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Advances in Visual Computing

14th International Symposium on Visual Computing, ISVC 2019
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Proceedings, Part II

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Preface

It is with great pleasure that we welcome you to the proceedings of the 14th International Symposium on Visual Computing (ISVC 2019), which was held in Lake Tahoe, Nevada, USA, during October 7–9, 2019. ISVC provides a common umbrella for the four main areas of visual computing including vision, graphics, visualization, and virtual reality. The goal is to provide a forum for researchers, scientists, engineers, and practitioners throughout the world to present their latest research findings, ideas, developments, and applications in the broader area of visual computing.

This year, the program consisted of 13 oral sessions, 2 special tracks, 3 tutorials, and 6 keynote presentations. We received 163 submissions from which we accepted 62 papers for oral presentation and 29 papers for poster presentation. Special track papers were solicited separately through the Organizing and Program Committees of each track. A total of 9 papers were accepted for oral presentation in the special tracks.

All papers were reviewed with an emphasis on the potential to contribute to the state of the art in the field. Selection criteria included accuracy and originality of ideas, clarity and significance of results, and presentation quality. The review process was quite rigorous, involving three independent blind reviews followed by several days of discussion. During the discussion period we tried to correct anomalies and errors that might have existed in the initial reviews. Despite our efforts, we recognize that some papers worthy of inclusion may have not been included in the program. We offer our sincere apologies to authors whose contributions might have been overlooked.

We wish to thank everybody who submitted their work to ISVC 2019 for review. It was because of their contributions that we succeeded in having a technical program of high scientific quality. In particular, we would like to thank the ISVC 2019 area chairs, the organizing institutions, the industrial sponsors, the international Program Committee, the special track organizers and their Program Committees, the keynote speakers, the reviewers, and especially the authors who contributed their work to the symposium. In particular, we would like to express our appreciation to Springer for sponsoring the Best Paper Award this year.

We sincerely hope that ISVC 2019 offered participants opportunities for professional growth.

September 2019

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ST2: Computational Vision, AI and Mathematical Methods for Biomedical and Biological Image Analysis

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T1: Analysis and Visualization of 3D Data in Python

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T2: Computer Vision for Underwater Environmental Monitoring

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T3: Visual Object Tracking Using Deep Learning

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