

3DV 2024

Davos, Switzerland

International Conference
on 3D Vision
March 18-21, 2024



Call for Papers

We invite submissions to the 11th International Conference on 3D Vision (3DaVos 2024), which will be held in Davos, Switzerland, on March 18-21, 2024. Since 2013, under the name 3DV, this event provides a platform for disseminating research results covering a broad variety of topics in the area of 3D computer vision and graphics, from novel optical sensors, signal processing, geometric modeling, representation and transmission, to visualization, analysis, interaction, and a variety of applications. 3DV 2024 will showcase high-quality single-track oral and poster presentations and demonstration sessions. It will also feature industrial exhibitions held in conjunction with the main conference. Proposals for Workshops and Tutorials are also invited. Topics of interest include, but are not limited to:

ACQUISITION

- Geometry
- Calibration
- Physics-based vision and shape from X
- Photogrammetry
- Structure from motion and SLAM
- Dense reconstruction and stereo
- Structured light and TOF sensors
- Computational photography

ANALYSIS

- Shape recognition and analysis
- Segmentation
- Motion and tracking
- Body, face and gesture
- CAD data analysis
- Dataset and benchmarking

RENDERING AND INTERACTION

- Neural rendering
- Image-based rendering
- Applied perception
- Augmented and mixed reality

MODELLING

- Shape representation and features
- Geometry processing
- Appearance modelling
- Registration
- 4D dynamic shape
 - Generative and morphable models
- 3D motion modelling
 - High-level representation of 3D data

APPLICATIONS

- Robotics
- Cultural heritage
- Industrial
- Space
- Medical
- Entertainment
- Digital fabrication
- Sports
- Biology

General Chairs

Marc Pollefeys

Konrad Schindler

ETH Zürich

Program Chairs

Andrea Tagliasacchi,

Simon Fraser University / Google

Siyu Tang

ETH Zürich

Federico Tombari

TU Munich / Google

Important dates

Paper submission: July 31, 2023

Supplementary: August 7, 2023

Paper notification: October 15, 2023

Camera ready: December 1, 2023

Conference: March 18-21, 2024