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Preface

Computing techniques like big data, cloud computing, machine learning, the Internet of Things etc. are playing the key role in processing of data and retrieval of advanced information. Several state-of-art techniques and computing paradigms have been proposed based on these techniques. This volume contains papers presented at the Third International Conference on Advances in Computing and Data Sciences (ICACDS 2019) held during April 12–13, 2019, at Inderprastha Engineering College, Ghaziabad, UP, India. The conference was organized specifically to help researchers, academics, scientists, and industry come together and to derive benefits from the advances of next-generation computing technologies in the areas of advanced computing and data sciences.

The Program Committee of ICACDS 2019 is extremely grateful to the authors who showed an overwhelming response to the call for papers submitting over 621 papers in two tracks in advanced computing and data sciences. All submitted papers went through a peer review process and finally 112 papers were accepted for publication in Springer's CCIS series. We are very thankful to our reviewers for their efforts in finalizing the high-quality papers.

The conference featured many distinguished personalities including Prof. K. K. Agarwal, Chairman-NAAC, Prof. J. S. P. Rai, Vice Chancellor Jaypee University of Engineering and Technology, Raghogarh, Guna; Prof. Rajkumar Buyya, University of Melbourne, Australia; Prof. Viranjay M. Srivastava, University of KwaZulu-Natal, Durban, South Africa; Prof. Baisakhi Chakraborty, National Institute of Technology, Durgapur; Prof. Parteek Bhatia, Thapar Institute of Engineering and Technology, Patiala, India; Prof. S. K. Mishra, Majmaah University, Saudi Arabia; Prof. Arun Sharma, Indira Gandhi Delhi Technical University for Women, India; Prof. Prathmesh Churi, NMIMS University, Mumbai; Dr. Anup Girdhar, CEO and Founder, Sedulity Solutions & Technology, India, among many others. We are very grateful for the participation of all speakers in making this conference a memorable event.

The Organizing Committee of ICACDS 2019 is indebted to Prof. B. C. Sharma, Director Inderprastha Engineering College, for the confidence that he invested in us in organizing this international conference, and all the faculty and staff of the CSE Department, IPEC, Ghaziabad for their support in organizing the conference and for making it a grand success.

We would also like to thank Dr. Divya Jain, JUET Guna; Dr. Neelesh Jain, JUET Guna; Dr. Prateek Pandey, JUET Guna; Dr. Nilesh Patel, JUET Guna; Dr. Ratnesh Litoriya, JUET Guna; Mr. Kunj Bihari Meena, JUET Guna; Dr. Deepshikha Tiwary, Thapar University Patiala; Dr. Ghanshyam Raghuwanshi, Manipal University, Jaipur; Dr. Vibhash Yadav, REC Banda; Dr. Sandhya Tarar, GBU Noida; Mr. Nishant Gupta, MGM CoET, Noida; Mr. Rohit Kapoor, SK Info Techies; Mr. Akshay Chaudhary and

Ms. Akansha Singh from GISR Foundation; Mr. Deepak Singh, Mr. Atul Kumar, and Ms. Shivani Gupta from Consilio Intelligence Research Lab for their support. Our sincere thanks to Consilio Intelligence Research Lab, GISR Foundation, Print Canvas, IP Moment, Apron, VGeekers and Tricky Plants for sponsoring the event.

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