

# Preface

The Third International Doctoral Symposium on Applied Computation and Security Systems (ACSS 2016) took place during August 12–14, 2016 in Kolkata, India organized by University of Calcutta in collaboration with NIT, Patna. The Ca Foscari University of Venice, Italy and Bialystok University of Technology, Poland were the international collaborators for ACSS 2016.

As the symposium turned to its third consecutive year, it has been interesting to note the kind of interests it has created among the aspiring doctoral scholars and the academic fraternity at large. The uniqueness of being a symposium created specifically for Ph.D. scholars and their doctoral research has already established ACSS as an inimitable event in this part of the globe. The expertise of the eminent members of the program committee helped in pointing out the pros and cons of the research works being discussed during the symposium. Even during presentation of each paper, the respective Session Chair(s) had responded to their responsibilities of penning down a feedback for more improvements of the paper. The final version of the papers thus goes through a second level of modification as per the session chair's comments, before being included in this post-conference book.

Team ACSS is always on the look-out for latest research topics, and in a bid to allow such works, we always include them to our previous interest areas. ACSS 2016 had Android Security as the chosen new interest area, thus inviting researchers working in the domains of data analytics, cloud and service management, security systems, high performance computing, algorithms, image processing, pattern recognition.

The sincere effort of the program committee members, coupled with indexing initiatives from Springer, has drawn a large number of high-quality submissions from scholars all over India and abroad. A thorough double-blind review process has been carried out by the PC members and by external reviewers. While reviewing the papers, reviewers mainly looked at the novelty of the contributions, at the technical content, at the organization and at the clarity of presentation. The entire process of paper submission, review and acceptance process was done electronically. Due to the sincere efforts of the Program Committee and the Organizing Committee members, the symposium resulted in a suite of strong

technical paper presentations followed by effective discussions and suggestions for improvement for each researcher.

The Technical Program Committee for the symposium selected only 21 papers for publication out of 64 submissions after peer review. Later 5 more papers were chosen for presenting in the symposium after the authors submitted enhanced versions and those were reviewed again in a 2-tier pre-symposium review process.

We would like to take this opportunity to thank all the members of the Program Committee and the external reviewers for their excellent and time-bound review works. We thank all the sponsors who have come forward towards organization of this symposium. These include Tata Consultancy Services (TCS), Springer Nature, ACM India, M/s Neitec, Poland, and M/s Fujitsu, Inc., India. We appreciate the initiative and support from Mr. Aninda Bose and his colleagues in Springer Nature for their strong support towards publishing this post-symposium book in the series “Advances in Intelligent Systems and Computing”. Last but not least, we thank all the authors without whom the symposium would have not reached this standard.

On behalf of the editorial team of ACSS 2016, we sincerely hope that ACSS 2016 and the works discussed in the symposium will be beneficial to all its readers and motivate them towards even better works.

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