

3DV 2025

Singapore

March 25-28, 2025

International Conference on 3D Vision

Call for Papers

We invite submissions to the 12th International Conference on 3D Vision (3DV) 2025, which will be held in Singapore, on **March 25-28, 2025**. Since 2013, under the name 3DV, this event has been a platform for disseminating research results covering a broad variety of topics in 3D computer vision and graphics, from novel optical sensors, signal processing, geometric modeling, representations, to reconstruction, visualization, analysis, rendering, interaction, and a variety of applications. 3DV 2025 will showcase high-quality single-track oral and poster presentations and demonstration sessions. It will also feature industrial exhibitions and mentoring sessions 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
- Human-computer interaction
- Textured 3D scan completion

MODELING

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

APPLICATIONS

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

General Chairs

Gim Hee Lee

National University of Singapore

Leonidas Guibas

Stanford University

Jie Song

HKUST-GZ

Program Chairs

Jiajun Wu

Stanford University

Yiyi Liao

Zhejiang University

Martin R. Oswald

University of Amsterdam

Important Dates

Paper submission: Aug 12, 2024

Suppl. Material: Aug 19, 2024

Paper notification: Dec 1, 2024

Main conference: Mar 25-28, 2025