Editorial

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Preface to Special Issue "Informatics 2019"

We have great pleasure in presenting a special issue within the Open Computer Science journal. This special issue contains the selected articles of the 2019 IEEE 15th International Scientific Conference on Informatics, organized by:

- The Slovak Society for Applied Cybernetics and Informatics (SSAKI), branch at the Department of Computers and Informatics FEEI TUKE,
- The Faculty of Electrical Engineering and Informatics, Technical University of Košice,
- The Association of Slovak Scientific and Technological Societies (ZSVTS),
- IEEE SMCS Technical Committee on Computational Cybernetics.

The conference was held in Poprad, Slovakia, November 20-22, 2019. It became a significant international forum for academic scientists, engineers, researchers and young IT experts together to exchange and share their experiences and research results about most aspects of science and social research, discuss the practical challenges encountered and the solutions adopted and bringing new ideas.

The research in computer science and technology has been growing so exponentially over the recent years. Computer science has a large potential impact on interdisciplinary collaboration. Moreover, computer technologies are often central to much scientific research. The main purpose of the conference was, in particular, to bring together people active in the area of computer science and related sciences and to present new research results.

A lot of interesting papers were presented at the conference, so the selection process was not easy. The program committee formulated criteria for the first round of the selections process, then the selections were confirmed by sessions chairs in the second round.

After the careful selection process for this special issue, 19 articles were recommended for further publishing. All articles in this edition have been significantly expanded by the authors with new scientific results and have been reviewed again. The topics covered in this special issue include theoretical computer science, artificial intelligence, programming paradigms, software engineering, applied informatics, computer networks, simulation, computer graphics and virtual reality.

This volume focuses on actual problems in computer science and related fields, and it presents both theoretical and practical results and applications thus exploiting the innovative approaches. It reflects the main thrust of research in computer science and related fields and establishes contacts with experts of these fields.

I would like to express my appreciation to the authors of all papers for their important contribution. Due to their fruitful research and helpful cooperation, it was possible to provide such broad coverage of this area of scientific research.

I also would like to thank all reviewers for their valuable opinions and recommendations. Thanks to their expertise and experience, they have contributed to increasing the impact of the submitted articles.

My special thanks go to the journal's management for their kind cooperation and willingness to help with this special issue, as well as for the wonderful cooperation, which has become a nice tradition.

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