 8 tracks representative of important domains addressed by the Computer Science community including an industrial applications and experience track:

- Software engineering
- Human-computer interaction
- Data management and exploitation
- Mobile systems
- Enterprise Computing
- Distributed systems
- Algorithmic and applied mathematics
- Industrial applications and experience

The scientific content of ENC is completed by three conferences lectured by renowned invited keynote speakers:

- Developers as Future Customers of Mobile Operators, Calicrates Policroniades, Business Development and Research Unit Telenor Group based in Oslo, Norway
- Service Science, Management, Engineering & Design, Wendy Murphy, Almaden Research Center IBM Research
- Technological Innovation: building the future, Juan Lozada Villa, Microsoft, Mexico
- Services in Microsoft Research, Jaime Puente, Microsoft Research, USA
- Issues and educative innovation in e-Learning, Tecnológico de Monterrey, Campus Ciudad de México, Mexico

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 thank the Tracks’ chairs that ensured the scientific content of the conference and its quality:

- María Valeria de Castro and Perla Velasco, Software engineering
- Sodel Vázquez Reyes, Tania Cerquitelli and Nicandro Cruz, Data management and exploitation
- Manuel Aguilar and Paulo Pires, Distributed systems
- Efrén Mezura and Pilar Pozos, *Algorithmic and applied mathematics*
- Regina Motz, *Industrial experience and application*
- Pablo Vidales and Raúl Rojas
- Juan Miguel and Luciano García,

We hope that the ENC 2009 proceedings will be fruitful for the scientific community

Alejandro Buchmann
Editor

Mexico City, September 2009