



Johannes Flotzinger

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Kelheim – Germany

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Scientific interests

- Structural inspection
- Computer vision
- Deep learning
- Sensor fusion
- Building materials

Education

2019. Masters in civil engineering
OTH Regensburg
Regensburg – Germany

2016. Bachelor in civil engineering
OTH Regensburg
Regensburg – Germany

2012. Abitur
Donau-Gymnasium Kelheim
Kelheim – Germany

Current situation

Since July 2020. **PhD candidate**

Institute for Structural Engineering, University of the Bundeswehr Munich. Lectures: Bridge construction, Fire protection; Research: Visual damage recognition on bridges

Experience

March 2019 – June 2020. **PhD student**

Institute for Building Materials, OTH Regensburg. Lectures: building materials, building repairs, structural damage, engineering mechanics; Research: rheology, durability and sustainability of self-compacting and sprayed concrete

Last publications

Johannes Flotzinger, Philipp J. Rösch, Thomas Braml (2024)

dacl10k: Benchmark for Semantic Bridge Damage Segmentation
Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision (WACV).
doi: [10.1109/WACV57701.2024.00843](https://doi.org/10.1109/WACV57701.2024.00843)

Flotzinger, J. et al. (2022) Building Inspection Toolkit: Unified Evaluation and Strong Baselines for Damage Recognition *IEEE International Conference on Image Processing (ICIP)*.
doi: [10.1109/ICIP46576.2022.9897743](https://doi.org/10.1109/ICIP46576.2022.9897743)

Code and websites

dacl.ai : Platform for damage recognition enthusiasts (researchers and practitioners) for sharing and comparing ML models.

[bikit](https://github.com/jflotzinger/bikit) : Python-API simplifying access to datasets and pretrained models in the bridge inspection domain.

Program. languages Languages

Python ● ● ● ●

C++ ● ● ● ●

German ● ● ● ●

English ● ● ● ●

French ● ● ● ●

Italian ● ● ● ●

Last updated: May, 2024.