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Raja Natarajan (Ed.)

# Distributed Computing and Internet Technology

10th International Conference, ICDCIT 2014  
Bhubaneswar, India, February 6-9, 2014  
Proceedings



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## Volume Editor

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# Preface

Welcome to the proceedings of the 10th International Conference on Distributed Computing and Internet Technology (ICDCIT) held during February 6–9, 2014, at the Kalinga Institute of Information Technology (KIIT) University in Bhubaneswar, India. The ICDCIT 2014 conference was sponsored by KIIT University. ICDCIT is an international forum for the discussion of contemporary research in distributed computing, Internet technologies, and related areas. Proceedings of all the past nine ICDCIT conferences have been published in the Springer LNCS series – volume 3347 (year 2004), 3816 (2005), 4317 (2006), 4882 (2007), 5375 (2008), 5966 (2010), 6536 (2011), 7154 (2012), and 7753 (2013).

ICDCIT 2014 received 205 abstracts, of which 197 (from nine countries) were followed by their full versions. The Program Committee consisted of 44 members from 15 countries. Each submission was reviewed by at least two Program Committee members, and on average by three Program Committee members, with the help of 62 external reviewers. The Program Committee meeting was conducted electronically over a period of two weeks in October 2013. The Program Committee decided to accept 29 papers (15%) for presentation and publication in the LNCS proceedings. The accepted papers fall into two disjoint categories, viz., regular papers and short papers. Among the 29 accepted papers, 18 are regular papers with a maximum length of 12 pages each, and 11 are short papers with a maximum length of six pages each. The Program Committee decided to introduce the category of short papers in order to make the conference more inclusive, and to provide greater scope for interesting conference presentations and discussions. We would like to thank all the Program Committee members for their hard work dedicated to reviews and discussions, and all the external reviewers for their invaluable contributions.

This volume also contains the full papers of six distinguished invited speakers: Gérard Berry (Collège de France, France), Bud Mishra (Courant Institute, USA), Elizabeth Buchanan (University of Wisconsin-Stout, USA), Anupam Datta (CMU, USA), Vivek Borkar (IIT Bombay, India), and François Fages (INRIA Paris-Rocquencourt, France). We would like to thank all the invited speakers for readily accepting our invitations to speak and also for sending their papers.

Our thanks to Achyuta Samanta (Founder KIIT), for his support of ICDCIT 2014 and for providing the infrastructure of KIIT to organize the conference. We are grateful to KIIT for sponsoring ICDCIT 2014. Our thanks to P.P. Mathur (Vice-Chancellor, KIIT) for the sponsorship. We are grateful to Maurice Herlihy (General Chair) and the Advisory Committee for their invaluable support and guidance. We are indebted to Arup Abhinna Acharya (Organizing Chair), D.N. Dwivedy, and Hrushikesh Mohanty for their tireless efforts that made ICDCIT 2014 in Bhubaneswar possible.

Our thanks to all the authors whose scholarly submissions offered an interesting technical program. EasyChair made the handling of submissions and the production of the proceedings extremely smooth and efficient. For the publishing process at Springer, we would like to thank Alfred Hofmann and Anna Kramer for their constant help and cooperation. We acknowledge the Tata Institute of Fundamental Research (TIFR) for providing the infrastructural support to carry out this editorial work.

Our thanks to all the participants for the lively interactions that made ICD-CIT 2014 enjoyable.

February 2014

Raja Natarajan

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