



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

Mar. 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 (2023)

dacl10k: Benchmark for Semantic Bridge Damage Segmentation
arXiv. doi: <https://doi.org/10.48550/arXiv.2309.00460>

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/jfltngr/bikit) : Python-API simplifying access to datasets and pretrained
models in the bridge inspection domain.

Program. languages

Python ●●●○

C++ ●○○○

Languages

German ●●●●

English ●●●●

French ●●●○

Italian ●●○○

Last updated: October, 2023.