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Pattern Recognition and Computer Vision

First Chinese Conference, PRCV 2018
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Proceedings, Part I

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Preface

Welcome to the proceedings of the First Chinese Conference on Pattern Recognition and Computer Vision (PRCV 2018) held in Guangzhou, China!

PRCV emerged from CCPR (Chinese Conference on Pattern Recognition) and CCCV (Chinese Conference on Computer Vision), which are both the most influential Chinese conferences on pattern recognition and computer vision, respectively. Pattern recognition and computer vision are closely inter-related 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 from industry. It promotes not only academic exchange, but also communication between academia and industry. In order to keep track of 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 2018 was hosted by Sun Yat-sen University. We received 397 full submissions. Each submission was reviewed by at least two reviewers selected from the Program Committee and other qualified researchers. Based on the reviewers' reports, 178 papers were finally accepted for presentation at the conference, including 24 oral and 154 posters. The acceptance rate is 45%. The proceedings of the PRCV 2018 are published by Springer.

We are grateful to the keynote speakers, Prof. David Forsyth from University of Illinois at Urbana-Champaign, Dr. Zhengyou Zhang from Tencent, Prof. Tamara Berg from University of North Carolina Chapel Hill, and Prof. Michael S. Brown from York University.

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 reading.

September 2018

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