Dongliang Cao

+49 15156072980 | @ cao.dongliang97@gmail.com | GitHub | Bonn, Germany

EDUCATION

University of Bonn — Bonn, Germany
PhD candidate in Learning and Optimisation Group (Prof. Florian Bernard) — *April 2022 – now*

Technical University of Munich — Munich, Germany
*M.Sc. in Robitics, Cognition, Intelligence; **GPA: 1.4/1.0 (Top 20%)*** — *Sep 2019 – April 2022*

Hochschule Zittau/Görlitz — Zittau, Germany
B.Eng. in Mechatronics; Exchange student (Degree program) — *Sep 2018 – Sep 2019*

Tongji University — Shanghai, China
*B.Sc. in Mechatronics; **GPA: 88/100 (Top 20%)*** — *Sep 2015 – Sep 2018*

PUBLICATION

CVPR2024:Dongliang Cao, Marvin Eisenberg, Nafie El Amrani, Daniel Cremers, Florian Bernard. Spectral Meets Spatial: Harmonising 3D Shape Matching and Interpolation.[pdf]

CVPR2024: Weikang Wang, **Dongliang Cao**, Florian Bernard. Unsupervised 3D Structure Inference from Category-Specific Image Collections.

3DV2024: Dongliang Cao, Paul Roetzer, Florian Bernard. Revisiting Map Relations for Unsupervised Non-Rigid Shape Matching.[pdf]

Medical Image Analysis: Zhongliang Jiang, Yue Zhou, **Dongliang Cao**, Nassir Navab. DefCor-Net: Physics-Aware Ultrasound Deformation Correction.[pdf][code]

SIGGRAPH2023: Dongliang Cao, Paul Roetzer, Florian Bernard. Unsupervised Learning of Robust Spectral Shape Matching.[pdf][code][project page]

CVPR2023: Dongliang Cao, Florian Bernard. Self-Supervised Learning for Multimodal Non-Rigid 3D Shape Matching.[pdf][code] (*selected as highlight, 2.5% of submissions*)

ECCV2022: Dongliang Cao, Florian Bernard. Unsupervised Deep Multi-Shape Matching.[pdf][code]

INTERNSHIP

ABB, Global Research Center — Ladenburg, Germany
Research Intern, Thesis Student (Dr. Fan Dai) — *May 2019 – Sep 2019*
- *Software development for robotics automation*

TEACHING

University of Bonn — Bonn, Germany
Lecture Tutor for Numerical Algorithm (Prof. Florian Bernard) — *Nov 2021 – Feb 2022*
- *Tutorial lectures, exercise and exam correction*

Technical University of Munich — Munich, Germany
Lecture Tutor for Machine Learning (Prof. Stephan Günnemann) — *Oct 2020 – Feb 2021*
- *Exercise and exam correction*

AWARDS & ACHIEVEMENTS

Graduate with Distinction: Top 20% graduates from Technical University of Munich.

DAAD Scholarship: Scholarship for abroad student in Germany.

Tongji Scholarship of Excellence: Awarded to excellent students at Tongji University.