Preface

The volume contains the papers presented at the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES) held during 19–21 May, 2016 at SRM University, Chennai, India. For ICAIECES 2016, we have received 316 papers from various countries across the globe. After a rigorous peer-review process, 70 full-length articles were accepted for oral presentation at the conference. This corresponds to an acceptance rate of 23.73% and is intended for maintaining the high standards of the conference proceedings. The papers included in this AISC volume cover a wide range of topics on evolutionary programming and evolution strategies such as genetic algorithms, artificial intelligence system, differential evolution, particle swarm optimization, ant colony optimization, bacterial foraging optimization algorithm, harmony search algorithm, shuffled frog leaping algorithm, artificial bees and fireflies algorithm, optimization techniques and their applications for solving problems in the area of engineering and technology. In the conference, separate sessions were arranged for delivering the keynote address by eminent professionals from various academic institutions and industries. The various keynote speakers during the conference are Padmasree Y.S. Rajan, Vice President, Forum For Global Knowledge Sharing, Bangalore; Dr. Lipo Wang, Professor, NTU, Singapore; Dr. Ponnambalam S.G., Professor, Monash University, Malaysia; Dr. Swagatam Das, Electronics and Communication Sciences Unit, Indian Statistical Institute, Kolkata; Dr. K. Shanti Swarup, Professor, IIT Madras; Dr. P. Somasundaram, Associate Professor, Anna University, Chennai; and Dr. D. Devaraj, Dean, Academic, Kalasalingam University, Krishnankoil. All these lectures generated a great interest among the participants in paying more attention in these emerging areas.

We take this opportunity to thank the authors of all the papers for their hard work, adherence to the deadlines, and for suitably incorporating the changes suggested by the reviewers. The quality of a refereed volume depends mainly on the expertise and dedication of the reviewers. We are indebted to the Program Committee members for their guidance and coordination in organizing the review process.

   We would also like to thank our sponsors for providing all the support and financial assistance. We are indebted to the Chancellor, Vice Chancellor, Advisors, Pro-Vice Chancellor, Registrar, Director (E&T), Faculty members, and Administrative Personnel of SRM University, Kattankulathur, Chennai for supporting our cause and encouraging us to organize the conference on a grand scale. We would also like to thank all the participants for their interest and enthusiastic involvement. Finally, we would like to thank all the volunteers for their tireless efforts in meeting the deadlines and arranging every detail meticulously for the smooth conduct of the conference. We hope the readers of these proceedings find the papers useful, inspiring, and enjoyable.

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