Chair for Integrated Systems
TUM Department of Electrical and Computer Engineering
Technical University of Munich

TUM

Master's Thesis

Convolutional Neural Networks for space image processing

- Develop an systematic and mathematical understanding of the principles of CNN,
- Object shape and intensity learning in space: methods, algorithms and CNN
- Object recognition in space with CNN, algorithms and methodologies
- Implementation in FPGA technology suitable for space, in VHDL language
- Evaluation of suitability of CNN for Space

Advisors

Walter Stechele