

Preface

This volume contains research papers presented at the 5th IFIP International Conference on Computer Science and Its Applications (CIIA), held during May 20-21, 2015, in Saida, Algeria. CIIA 2015 continued the series of conferences whose main objective is to provide a forum for the dissemination of research accomplishments and to promote the interaction and collaboration between various research communities related to computer science and its applications. These conferences have been initiated by researchers from Algeria and extended to cover worldwide researchers focusing on promoting research, creating scientific networks, developing projects, as well as facilitating faculty and student exchanges, especially in Africa.

This year the CIIA conference attracted 225 submissions from 20 countries including: Algeria, Bangladesh, Belgium, Canada, China, Finland, France, India, Iran, Ireland, Italy, Jordan, Morocco, Norway, Poland, Qatar, Tunisia, United Arab Emirates, UK, and USA. In a rigorous reviewing process, the Program Committee (PC) selected 51 papers, which represents an acceptance rate of 22.6%. The PC included 200 researchers from 27 countries.

The accepted papers were organized into the four following research tracks: Computational Intelligence, co-chaired by: Sadok Ben Yahia (FST, Tunisia) and Nadjat Kamel (Setif University, Algeria); Security and Network Technologies, co-chaired by Nadjib Badache (CERIST, Algeria) and Alfredo Cuzzocrea (ICAR-CNR and University of Calabria, Italy); Information Technology, co-chaired by Jorge Bernardino (ISEC-Polytechnic Institute of Coimbra, Portugal) and Selma Khouri (ESI, Algiers, Algeria); as well as Software Engineering, co-chaired by Kamel Barkaoui (CNAM, Paris, France) and Abdelwahab Hamou-Lhadj (Concordia University, Montreal, Canada). Additionally, the conference hosted three keynote speakers, namely: Prof. Lynda Tamine-Lechani (IRIT Toulouse, France), Prof. Erich Neuhold (University of Vienna, Austria), and Prof. Mohamad Sawan (Polytechnique Montreal, Canada). This volume includes the abstracts of the keynote talks. We would like to express our warmest thanks to the keynote speakers.

We would also like to extend our gratitude to Prof. Erich Neuhold and the International Federation for Information Processing (IFIP) for accepting the CIIA papers to be published in the *IFIP Advances in Information and Communication Technology* (IFIP-AICT) by Springer.

We would also like to acknowledge the invaluable help of: the PC members for ensuring the quality of the scientific program, the Tahar Moulay University of Saida and the GeCoDe Laboratory, for hosting the conference and providing all the needed support, the track chairs, for managing the reviewing process, and Dr. Mickael Baron

(ISAE-ENSMA, Poitiers, France) and Dr. Mahieddine Djoudi (SIC/XLIM, University of Poitiers, France) for Webmaster efforts. Last but not least, we thank the EasyChair team for making available their conference management system to CHIA. Finally, we thank the authors who submitted papers to the conference.

April 2015

Abdelmalek Amine
Erich J. Neuhold
Ladjel Bellatreche
Zakaria Elberrichi
Robert Wrembel

Computer Science and Its Applications

5th IFIP TC 5 International Conference, CIIA 2015, Saida,
Algeria, May 20-21, 2015, Proceedings

Amine, A.; Bellatreche, L.; Elberrichi, Z.; Neuhold, E.J.;
Wrembel, R. (Eds.)

2015, XXVI, 638 p. 238 illus. in color., Hardcover

ISBN: 978-3-319-19577-3