Preface

It is a matter of pride that, the Annual Series of International Conference, called 'Soft Computing for Problem Solving' is entering its fifth edition as an established and flagship international conference. This annual event is a joint collaboration between a group of faculty members from institutes of repute like Indian Institute of Technology Roorkee; South Asian University, Delhi; NIT Silchar and Liverpool Hope University, UK. The first in the series of SocProS started in 2011 and was held from 20 to 22 December at the IIT Roorkee Campus with Prof. Deep (IITR) and Prof. Nagar (Liverpool Hope University) as the General Chairs. JKLU Jaipur hosted the second SocProS from 28 to 30 December 2012. Coinciding with the Golden Jubilee of the IIT Roorkee's Saharanpur Campus, the third edition of this international conference, which has by now become a brand name, took place at the Greater Noida Extension Centre of IIT Roorkee during 26–28 December 2013. The fourth conference took place at NIT Silchar during 27–29 December 2014. Like earlier SocProS conferences, the focus of SocProS 2015 is on Soft Computing and its applications to real-life problems arising in diverse areas of image processing, medical and healthcare, supply chain management, signal processing and multimedia, industrial optimisation, cryptanalysis, etc. SocProS 2015 attracted a wide spectrum of thought-provoking articles. A total of 175 high-quality research papers were selected for publication in the form of this two-volume proceedings.

We hope that the papers contained in this proceeding will prove helpful towards improving the understanding of Soft Computing at the teaching and research levels and will inspire more and more researchers to work in the field of Soft Computing. The editors express their sincere gratitude to SocProS 2015 Patron, Plenary Speakers, Invited Speakers, Reviewers, Programme Committee Members, International Advisory Committee, and Local Organizing Committee; without whose support the quality and standards of the conference could not be maintained. We express special thanks to Springer and its team for this valuable support in the publication of this proceedings.

Over and above, we express our deepest sense of gratitude to the 'Indian Institute of Technology Roorkee' to facilitate the hosting of this conference. Our sincere thanks to all the sponsors of SocProS 2015.

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