

2021 **ICCV** OCTOBER 11-17  
VIRTUAL



# 1st StruCo3D Workshop

Structural and Compositional Learning on 3D Data

[geometry.stanford.edu/struco3d](https://geometry.stanford.edu/struco3d)



# 2021 ICCV OCTOBER 11-17 VIRTUAL

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KEYNOTE

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VIRTUAL EXHIBITS



EXHIBITOR SESSIONS

# 2021 ICCV OCTOBER 11-17 VIRTUAL

Morgan Stanley

ICCV conference in 1987 in London. I can recognize Jim Little in the suit coat, Harry Voorhees with the backpack, Dan Huttenlocher with the shades and Davi Geiger in the light blue sweater. We were about to go find some curry @ICCV\_2021 #ICCV



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All Days Mon, Oct 11 Sat, Oct 16 Sun, Oct 17

## Workshops

29 results found.

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Saturday, October 16, 2021

4:00 AM – 8:15 AM PDT Vision Meets Drones 2021: A Challenge  
Chair: Pengfei Zhu – Tianjin University



4:00 AM – 11:00 AM PDT Deep Multi-Task Learning in Computer Vision  
Chair: Simon Vandenhende



4:00 AM – 12:00 PM PDT The ROAD challenge: Event detection for situation awareness in autonomous driving  
Chair: Fabio Cuzzolin



4:00 AM – 3:00 PM PDT Structural and Compositional Learning on 3D Data  
Chair: Kaichun Mo – Stanford University



# Structural and Compositional Learning on 3D Data

📅 Saturday, October 16, 2021 ⌚ 4:00 AM – 3:00 PM PDT

## Chair(s)

KM

**Kaichun Mo**

Ph.D. Student  
Stanford University

## Learning Objectives:

- Upon completion, participants will be able to learn that, unlike traditional connectionist approaches in deep learning, structural and compositional learning includes components that lean more towards the symbolic end of the spectrum, where data or functions are represented by a sparse set of separate and more clearly defined concepts. For example, in 3D objects, this could be a decomposition of an object into spatially localized parts and a sparse set of relationships between them, or in scenes, it could be a scene graph, where rich inter-object relationships are described. Similarly, a navigation or interaction task in robotics can also be decomposed into separate parts of concepts or submodules that are related by spatial, causal, or semantic relationships. Participants will also be able to have opinions and discuss regarding the following

Website link

Gatherly Link

Zoom Link

Discussion + Q & A

Poster

Livestream

Questions