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Preface

The Second International Conference on Computer Vision and Image Processing (CVIP 2017) was organized at Indian Institute of Technology Roorkee (IITR), Greater Noida Extension Center, during September 09–12, 2017. The conference was endorsed by International Association of Pattern Recognition (IAPR) and was primarily sponsored by MathWorks. CVIP 2017 brought together delegates from around the globe in the focused area of computer vision and image processing, facilitating exchange of ideas and initiation of collaborations. Among 175 paper submissions, 64 (37%) were accepted based on multiple high-quality reviews provided by the members of our technical program committee from ten different countries. We, the organizers of the conference, were ably guided by its advisory committee comprising distinguished researchers in the field of computer vision and image processing from seven different countries. A rich and diverse technical program was designed for CVIP 2017 comprising five plenary talks and paper presentations in seven oral and two poster sessions. Emphasis was given to the latest advances in Cybernetic Health, Perception of Visual Sentiment, Reshaping of Human Figures in Images and Videos using 3D Morphable Models, Vision and Language, and Challenges in Biometric System Development. The papers for the technical sessions were divided based on their theme relating to Computer Vision Applications, Document Image Analysis, Machine Learning and Uncertainty Handling, Surveillance and Security, Summarization, Retrieval and Recognition, and Low-level Computer Vision. This edited volume contains the papers presented in the technical sessions of the conference, organized session-wise. Organizing CVIP 2017, which culminates with the compilation of the volume of proceedings, has been a gratifying and enjoyable experience for us. The success of the conference was due to synergistic contributions of various individuals and groups including the international advisory committee members with their invaluable suggestions, the technical program committee members with their timely high-quality reviews, the keynote speakers with informative lectures, the local organizing committee members with their unconditional help, and our sponsors and
endorsers with their timely support. Finally, we would like to thank Springer for agreeing to publish the proceedings in their prestigious Advances in Intelligent Systems and Computing (AISC) series. We hope the technical contributions made by the authors in these volumes presenting the proceedings of CVIP 2017 will be appreciated by one and all.

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