Dingding Cai

PhD Student at Tampere University

✉ caidingding815@gmail.com
🖥 dingdingcai.github.io
Google Scholar

EDUCATION BACKGROUND

Oct 2020 - Present	**Tampere University**, *Tampere*, Finland. *Doctor of Science, Computing and Electrical Engineering*
Sep 2015 - Dec 2017	**Tampere University of Technology**, *Tampere*, Finland. *Master of Science (with distinction), Information Technology*
Sep 2011 - Jun 2015	**Sichuan University**, *Chengdu*, China. *Bachelor of Engineering, Software Engineering*

WORK EXPERIENCE

Oct 2020 - Present	**Doctoral Researcher**, *Tampere University*, Tampere, Finland. 6D object pose estimation and 3D scene understanding.
Apr 2019 - Oct 2020	**Senior Algorithm Engineer**, *Missfresh Ecommerce*, Shenzhen, China. Computer vision algorithms for smart vending machines and warehouse management.
Mar 2018 - Apr 2019	**Algorithm Engineer**, *Hahabianli*, Shenzhen, China. Anomaly detection and object detection algorithms for smart vending machines.
Jun 2016 - Mar 2018	**Research Assistant**, *Tampere University of Technology*, Tampere, Finland. Image super-resolution, classification, and video analysis.

SELECTED PUBLICATIONS

Under Review, 2024	Dingding Cai, Janne Heikkilä, Esa Rahtu, **GS-Pose: Cascaded Framework for Generalizable Segmentation-based 6D Object Pose Estimation**.
SCIA, 2023	Dingding Cai, Janne Heikkilä, Esa Rahtu, **MSDA: Monocular Self-supervised Domain Adaptation for 6D Object Pose Estimation**.
3DV, 2022	Dingding Cai, Janne Heikkilä, Esa Rahtu, **SC6D: Symmetry-agnostic and Correspondence-free 6D Object Pose Estimation**.
CVPR, 2022	Dingding Cai, Janne Heikkilä, Esa Rahtu, **OVE6D: Object Viewpoint Encoding for Depth-based 6D Object Pose Estimation**.
Pattern Recognition Letters, 2019	Dingding Cai, Ke Chen, Yanlin Qian, Joni-Kristian Kämäräinen, **Convolutional Low-resolution Fine-grained Classification**.

AWARDS AND HONOURS

Dec 2017	Graduation Award for Master of Science with Distinction, Finland
2011 - 2014	Annual First/Second Class Prize Scholarships, China