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Radek Silhavy
Editor

Artificial Intelligence and Algorithms in Intelligent Systems

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Preface

This book constitutes the refereed proceedings of the modern trends and approaches of artificial intelligence research and its application to intelligent systems. The paper discusses hybridization of algorithms, new trends in neural networks, optimization algorithms, and real-life issues related to artificial methods' application.

This book constitutes the refereed proceedings of the Artificial Intelligence and Algorithms in Intelligent Systems of the 7th Computer Science On-line Conference 2018 (CSOC 2018), held online in April 2018.

CSOC 2018 has received (all sections) 265 submissions, 141 of them were accepted for publication. More than 60% of accepted submissions were received from Europe, 30% from Asia, 5% from Africa, and 5% from America. Researchers from 30 countries participated in CSOC 2018 conference.

CSOC 2018 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 online and modern communication technology, which is broadly used to improve the traditional concept of scientific conferences. It brings equal opportunity to participate to all researchers around the world.

I believe that you will find following proceedings interesting and useful for your own research work.

March 2018

Radek Silhavy
Editor

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