

Advances in Intelligent Systems and Computing

Volume 348

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.

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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Intelligent Systems in Cybernetics and Automation Theory

Proceedings of the 4th Computer Science
On-line Conference 2015 (CSOC2015),
Vol 2: Intelligent Systems in Cybernetics
and Automation Theory

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Preface

This book constitutes the refereed proceedings of the Intelligent Systems in Cybernetics and Automation Control Theory Section of the 4th Computer Science On-line Conference 2015 (CSOC 2015), held in April 2015.

The volume Intelligent Systems in Cybernetics and Automation Control Theory brings 30 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 selected fields of interest. New algorithms or methods in a variety of fields are also presented.

CSOC 2015 has received (all sections) 230 submissions, 102 of them were accepted for publication. More than 53 % of all accepted submissions were received from Europe, 27 % from Asia, 10 % from America and 10 % from Africa. Researches from 26 countries participated in CSOC 2015 conference.

CSOC 2015 conference 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 the theoretical aspects and applications of Computer Science, Artificial Intelligences, Cybernetics, Automation Control Theory and Software Engineering.

Computer Science On-line Conference is held on-line 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 2015

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