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The series “Advances in Intelligent Systems and Computing” contains publications on theory, applications, and design methods of Intelligent Systems and Intelligent Computing. Virtually all disciplines such as engineering, natural sciences, computer and information science, ICT, economics, business, e-commerce, environment, healthcare, life science are covered. The list of topics spans all the areas of modern intelligent systems and computing.

The publications within “Advances in Intelligent Systems and Computing” are primarily textbooks and proceedings of important conferences, symposia and congresses. They cover significant recent developments in the field, both of a foundational and applicable character. An important characteristic feature of the series is the short publication time and world-wide distribution. This permits a rapid and broad dissemination of research results.

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Preface

The ICT Innovations conference is a framework where academics, professionals, and practitioners interact and share their latest results and interests related to basic and applied research in ICT. The conference is organized by the Association for Information and Communication Technologies (ICT-ACT), which supports the development of information and communication technologies in Macedonia, the Balkan region and beyond.

The 7th ICT Innovations 2015 conference gathered 316 authors from 36 countries reporting their scientific work and novel solutions. Only 26 papers were selected for this edition by the international program committee consisting of 215 members from 55 countries, chosen for their scientific excellence in their specific fields.

ICT Innovations 2015 was held in Ohrid, Macedonia during October 1–4, 2015. The special conference topic was “Emerging Technologies for Better Living” and it was mainly focused on scientific topics and technologies that have transformed the working and the living environments making them safer, more convenient, and more connected. The conference gave an overview of the emerging technologies, systems, applications, and standardization activities for better living, and identified their opportunities and challenges. The conference also focused on variety of ICT fields: Enhanced living environments, Data Mining & Information Retrieval, Bioinformatics & Biomedical Engineering, Connected Health Technologies, Digital Signal & Image Processing, Artificial Intelligence, Internet & Web Applications, Distributed & Parallel Processing, Internet of things, Robotics & Automation, Pattern Recognition, Assistive technologies, E-health, Context-aware Systems, Pervasive Technologies, Ambient Intelligence, Ubiquitous Computing, Embedded Systems, Innovative Media and Tools.
We would like to express sincere gratitude to the authors for submitting their contributions to this conference and to the reviewers for sharing their experience in the selection process. Special thanks to Katarina Trojancanec and Ivan Kitanovski for their technical support in the preparation of the conference proceedings.

September 2015

Suzana Loshkovska
Saso Koceski
Organization

ICT Innovations 2015 was organized by the Macedonian Society of Information and Communication Technologies (ICT-ACT).

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