

Advances in Intelligent Systems and Computing

Volume 407

Series editor

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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.

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The 1st International
Conference on Advanced
Intelligent System
and Informatics (AISI2015),
November 28–30, 2015,
Beni Suef, Egypt

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Preface

This edited volume of *Advances in Intelligent Systems and Computing* contains the accepted papers presented at the main track of the 1st International Conference on Advanced Intelligent System and Informatics (AISI2015), November 28–30, 2015, Beni Suef, Egypt.

The aim of AISI2015 is to provide an internationally respected forum for academics, researchers, analysts, industry consultants, and practitioners in the fields involved to discuss and exchange recent progress in the area of informatics and intelligent systems technologies and applications. The conference has three major tracks, namely Intelligent Systems, Intelligent Robotics Systems, and Informatics.

The plenary lectures, tutorials, and the progress and special reports bridged the gap between the different fields of machine learning and informatics, making it possible for nonexperts in a given area to gain insight into new areas. Also included among the speakers were several young scientists, namely postdocs and students, who brought new perspectives to their fields. We expect that the future AISI conferences will be as stimulating as this most recent one was, as indicated by the contributions presented in this proceedings volume.

The first edition of AISI2015 was organized by the Scientific Research Group in Egypt (SRGE) jointly by Faculty of Computers and Information, Beni Suef University, Beni Suef, Egypt. The conference was organized under the patronage of Prof. Amin Lotfy, President of Beni Suef University. The conference received 85 papers from 29 countries and accepted 43 papers.

The organization of the AISI2015 conference was entirely voluntary. The reviewing process of AISI2015 required huge effort from the International Technical Program Committee. Each paper has been reviewed by at least three reviewers. Therefore, we would like to thank all the members of this committee for their contribution to the success of the AISI2015 conference. Also, we would like to express our sincere gratitude and appreciation to the host of AISI2015, Beni Suef

University, Beni Suef, Egypt, and to the publisher, Springer, for their hard work and support in the organization of the conference. Last but not least, we would like to thank all the authors of this proceedings for their high-quality contributions.

The friendly and welcoming attitude of the AISI2015 conference supporters and contributors made this event a success!

Egypt

Egypt

Egypt

India

September 2015

Tarek Gaber

Aboul Ella Hassanien

Nashwa El-Bendary

Nilanjan Dey

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