

Preface

SocProS is a 3-year old series of International Conferences held annually under the joint collaboration between a group of faculty members from IIT Roorkee, South Asian University Delhi and Liverpool Hope University, UK.

The first SocProS was held at IE(I), RLC, Roorkee, December 20–22, 2011, with General Chairs as Prof. Kusum Deep, Indian Institute of Technology Roorkee and Prof. Atulya Nagar, Liverpool Hope University, UK. It was a huge success and attracted participation from all over the world, including places like UK, US, France, South Africa, etc.

The second SocProS was held at JKLU, Jaipur, December 28–30, 2012 and was as successful as SocProS 11. Encouraged by the success of first two SocProS Conferences, this year this flagship conference—SocProS 13, which is the Third International Conference on Soft Computing for Problem Solving is being held at the Greater Noida Extension Centre of IIT Roorkee during December 26–28, 2013.

This year SocProS 13 was held as a part of the Golden Jubilee Celebrations of Saharanpur Campus of IIT Roorkee.

Like other SocProS conferences, the focus of SocProS 13 lies in Soft Computing and its applications to solve real life problems occurring in different domains ranging from medical and health care to supply chain management to image processing and cryptanalysis, etc.

SocProS 2013 attracted a wide spectrum of thought-provoking research papers on various aspects of Soft Computing with umpteen applications, theories, and techniques. A total of 158 research papers are selected for publication in the form of proceedings, which is in Volumes 1 and 2.

The editors would like to express their sincere gratitude to the Plenary Speakers, Invited Speakers, Reviewers, Programme Committee Members, International Advisory Committee, Local Organizing Committee, without whose support the quality and standards of the Conference as well as these Proceedings would not have seen the light of the day.

On the Institutional side, we would like to express our gratitude to Saharanpur Campus of Indian Institute of Technology Roorkee Campus, Roorkee, India to provide us a platform to host this Conference. Thanks are also due to the various sponsors of SocProS 2013.

We hope that the papers contained in this proceeding will prove helpful toward improving the understanding of Soft Computing at teaching as well as research level and will inspire more and more researchers to work in the field of Soft Computing.

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