

Preface

With this volume, we show advances and new research directions in telematics, which is an interdisciplinary area where several fields converge, such as telecommunications, mobile computing, wireless sensor networks, data processing, electronics, and embedded systems. The combination and cooperation between these fields has been the key of the vertiginous advance of telematics and Information Technologies (IT), allowing the governments, industries, institutions, and individuals to be more open to communication than ever before.

The papers in this volume have been carefully chosen by the Editorial Board based on evaluation by at least three members of the reviewing committee. Acceptance rate for this volume was 30%. The main criteria for the selection were originality and technical quality of the papers.

This volume contains 13 papers related to various aspects of the development and applications of telematics, organized in the following sections:

- Telecommunications
- Communications
- Information processing
- Wireless sensor networks
- Mobile computing

This issue of *Research in Computer Science* will be interesting for researchers and students in telematics, telecommunications, mobile computing, and wireless sensor networks, as well as for general public interested in cutting-edge themes of telematics, communication, and information technologies.

This volume is the result of hard work and collaboration of many people. First of all, we thank the authors of the papers included in this volume for their technical excellence, which made possible the high quality of this volume. We also thank the members of the international Editorial Board of the volume and the reviewing committee for their hard work on selection of the best papers out of the many submissions we received. We would also like to express our gratitude to Prof. Aroldí Carvallo, Director of UPIITA, Prof. Hector Mendoza, and the UPIITA staff and students for their true enthusiasm and help in preparation of this volume.

Submission, reviewing, and selection process was supported free of charge by the EasyChair system, www.EasyChair.org.

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August 2014