

Preface

Opening Remarks

The International Conference on Advances in Soft Computing, Intelligent Systems and Applications (ASISA 2016) has become one of the major events of the year in the field of in soft computing, intelligent systems, and applications. ASISA 2016 conference is jointly organized by R.L. Jalappa Institute of Technology, ARPVGSI, and IEEE Robotics and Automation Society.

The world is going through a rapid change with the advances in soft computing and intelligent systems. This HMI advantage should be extended to all: literate and illiterate, able-bodied and physically challenged users, urban and rural people. In this respect, our world, in fact, is divided into two: privileged and underprivileged. There is a need to bridge the gap between underprivileged users and cyber society. With this aim in our mind, we have chosen the theme of ASISA 2016 conference.

The conference has been planned so that students from academic institutions, experts from industries, and academia take part in the conference and share their experience. Participation in the conference has been increased significantly over the years, and the conference has become truly international. We have received 199 submissions. Out of these, the number of submissions from industries is 11, and from academics and research institutions are 188. Moreover, out of all submissions, the number of submissions from India is 102 and rest from the outside of India. We categorized all papers into eight tracks. All accepted papers were evaluated by the International Advisory Committee of ASISA 2016 comprising of 55 experts in the field of Advances in Soft Computing, Intelligent Systems and Applications and Research from India & abroad.

We ranked all papers submitted to the conference numerically based on grade 5. Of this grade, 20% of it was determined by technical quality, 20% of it novelty, 5% by writing style, 5% by the confidence of reviewer, 20% of the relevance to the conference, and finally 30% by the overall feeling of the paper. Each paper had been reviewed with double-blind peer-review process and finally by the track chair of the corresponding track. We rejected superficial reviews and paid careful

attention to reviews stating reasons for the accept/reject decision. We have accepted 39 papers with the acceptance rate of 43.3% for the oral presentation and inclusion in the conference proceedings.

On behalf of the ASISA 2016 organizing committee, we thank all referees, track chairs, volunteers, and the paper authors. We are also very grateful to the 2016 executive committee of IEEE Robotics and Automation Society and the authority of R.L. Jalappa Institute of Technology, Kodigehalli, Doddaballapur, Bangalore, Karnataka, India, to help us all the way to organize such a big event.

Our special thanks to Er. Ch. Nagaraja, Secretary; Sri Devaraj Urs Educational Trust, Bangalore, India; Er. J. Nagendra Swamy, CEO, R.L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India; Er. J. Rajendra, Director, R.L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India; Prof. M. Sreenivasa Reddy, Principal, R.L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India; Prof. N. Manjunath, HOD, Computer Science, R.L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India; Prof. Vishwanath, R.L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India; Dr. Khan M.S., Dean Academics, R.L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India, for their invaluable guidance in organizing the conference. Last but not least, we express our heartfelt thanks to speakers of keynote speeches and invited talks, who in spite of their busy schedule manage their times and have kindly agreed to deliver highly stimulating talks.

We feel that this is an exceptionally high-quality technical event, but you must judge that for yourselves. We do hope that you will enjoy reading the collection of papers presented.

Doddaballapur, Bengaluru, India

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