

Preface

This AISC volume contains the papers presented at the Second International Conference on Intelligent Computing and Applications (ICICA 2015) held during February 5–6, 2016, at KCG College of Technology, Chennai, India. ICICA 2015 is the second international conference aiming at bringing together the researchers from academia and industry to report and review the latest progresses in the cutting-edge research on various research areas of electronic circuits, power systems, renewable energy applications, image processing, computer vision and pattern recognition, machine learning, data mining and computational life sciences, management of data including big data and analytics, distributed and mobile systems including grid and cloud infrastructure, information security and privacy, VLSI, antenna, computational fluid dynamics and heat transfer, intelligent manufacturing, signal processing, intelligent computing, soft computing, web security, privacy and e-commerce, e-governance, optimization, communications, smart wireless and sensor networks, networking and information security, mobile computing and applications, industrial automation and MES, cloud computing, green IT and finally to create awareness about these domains to a wider audience of practitioners.

Actually ICICA 2015 was planned during Dec 21–23, 2015. But due to recent incessant rains and floods in and around Chennai which inundated most parts of the city, it was postponed to Feb 5–6, 2016. ICICA 2015 received 173 paper submissions including two foreign countries across the globe. All the papers were peer-reviewed by the experts in the area in India and abroad, and comments have been sent to the authors of accepted papers. Finally 76 papers mainly from foreign countries like Thailand, Africa, Saudi Arabia and from various states of India were accepted for oral presentation in the conference.

This corresponds to an acceptance rate of 41.44 % and is intended to maintain the high standards of the conference proceedings. The papers included in this AISC volume cover a wide range of topics in intelligent computing and algorithms and their real-time applications in problems from diverse domains of science and engineering. The conference was inaugurated by Mr. Pashupathy Gopalan,

President of SunEdison—Asia Pacific on Feb 5, 2016. The conference featured distinguished keynote speakers as follows: Dr. Vitawat Sitakul, King Mongkut's University of Technology, Thailand; Mr. Martin Fiddler, Mr. Niko Decourt, Staffordshire University, UK; Dr. Swagatam Das, ISI, Kolkata, India; Dr. Sarathi, IIT, Madras, India; Dr. S.S. Dash, SRM University, Chennai, India; Mr. Swaminathan, Neyveli Lignite Corporation, India; and Mr. Sivakumar of NITEO Technologies, Chennai, India in various domains. We take this opportunity to thank the authors of the submitted papers for their hardwork, adherence to the deadlines, and patience with the review process. The quality of a referred volume depends mainly on the expertise and dedication of the reviewers. We are indebted to the Program Committee/Technical Committee members, who produced excellent reviews in short time frames. First, we are indebted to the chairperson, director and CEO of KCG College of Technology, Chennai, India for supporting our cause and encouraging us to organize the conference there. In particular, we would like to express our heartfelt thanks for providing us with the necessary financial support and infrastructural assistance to hold the conference. Our sincere thanks to Prof. D. K. Mandal and Dr. Rajib Kar, NIT Durgapur; Dr. T. Rengaraja, principal, KCG College of Technology; Dr. Sumathi Poobal, vice principal, KCG College of Technology; Late. Dr. Amos H. Jeeva Oli; Dr. R. Senthil; Mr. S. Cloudin; Dr. J. Frank Vijay; Dr. S. Ramesh; Dr. M. Krishnamurthy; Dr. Raja Paul Perinbam; Dr. P.S. Mayurappriyan; Mr. J. Arun Venkatesh for their continuous support. We thank the International Advisory Committee members 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. The members of faculty and students of KCG College of Technology deserve special thanks because without their involvement, we would not have been able to face the challenges of our responsibilities. Finally, we thank all the volunteers who made great 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 find the papers inspiring and enjoyable.

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P. Deiva Sundari
Subhransu Sekhar Dash
Swagatam Das
Bijaya Ketan Panigrahi

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Deiva Sundari, P.; Dash, S.S.; Das, S.; Panigrahi, B.K.
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