Advances in Intelligent Systems and Computing

Volume 328

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Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014

Volume 2

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ISSN 2194-5357 ISSN 2194-5365 (electronic)
ISBN 978-3-319-12011-9 ISBN 978-3-319-12012-6 (eBook)
DOI 10.1007/978-3-319-12012-6

Library of Congress Control Number: 2014951353

Springer Cham Heidelberg New York Dordrecht London

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Printed on acid-free paper

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Preface

This AISC volume-II contains 88 papers presented at the Third International Conference on Frontiers in Intelligent Computing: Theory and Applications (FICTA-2014) held during 14–15 November 2014 jointly organized by Bhubaneswar Engineering College (BEC), Bhubaneswar, Odisa, India and CSI Student Branch, Anil Neerukonda Institute of Technology and Sciences, Vishakhapatnam, Andhra Pradesh, India. It once again proved to be a great platform for researchers from across the world to report, deliberate and review the latest progresses in the cutting-edge research pertaining to intelligent computing and its applications to various engineering fields. The response to FICTA 2014 has been overwhelming. It received a good number of submissions from the different areas relating to intelligent computing and its applications in main track and five special sessions and after a rigorous peer-review process with the help of our program committee members and external reviewers finally we accepted 182 submissions with an acceptance ratio of 0.43. We received submissions from eight overseas countries including India.

The conference featured many distinguished keynote addresses by eminent speakers like Dr. A. Govardhan, Director, SIT, JNTUH, Hyderabad, Dr. Bulusu Lakshmana Deekshatulu, Distinguished fellow, IDRBT, Hyderabad and Dr. Sanjay Sen Gupta, Principal scientist, NISC & IR, CSIR, New Delhi. The five special sessions were conducted during the two days of the conference.

Dr. Vipin Tyagi, Jaypee University of Engg and Tech, Guna, MP conducted a special session on “Cyber Security and Digital Forensics", Dr. A. Srinivasan, MNAJEC, Anna University, Chennai and Prof. Vikrant Bhateja, Sri Ramswaroop Memorial Group of Professional colleges, Lucknow conducted a special session on “Advanced research in ‘Computer Vision, Image and Video Processing”. Session on “Application of Software Engineering in Multidisciplinary Domains" was organized by Dr Suma V., Dayananda Sagar Institutions, Bangalore and Dr Subir Sarkar, Former Head, dept of ETE, Jadavpur University organized a special session on “ Ad-hoc and Wireless Sensor Networks”.

We take this opportunity to thank all Keynote Speakers and Special Session Chairs for their excellent support to make FICTA 2014 a grand success.

The quality of a referred volume depends mainly on the expertise and dedication of the reviewers. We are indebted to the program committee members and external

reviewers who not only produced excellent reviews but also did in short time frames. We would also like to thank Bhubaneswar Engineering College (BEC), Bhubaneswar having coming forward to support us to organize the third edition of this conference in the series. Our heartfelt thanks are due to Er. Pravat Ranjan Mallick, Chairman, KGI, Bhubaneswar for the unstinted support to make the conference a grand success. Er. Alok Ranjan Mallick, Vice-Chairman, KGI, Bhubaneswar and Chairman of BEC deserve our heartfelt thanks for continuing to support us from FICTA 2012 to FICTA 2014. A big thank to Sri V Thapovardhan, the Secretary and Correspondent of ANITS and Principal and Directors of ANITS for supporting us in co-hosting the event. CSI Students Branch of ANITS and its team members have contributed a lot to FICTA 2014. All members of CSI ANITS team deserve great applause.

We extend our heartfelt thanks to Prof. P.N. Suganthan, NTU Singapore and Dr. Swagatam Das, ISI Kolkota for guiding us. Dr. B.K. Panigrahi, IIT Delhi deserves special thanks for being with us from the beginning to the end of this conference. We would also like to thank the authors and participants of this conference, who have considered the conference above all hardships. Finally, we would like to thank all the volunteers who spent tireless efforts in meeting the deadlines and arranging every detail to make sure that the conference can run smoothly. All the efforts are worth and would please us all, if the readers of this proceedings and participants of this conference found the papers and conference inspiring and enjoyable.

Our sincere thanks to all press print & electronic media for their excellent coverage of this conference.

November 2014

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