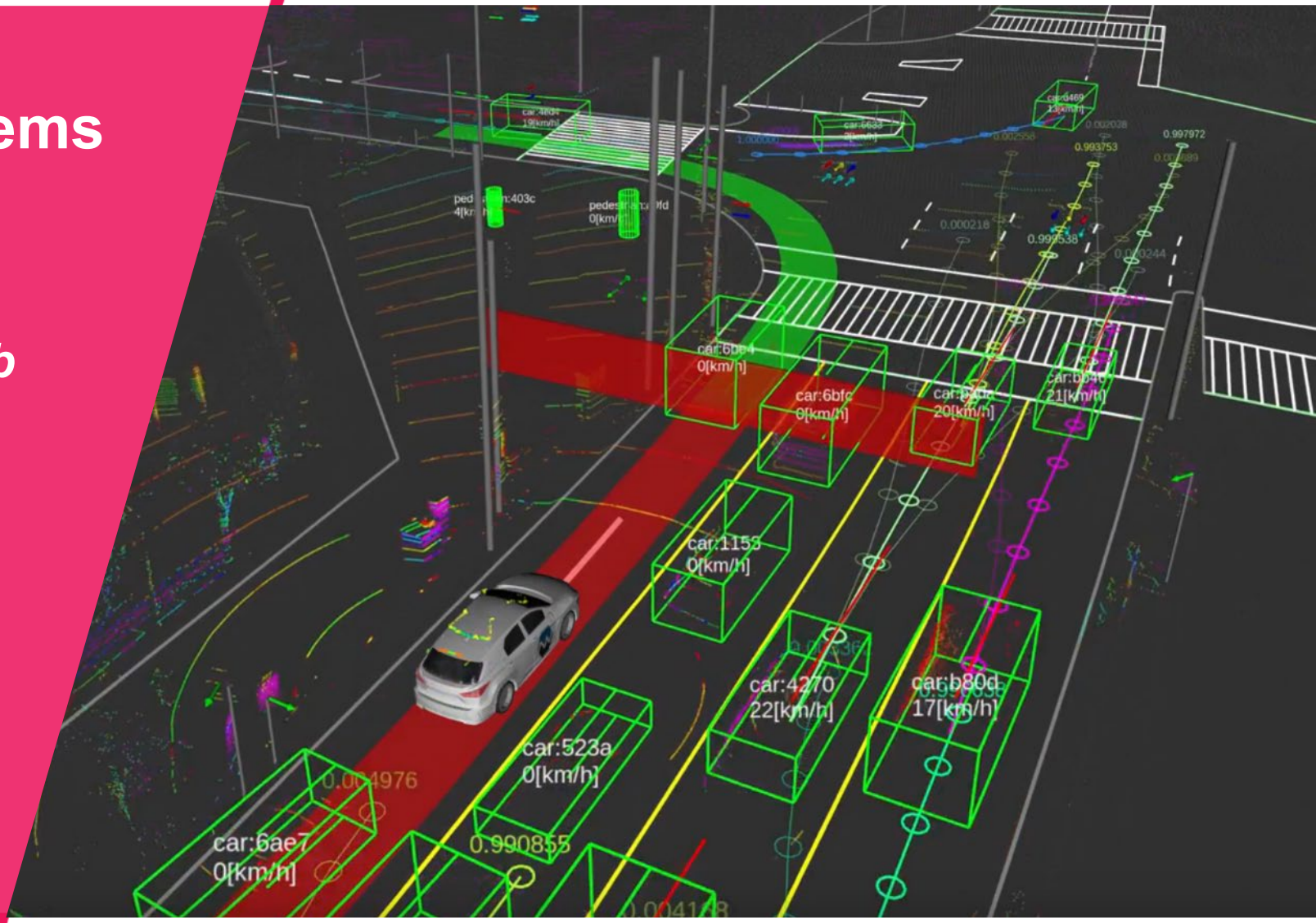
Technische Universiteit
Eindhoven
University of Technology

