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Multiscale Multimodal Medical Imaging

Third International Workshop, MMMI 2022 Held in Conjunction with MICCAI 2022 Singapore, September 22, 2022 Proceedings



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Preface

On behalf of the organizing committee, we welcome you to the 3rd International Workshop on Multiscale Multimodal Medical Imaging (MMMI 2022), held in conjunction with the International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2022) in Singapore. The workshop was organized through the combined efforts of the Massachusetts General Hospital and Harvard Medical School, the University of Southern California, Peking University, Vanderbilt University, and the University of Sydney.

This series of MMMI workshops aims to develop the state of the art in acquiring and analyzing medical images at multiple scales and from multiple modalities. Topics of the workshop include algorithm development, implementation of methodologies, and experimental studies. The workshop also aims to facilitate more communication and interchange of ideas between researchers in the fields of clinical study, medical image analysis, and machine learning.

Since the first edition in 2019 (Shenzhen, China), the MMMI workshop has been well received by the MICCAI community. This year, the workshop's theme was novel methodology development for multi-modal fusion. MMMI 2022 received a total of 18 submissions. All submissions underwent a double-blind peer-review process, each being reviewed by at least two independent reviewers and one Program Committee (PC) member. Finally, 12 submissions were accepted for presentation at the workshop, which are included in this proceedings, based on the PC review scores and comments. The time and efforts of all the PC members and reviewers, which ensured that the MMMI workshop would feature high-quality and valuable works in the field, are highly appreciated.

With the increasing application of multi-modal, multi-scale imaging in medical research studies and clinical practice, we envision that the MMMI workshop will continue to serve as an international platform for presenting novel works, discussing essential challenges, and promoting collaborations within the community. We would like to thank everyone for the hard work, and see you next year!

September 2022

Xiang Li Jinglei Lv Yuankai Huo Bin Dong Richard M. Leahy Quanzheng Li

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