Shiqi Yu · Zhaoxiang Zhang ·
Pong C. Yuen · Junwei Han ·
Tieniu Tan · Yike Guo ·
Jianhuang Lai · Jianguo Zhang (Eds.)

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Pattern Recognition and Computer Vision

5th Chinese Conference, PRCV 2022
Shenzhen, China, November 4–7, 2022
Proceedings, Part III

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Preface

Welcome to the proceedings of the 5th Chinese Conference on Pattern Recognition and Computer Vision (PRCV 2022) held in Shenzhen, China!

PRCV was established to further boost the impact of the Chinese community in pattern recognition and computer vision, which are 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 China Society of Image and Graphics (CSIG), the Chinese Association for Artificial Intelligence (CAAI), the China Computer Federation (CCF), and the Chinese Association of Automation (CAA).

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, 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 2022 was hosted by the Southern University of Science and Technology and Shenzhen Polytechnic. We received 564 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, 233 papers were finally accepted for presentation at the conference, comprising 40 oral presentations and 193 posters. The acceptance rate was 41%. The conference took place during November 4–7, 2022, and the proceedings are published in this volume in Springer's Lecture Notes in Computer Science (LNCS) series.

We are grateful to the keynote speakers, Alan Yuille from Johns Hopkins University, USA, Kyoung Mu Lee from the Korea National Open University, South Korea, Zhengyou Zhang from the Tencent AI Lab, China, Yaonan Wang from Hunan University, China, Wen Gao from the Pengcheng Laboratory and Peking University, China, Hong Qiao from the Institute of Automation, Chinese Academy of Sciences, China, and Muming Poo from the Institute of Neuroscience, Chinese Academy of Sciences, China.

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 have been possible. Special thanks also go to all of the sponsors.

October 2022

Tieniu Tan
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