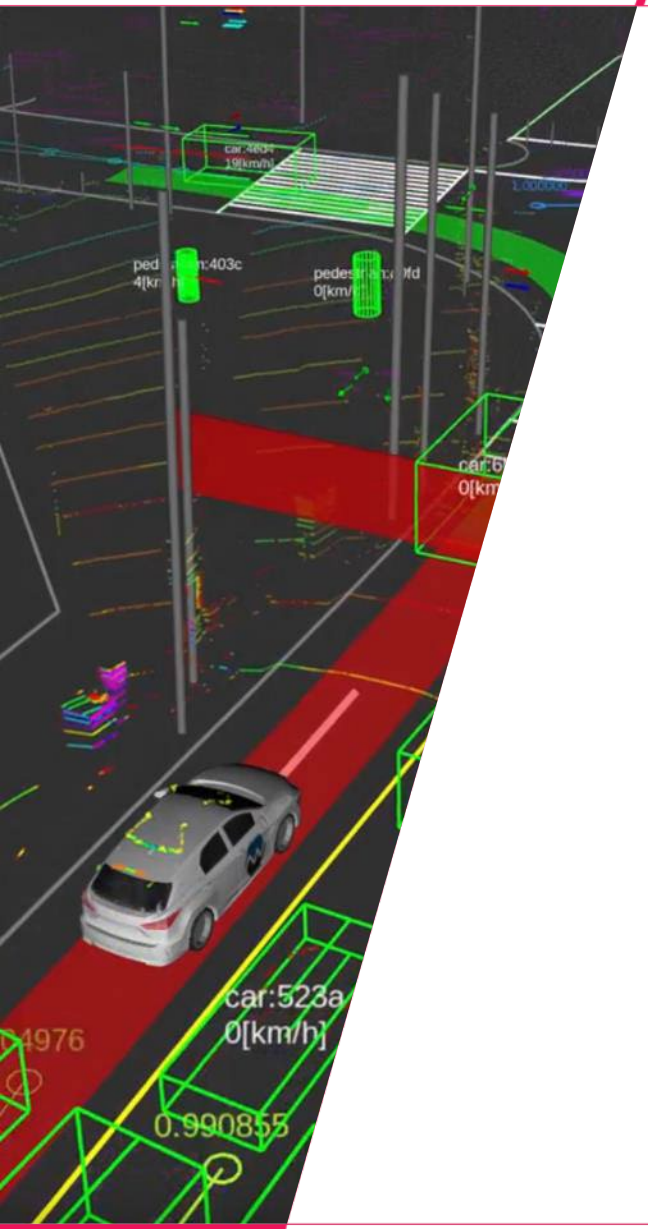
Signal Processing Systems

Mobile Perception Systems lab



Dr. Gijs Dubbelman

Where innovation starts



How to turn sensor data into meaningful data?

Use artificial intelligence (AI)

- Computer vision
- Pattern recognition
- Machine learning
- Deep learning

SPS group researches AI for automated vehicles

Education

Artificial intelligence:

5AUA0 Advanced Sensing Using Deep Learning
5LSM0 Convolutional neural networks for computer vision
5SSD0 Bayesian Machine Learning and Information Processing
5LSH0 Computer Vision and 3D Image Processing
5LSL0 Machine Learning for Signal Processing

Homologation:

5XSJ0 Automotive Sensing (BSc.)
5XSK0 Data Fusion and Semantic Interpretation (BSc.)

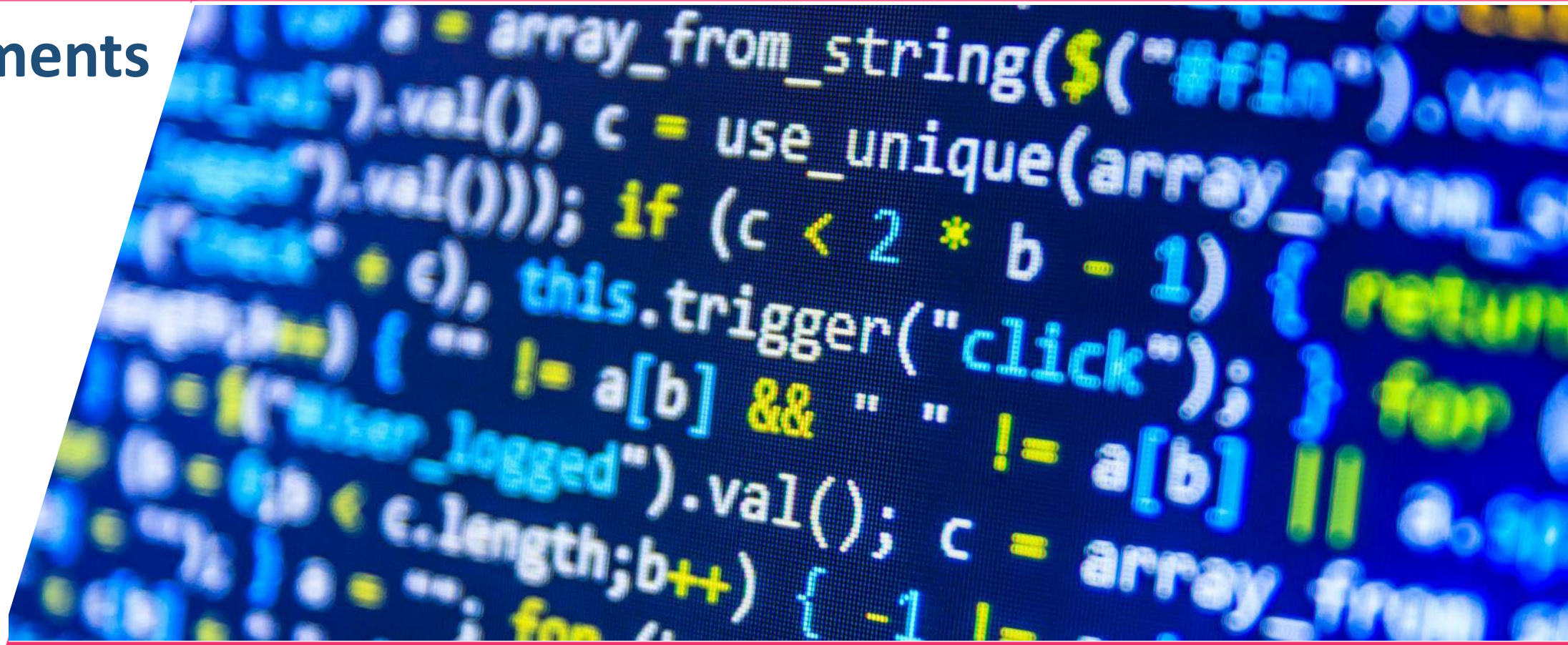
Projects:

All related to sensing for automated vehicles

Courses and Projects

TU/e research and development platforms

Requirements



Experience with and interested in programming Python (or similar)

Contact

Info meeting:

Friday 23 Sept – 11:00 – AT Lab

E-mail:

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Websites:

MPS website

tue-mps.github.io

Pavol Jancura

Signal Processing Systems group