Message from the 3DV 2016 Program Chairs

We would like to welcome you to Stanford for the 2016 edition of the IEEE International Conference on 3D Vision (3DV 2016). In recent years, the field of 3D computer vision has grown fast, due to many exciting recent developments, such as the advent of new sensors, rapid advances in deep learning, and the increasing number of researchers working on novel algorithms for robust 3D and 4D scene analysis. Today, 3D Vision is a lively research area, and its relevance permeates into many other disciplines. It is the prospect of exciting new applications, for instance, in robotics, autonomous systems, general scene interpretation, man/machine interaction, virtual and augmented reality, or 3D video and displays that has further added to the momentum in this field. Many of these applications require at their core the solution to many hard 3D computer vision problems. In addition, 3D vision research has an inherent strong connection to computer graphics research, and in recent years we have witnessed more and more exciting research on the boundary between the two fields.

The International Conference on 3D Vision has developed into a premiere venue to showcase state-of-the-art work in 3D computer vision and related disciplines. Many fundamental challenges in 3D vision are still unresolved and we are pleased that this edition of 3DV proposes a number of important new approaches to address these open problems. 3DV 2016 received 171 valid paper submissions, of which we accepted 17 papers for oral presentation and 59 papers for poster presentation. Each paper was handled by one of 20 area chairs. Each paper was assigned to an area chair who in turn assigned three reviewers out of a reviewer pool of 136 reviewers. Since there was no author rebuttal this year, the final decision for each paper was made by the two area chairs based on reviewer recommendations and in close coordination with the program chairs. The three-day program of oral and poster presentations is augmented with an extra day of tutorials. We are also happy to have six invited speakers from academia and industry who will tell us about their work and share with us their vision of the future of the field.

We would like to thank everyone who helped to make this conference a success, in particular all members of the organizing committee, the area chairs, the reviewers, our invited speakers, and, most importantly, the authors who have contributed the research to the conference. We would also like to thank all our sponsors, and express our gratitude to the CMT team and the team behind the Toronto matching system for their support.

Noah Snavely, Cornell University
Daniel Cremers, Technical University of Munich
Ian Reid, University of Adelaide
Sanja Fidler, University of Toronto
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