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Swarm, Evolutionary, and Memetic Computing

6th International Conference, SEMCCO 2015
Hyderabad, India, December 18–19, 2015
Revised Selected Papers

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Preface

This LNCS volume contains the papers presented at the 6th Swarm, Evolutionary and Memetic Computing Conference (SEMCCO 2015) held during December 18–19, 2015, at CMR Technical Campus, Hyderabad, India. SEMCCO is regarded as one of the prestigious international conference series that aims at bringing together researchers from academia and industry to report and review the latest progress in cutting-edge research on swarm, evolutionary, memetic computing, and other novel computing techniques like neural and fuzzy computing, to explore new application areas, to design new bio-inspired algorithms for solving specific hard optimization problems, and finally to raise awareness of these domains in a wider audience of practitioners.

SEMCCO 2015 received 150 paper submissions from 12 countries across the globe. After a rigorous peer-review process involving 400 reviews in total, 40 full-length articles were accepted for oral presentation at the conference. This corresponds to an acceptance rate of 27 % and is intended for maintaining the high standards of the conference proceedings. The papers included in this LNCS volume cover a wide range of topics in swarm, evolutionary, memetic, and other intelligent computing algorithms and their real-world applications in problems selected from diverse domains of science and engineering.

The conference featured the following distinguished keynote speakers: Dr. P.N. Suganthan, NTU, Singapore, and Dr. Rammohan Mallipeddi, Kyungpook National University, South Korea.

We take this opportunity to thank the authors of all submitted papers for their hard work, adherence to the deadlines, and patience with the review process. The quality of a refereed volume depends mainly on the expertise and dedication of the reviewers. We are indebted to the Program Committee/Technical Committee members who not only produced excellent reviews but also did so in the short time frames that they were given.

We would also like to thank our sponsors for providing all the logistic support and financial assistance. First, we are indebted to Management and Administrations (faculty colleagues and administrative personnel) of CMR Technical Campus, Hyderabad. We thank Prof. Carlos A. Coello Coello, and Prof Nikhil R. Pal, the General Chairs, for providing valuable guidelines and inspiration to overcome various difficulties in the process of organizing this conference. We would also like to thank the participants of this conference. Finally, we would like to thank all the volunteers for their tireless efforts in meeting the deadlines and arranging every detail to make sure that the conference could run smoothly. We hope the readers of these proceedings and the participants of the conference found the papers and conference inspiring and enjoyable.

December 2015

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