

**W19 – Third International Workshop on
Video Segmentation**

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The Third International Workshop on Video Segmentation (IWVS) was held in Munich, Germany on September 14th, 2018, in conjunction with the European Conference on Computer Vision (ECCV). This is the third edition of the workshop, followed after the successful first and second IWVS in 2014 in Zürich, and 2016 in Amsterdam, respectively. Video segmentation could be of crucial importance for building 3D object models from video, understanding dynamic scenes, robot-object interaction and a number of high-level vision tasks. The theme of this workshop is *Video representation and segmentation in the deep learning era* which focuses on the conjunction between video segmentation and recent advances in deep learning for recognition, especially the learning of representations from video segmentation. This workshop is co-located with the workshop YouTube-VOS: A Large-Scale Benchmark for Video Object Segmentation which includes a fascinating challenge on video segmentation with 4000+ videos.

The workshop consisted of 4 invited talks, 1 invited short talk, and 2 talks from submitted work, and a panel discussion. Talks from the submissions are present in this conference proceedings. The workshop had received 4 valid submissions. The submissions were of very high quality. These submissions were reviewed by at least 2 separate organizers and discussed to decide on their acceptance. We would like to thank all the authors who submitted to the workshop.

The 2 papers in this proceedings covered using referring expressions as supervision for video segmentation, as well as a fast semantic segmentation approach in video using motion.

The invited talks were presented by Dr. Cordelia Schmid from INRIA, Dr. Daniel Cremers from Technical University of Munich, Dr. Bernt Schiele from Max Planck Institute for Informatics, and Dr. Vladlen Koltun from Intel Research. These invited speakers have also attended the panel discussion. Dr. Jordi Pont-Tuset from Google Research presented the invited short talk.

We would like to thank the ECCV 2018 workshop chairs (Stefan Roth and Laura Leal-Taixe) for their support and feedback. We would also like to thank all the invited speakers, authors who presented at the workshop and the attendees, as well as the organizers of the workshop YouTube-VOS: A Large-Scale Benchmark for Video Object Segmentation.

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