

## Preface

In the past few years, the computer science field has gone through several fundamental changes to make computing useful in all aspects of life. State-of-the-art techniques and computing paradigms based on research domains like big data, cloud computing, Internet of Things, and machine learning are working as key technologies to bring comfort and changes in one's life. This volume contains 64 papers presented at the International Conference on Advances in Computing and Data Sciences (ICACDS 2016) held during November 11–12, 2016, and hosted by The Department of Computer Science and Engineering, Krishna Engineering College, Ghaziabad (UP), India in association with Special Interest group on Cyber Forensics of Computer Society of India.

ICACDS 2016 was an attempt to bring together researchers working in these domains to share their knowledge and their work in front of others from around the world. The conference was organized specifically to help the researchers, academics, scientists and industry to derive benefits from the advances of next-generation computing technologies. Invited speakers presented the latest developments and technical solutions in the areas of advanced computing, communications, informatics, Internet of Things (IoT), and data sciences and big data.

The Program Committee of ICACDS 2016 is extremely grateful to the authors whose tremendous response to the call for papers resulted in over 500 papers being submitted in five tracks in Advanced Computing, Data Sciences, Internet of Things, Communications, and Informatics. All submitted papers went through a peer-review process and finally 64 papers were accepted for publication in Springer's CCIS series. We are highly thankful to our potential reviewers for their efforts extended in finalizing the high-quality papers.

The conference featured many distinguished personalities including Prof. Alexendar Horse Norta, Tallinn University of Technology, Tallinn, Estonia; Prof. Ramesh Bansal, University of Pretoria, South Africa; Prof. D.P. Mohaparta, NIT, Durgapur, India; Prof. S.K. Mishra, Majmaah University, Saudi Arabia; Prof. Arun Sharma, Indira Gandhi Delhi Technical University for Women, India; Mr. Anup Girdhar, CEO and Founder, Sedulity Solutions & Technology, India, among many others. We are very grateful for the participation of these speakers in making this conference a memorable event.

The Organizing Committee of ICACDS 2016 is indebted to Dr. Manoj Goel, CAO-KIET Group, Dr. Narendra Kumar, Director, and Prof. S.B. Bajpayee, Dean of Academic Affairs, for their confidence that they invested in us for organizing this international conference. We also wish to thank all faculty members and staff of KEC Ghaziabad for their support in organizing the conference and for making it a grand success.

We would also like to thank the authors of all submitted papers for their hard work, their adherence to the deadlines, and their patience with the review process. Our sincere thanks to CSI, CSI SIG on Cyber-forensics, and DRDO for sponsoring the event.

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Mayank Singh  
P.K. Gupta  
Vipin Tyagi  
Arun Sharma  
Tuncer Ören  
William I. Grosky

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Selected Papers

Singh, M.; Gupta, P.K.; Tyagi, V.; Sharma, A.; Oren, T.;

Grosky, W. (Eds.)

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