CENTRE FOR CYBER-COGNITIVE INTELLIGENCE

Dr. Marco Huber
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Who am I?

PD Dr.-Ing. Marco Huber

2006 – 2009	Dissertation, Universität Karlsruhe (TH)
2009 – 2011	Group leader, Fraunhofer IOSB
2011 – 2015	Senior Researcher, AGT International
2015 – 2018	Chief Data Scientist, USU Software AG
From 10/2018	– Professor for Cognitive Production Systems, University of Stuttgart – Director, Centre for Cyber-Cognitive Intelligence, Fraunhofer IPA

Machine Learning, Data Analytics, Industry 4.0

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ZCCI: Centre for Cyber-Cognitive Intelligence

Central Contact Point for Machine Learning & Artificial Intelligence

- **Application and Expert Centre** for ML/AI in the German industry
  – for manufacturing companies and suppliers

- **Research, Development, Realization**: fundamentals and applications of ML/AI for production engineering, logistics, and automation

- **Technology Transfer:** demonstrators, events, training
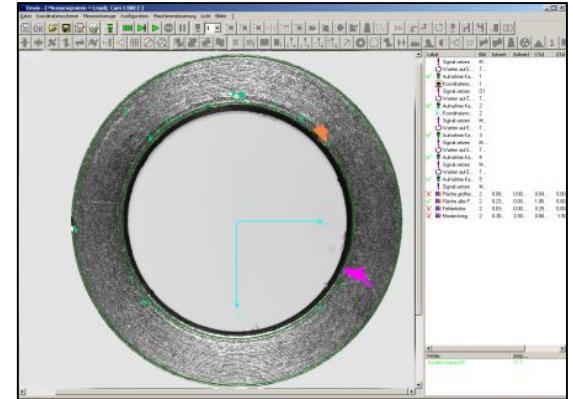

Open Lab Days

Quick Checks

Development of Solutions

Pilot Applications

Latest News

■ 1st Open Lab Day conducted on 5 July, 2018

■ ~30 applications received

■ 20 invitations for Quick Checks

■ Topics Outline:
  ■ Anomaly Detection
  ■ Image Processing
  ■ Audio Processing
  ■ Defect Classification
  ■ Process Control
  ■ Robotics

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Open Positions

Research Assistants:

- **Data Science** in Manufacturing

  https://recruiting.fraunhofer.de/Vacancies/39156/Description/1

- **Machine Learning** for Cognitive Manufacturing Systems

  https://recruiting.fraunhofer.de/Vacancies/39155/Description/1

10+ Positions　　**Applied Research**　　**Ph.D.**　　**GPU Cluster**

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Open Position (2)

Software Coordinators

- Responsible for coordination of
    - Tools & Standards
    - Software quality control
    - Development infrastructure, e.g., GitHub, GitLab
    - Computer inventory

- Maintenance of repositories of current software packages, e.g., navigation, object detection, or grasping

- Building up a new software development culture

- 2 open positions

Thank You

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