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K. C. Santosh · Bharti Gawali (Eds.)

Recent Trends in Image Processing and Pattern Recognition

Third International Conference, RTIP2R 2020
Aurangabad, India, January 3–4, 2020
Revised Selected Papers, Part I

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Preface

It is our great pleasure to introduce the collection of research papers in the Communications in Computer and Information Science (CCIS) Springer series from the third Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R). The RTIP2R conference event took place at Dr. B.A.M. University, Aurangabad, Maharashtra, India, during January 03–04, 2020, in collaboration with the Department of Computer Science, University of South Dakota (USA). Further, as in 2018, the conference had a very successful workshop titled Pattern Analysis and Machine Intelligence (PAMI), with more than 100 participants.

As announced in the call for papers, RTIP2R attracted current and/or recent research on image processing, pattern recognition, and computer vision with several different applications, such as document understanding, biometrics, medical imaging, and image analysis in agriculture. Altogether, we received 329 submissions and accepted 106 papers for conference presentations. Unlike in the past, conference chairs' reports were also considered to decide on publication. Based on thorough review reports, the conference chairs decided to move forward with 78 papers for publication. As a result, the acceptance rate was 23.70%. As before, we followed a double-blind submission policy and therefore the review process was extremely solid. On average, for a conference presentation, there were at least two reviews per paper except the few that had desk rejections. We also made the authors aware of plagiarism and rejected some of them even after conference presentations.

In brief, the event was found to be a great platform bringing together research scientists, academics, and industry practitioners. Following those review reports, we categorized the papers into five different tracks: a) computer vision and applications; b) data science and machine learning; c) image analysis and recognition; d) healthcare informatics and medical imaging; e) image and signal processing in agriculture.

The conference event (with more than 150 participants) was full of new ideas, including those presented by the primary keynote speaker Prof. Umapada Pal, Indian Statistical Institute (ISI), Kolkata, India.

October 2020

K. C. Santosh
Bharti Gawali

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Conference website: rtip2r-conference.org

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