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Revised Selected Papers, Part I

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Preface

Computing techniques like big data, cloud computing, machine learning, Internet of Things etc. are playing a key role in processing of data and retrieving of advanced information. Several state-of-art techniques and computing paradigms have been proposed based on these techniques. This volume contains the papers presented at the Second International Conference on Advances in Computing and Data Sciences (ICACDS 2018) held during April 20–21, 2018, at the Uttaranchal Institute of Technology, Uttaranchal University, Dehradun, Uttarakhand, India. The conference was organized specifically to help bring together researchers, academics, scientists, and industry and to derive benefits from the advances of the next generation of computing technologies in the areas of advanced computing and data sciences (ACDS).

The Program Committee of ICACDS 2018 is extremely grateful to the authors who showed an overwhelming response to the call for papers, with over 598 papers being submitted in two tracks in "Advanced Computing" and "Data Sciences." All submitted papers went through a peer review process and, finally, 110 papers were accepted for publication in two volumes of Springer's CCIS series. The first volume is devoted to advanced computing and the second deals with data sciences. We are very grateful to our reviewers for their efforts in finalizing the high-quality papers.

The conference featured many distinguished personalities like Prof. Ling Tok Wang, National University of Singapore, Singapore; Prof. Viranjay M. Srivastava, University of KwaZulu-Natal, Durban, South Africa; 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; Dr. Anup Girdhar, CEO and Founder, Sedulity Solutions and 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 2018 is indebted to Sh. Jitendra Joshi, Chancellor Uttaranchal University, and Dr. N. K. Joshi, Vice Chancellor, Uttaranchal University for the confidence that they have invested in us for organizing this international conference, and all faculty members and staff of UIT, Uttaranchal University, Dehradun, for their support in organizing the conference and making it a grand success.

We would also like to thank the authors of all submitted papers for their hard work, adherence to the deadlines, and patience with the review process. Our sincere thanks to CSI, CSI SIG on Cyber Forensics, Consilio Intelligence Research Lab, and LWT India for sponsoring the event.

September 2018

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