

Preface

This volume of *Advances in Intelligent Systems and Computing* contains papers presented in the main track of IITI 2016, the First International Conference on Intelligent Information Technologies for Industry held in May 16–21 in Sochi, Russia. Sochi is a beautiful city in the south of Russia, a well-known resort center on the Black Sea and the capital of XXII Olympic Winter Games—2014. The conference was jointly co-organized by Rostov State Transport University (Russia) and VŠB-Technical University of Ostrava (Czech Republic) with the participation of Russian Association for Artificial Intelligence (RAAI) and Russian Association for Fuzzy Systems and Soft Computing (RAFSSC). These two Associations represent important Russian scientific communities incorporated into international activities: RAAI is a member society of the European Coordinating Committee for Artificial Intelligence (ECCAI) and RAFSSC is the member of International Fuzzy Systems Association (IFSA).

The First IITI Conference is not, of course, the first international conference on intelligent technologies and fuzzy systems in Russia. Among the most important international events (in English) organized by RAAI and RAFSSC in twenty-first century we may cite the Joint Conference on Knowledge-Based Software Engineering (KBSE), International Conference on Fuzzy Sets and Soft Computing in Economics and Finance (FSSCEF), Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC'2011). The XVth Russian National Conference in Artificial Intelligence with international participation (CAI-2016) will take place at Smolensk in October 2016.

The conferences above-mentioned were mainly focused on fundamental problems of artificial intelligence, fuzzy set theory, and soft computing. To differ from them, IITI'16 is devoted to practical models and industrial applications related to intelligent information systems. It is considered as a meeting point for researchers and practitioners to enable the implementation of advanced information technologies into various industries. Nevertheless, some theoretical talks concerning the state of the art in intelligent systems and soft computing were also included into proceedings.

There were 162 paper submissions from 10 countries. Each submission was reviewed by at least three Chairs or PC members. We accepted 92 regular papers (57 %). Unfortunately, due to limitations of conference topics and edited volumes, the Program Committee was forced to reject some interesting papers which did not satisfy these topics or publisher requirements. We would like to thank all authors and reviewers for their work and valuable contributions. The friendly and welcoming attitude of conference supporters and contributors made this event a success!

May 2016

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Proceedings of the First International Scientific
Conference "Intelligent Information Technologies for
Industry" (IITI'16)

Volume 2

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2016, XV, 504 p. 196 illus., 120 illus. in color., Softcover

ISBN: 978-3-319-33815-6