

Preface

This volume contains the papers presented at International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016) that was held during December 23–25, 2016, at the C. V. Raman College of Engineering, Bhubaneswar, India (www.icacie.com). There were 638 submissions and each qualified submission was reviewed by a minimum of two Technical Program Committee members using the criteria of relevance, originality, technical quality, and presentation. The committee accepted and published in proceedings 136 full papers for oral presentation at the conference and the overall acceptance rate is 21.32%.

ICACIE is an initiative focusing on research and applications on several topics of advanced computing and intelligent engineering. The focus was also to present state-of-the-art scientific results, disseminate modern technologies, and promote collaborative research in advanced computing and intelligent engineering.

The accepted papers were chosen based on their research excellence, presentation quality, novelty, and the state-of-the-art representation. Researchers presented their work and had an excellent opportunity to interact with eminent professors and scholars in their area of research. All participants benefitted from discussions that facilitated the emergence of innovative ideas and approaches. Many distinguished professors, well-known scholars, industry leaders, and young researchers participated in making ICACIE 2016 an immense success.

We organized a special session named as Women in Engineering (WiE) on the topic “Empowerment of Women in the field of Engineering and Management” to encourage young women in the field of engineering and management to participate in the discussion. We had also industry and academia panel discussion and we invited people from software industries like TCS and Infosys.

We thank the Technical Program Committee members and all reviewers/sub-reviewers for their timely and thorough participation in the reviewing process.

We express our sincere gratitude to Shri Sanjib Kumar Rout, Chairman, C. V. Raman Group of Institutions, for allowing us to organize ICACIE 2016 on the campus. We also thank Prof. B. Bhattacharya, Principal, C. V. Raman College of Engineering, for his moral support. We thank Dr. Manmath Narayan Sahoo, NIT

Rourkela, Program Chair, for his valuable and timely support. We especially thank Dr. Chhabhi Rani Panigrahi, C. V. Raman College of Engineering, for her support in local arrangement to make ICACIE 2016 a grand success. We appreciate the time and efforts put in by the members of the local organizing team at C. V. Raman College of Engineering, Bhubaneswar, especially the student volunteers, administrative staff, account section staff, and hostel management staff, who dedicated their time and efforts to ICACIE 2016. We thank Mr. Swagat Ranjan Sahoo for designing and maintaining ICACIE 2016 website.

We are very grateful to all our sponsors, especially DRDO and other local supporters, for their generous support toward ICACIE 2016.

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Białystok, Poland
Kolkata, India
Bhubaneswar, India
Rourkela, India
Rourkela, India

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Progress in Advanced Computing and Intelligent
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