Lecture Notes in Computer Science 12305

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Pattern Recognition and Computer Vision

Third Chinese Conference, PRCV 2020
Nanjing, China, October 16–18, 2020
Proceedings, Part I

Springer

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ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-030-60632-9 ISBN 978-3-030-60633-6 (eBook)
https://doi.org/10.1007/978-3-030-60633-6

LNCS Sublibrary: SL6 – Image Processing, Computer Vision, Pattern Recognition, and Graphics

This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

Welcome to the proceedings of the Third Chinese Conference on Pattern Recognition and Computer Vision (PRCV 2020) held in Nanjing, China.

PRCV is the merger of Chinese Conference on Pattern Recognition (CCPR) and Chinese Conference on Computer Vision (CCCV), which are both the most influential Chinese conferences on pattern recognition and computer vision, respectively. Pattern recognition and computer vision are closely interrelated and the two communities are largely overlapping. The goal of merging CCPR and CCCV into PRCV is to further boost the impact of the Chinese community in these two core areas of artificial intelligence and further improve the quality of academic communication. Accordingly, PRCV is co-sponsored by four major academic societies of China: the Chinese Association for Artificial Intelligence (CAAI), the China Computer Federation (CCF), the Chinese Association of Automation (CAA), and the China Society of Image and Graphics (CSIG).

PRCV aims at providing an interactive communication platform for researchers from academia and industry. It promotes not only academic exchange, but also communication between academia and industry. In order to keep at the frontier of academic trends and share the latest research achievements, innovative ideas, and scientific methods in the fields of pattern recognition and computer vision, international and local leading experts and professors are invited to deliver keynote speeches, introducing the latest advances in theories and methods in the fields of pattern recognition and computer vision.

PRCV 2020 was hosted by Nanjing University of Science and Technology and was co-hosted by Nanjing University of Information Science and Technology, Southeast University, and JiangSu Association of Artificial Intelligence. We received 402 full submissions. Each submission was reviewed by at least three reviewers selected from the Program Committee and other qualified researchers. Based on the reviewers' reports, 158 papers were finally accepted for presentation at the conference, including 30 orals, 60 spotlights, and 68 posters. The acceptance rate is 39%. The proceedings of PRCV 2020 are published by Springer.

We are grateful to the keynote speakers, Prof. Nanning Zheng from Xi'an Jiaotong University, China, Prof. Jean Ponce from PSL University, France, Prof. Mubarak Shah from University of Central Florida, USA, and Prof. Dacheng Tao from The University of Sydney, Australia.

We give sincere thanks to the authors of all submitted papers, the Program Committee members and the reviewers, and the Organizing Committee. Without their contributions, this conference would not be a success. Special thanks also go to all of the sponsors and the organizers of the special forums; their support made the conference a success. We are also grateful to Springer for publishing the proceedings

and especially to Ms. Celine (Lanlan) Chang of Springer Asia for her efforts in coordinating the publication.

We hope you find the proceedings enjoyable and fruitful.

September 2020

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