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Preface

The 31st International Symposium on Computer and Information Sciences was held during October 27–28, 2016, in Kraków, Poland, under the auspices of the Institute of Theoretical and Applied Informatics of the Polish Academy of Sciences, Gliwice and of Imperial College, London.

This was the 31st event in the ISCIS series of conferences that have brought together computer scientists from around the world, including Ankara, Izmir, and Antalya in Turkey, Orlando, Florida, Paris, London, and Kraków. Thus this conference follows the tradition of very successful previous annual editions, and most recently ISCIS 2015, ISCIS 2014, ISCIS 2013, ISCIS 2012, ISCIS 2011, and ISCIS 2010. The proceedings of previous editions have been included in major research indexes, such as ISI WoS, DBLP, and Google Scholar.

ISCIS 2016 included three invited keynote presentations by leading contributors to the field of computer science, as well as peer-reviewed contributed research papers. The program was established from the submitted papers, and covered relevant and timely aspects of computer science and engineering research, with a clear contribution presenting experimental evidence or theoretical developments and proofs that support the claims of the paper.

The topics included in this year’s edition included computer architectures and digital systems, algorithms, theory, software engineering, data engineering, computational intelligence, system security, computer systems and networks, performance modelling and analysis, distributed and parallel systems, bioinformatics, computer vision, and significant applications such as medical informatics and imaging. All the accepted papers were peer reviewed by two or three referees and evaluated on the basis of technical quality, relevance, significance, and clarity.

The organizers and proceedings editors thank the dedicated Program Committee members and other reviewers for their contributions, and would especially like to thank all those who submitted papers, even though only a fraction could be accepted. We also thank Springer for producing these high-quality proceedings of ISCIS 2016.

September 2016

Tadeusz Czachorski
Erol Gelenbe
Krzysztof Grochla
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The 31st International Symposium on Computer and Information Sciences (ISCIS 2016) was organized by the Institute of the Theoretical and Applied Informatics of Polish Academy of Sciences, Gliwice, and Imperial College, London.

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