Advances in Intelligent Systems and Computing

Volume 465

Series editor

Janusz Kacprzyk, Polish Academy of Sciences, Warsaw, Poland
e-mail: kacprzyk@ibspan.waw.pl
About this Series

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

This book constitutes the refereed proceedings of the Software Engineering Perspectives and Application in Intelligent Systems Section of the 5th Computer Science On-line Conference 2016 (CSOC 2016), held in April 2015.

The volume Software Engineering Perspectives and Application in Intelligent Systems brings 42 of the accepted papers. Each of them presents new approaches and methods to real-world problems and exploratory research that describes novel approaches in the field of cybernetics and automation control theory.

Particular emphasis is laid on modern trends in the selected fields of interest. New algorithms or methods in a variety of fields are also presented.

CSOC 2016 has received (all sections) 254 submissions, 136 of them were accepted for publication. More than 60% of all accepted submissions were received from Europe, 20% from Asia, 16% from America and 4% from Africa. Researchers from 32 countries participated in CSOC 2016.

CSOC 2016 intends to provide an international forum for the discussion of the latest high-quality research results in all areas related to computer science. The addressed topics are theoretical aspects and applications of computer science, artificial intelligence, cybernetics, automation control theory and software engineering.

Computer Science On-line Conference is held online and broad usage of modern communication technology improves the traditional concept of scientific conferences. It brings equal opportunity to participate to all researchers around the world.

The editors believe that readers will find the proceedings interesting and useful for their own research work.

March 2016

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