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Recent Trends in Image Processing and Pattern Recognition

Second International Conference, RTIP2R 2018
Solapur, India, December 21–22, 2018
Revised Selected Papers, Part II

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Preface

It is our great pleasure to introduce the collection of research papers in the *Communication in Computer and Information Science* (CCIS) Springer series from the second Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R). The RTIP2R conference event took place at the Solapur University, Maharastra, India, during December 21–22, 2018, in collaboration with the Department of Computer Science, University of South Dakota (USA) and Universidade de Evora (Portugal). Further, the conference had a very successful workshop titled Pattern Analysis and Machine Intelligence (PAMI): Document Engineering to Healthcare, with more than 70 participants.

As announced in the Call For Paper, 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 371 submissions and accepted 173 papers based on our thorough review reports. We followed a double-blind submission policy and therefore the review process was extremely solid. On average, there were at least three reviews per paper except the few that had desk rejections, and therefore we had 859 review reports. We also made the authors aware of plagiarism, and rejected a few of them even after making review reports.

During the event, we hosted more than 200 participants from more than 29 different countries, such as USA, Vietnam, Australia, Russia and Sri Lanka (not just limited to India). In brief, the event was found to be a great platform bringing together research scientists, academics, and industry practitioners throughout the world. We categorized the papers into five different tracks: (a) computer vision and applications; (b) machine learning and applications; (c) document analysis; (d) healthcare and medical imaging; (e) biometrics and applications; (f) data mining, information retrieval and applications; (g) image processing; and (h) image analysis in agriculture.

We also selected the best papers based on the review reports, review scores, and presentations at the conference, and provided authors an opportunity to publish their extended works in the following journals: (a) *Multimedia Tools and Applications* (Springer); (b) *International Journal of Ambient Computing and Intelligence* (IGI Global); and (c) *Journal of Healthcare Informatics Research* (Springer).

The conference event was full of new ideas, including keynote speeches that were from (a) Sameer Antani, National Institutes of Health; (b) Mohan Gundeti, University of Chicago Medicine; and (c) Ernest Cachia, University of Malta.

April 2019

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