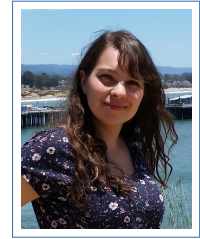


Monica (Haurilet) Zündorf

Curriculum Vitæ

Vincenz Priessnitz St 3
76131 Karlsruhe
Germany
☎ +49 72160844735
✉ haurilet@kit.edu



Education

- since 2016 **PhD student**,
Computer Vision for Human-Computer Interaction Lab,
Institute of Anthropomatics and Robotics,
Karlsruhe Institute of Technology, Karlsruhe, Germany.
Thesis: “Question Answering on Figures extracted from Learning Materials”
Supervisor: Prof. Dr.-Ing. Rainer Stiefelhagen
- 2012–2015 **M. Sc. in Computer Science – graduation with distinction**,
Computer Vision for Human-Computer Interaction Lab,
Institute of Anthropomatics and Robotics,
Karlsruhe Institute of Technology, Karlsruhe, Germany.
Thesis: “Completely Unsupervised Person Identification in TV-Series Using Subtitles”
Supervisor: Prof. Dr.-Ing. Rainer Stiefelhagen
- 2009–2012 **B. Sc. in Computer Science**,
High Performance Humanoid Technologies,
Institute of Anthropomatics and Robotics,
Karlsruhe Institute of Technology, Karlsruhe, Germany.
Thesis: “Analyzing Human Strategies for Haptic Exploration for a Humanoid Robot”
Supervisor: Prof. Dr.-Ing. Tamim Asfour

Professional Experience

- since 2016 **Research assistant**,
Computer Vision for Human-Computer Interaction Lab,
Karlsruhe Institute of Technology, Karlsruhe.
- Working on a system to help people with visual impairment navigate in outdoor environment
 - Project financed by Bundesministerium für Bildung und Forschung (BMBF)
 - More details at www.terrain-projekt.de
- 2014 – 2014 **Student assistant**,
Computer Vision for Human-Computer Interaction Lab,
Karlsruhe Institute of Technology, Karlsruhe.
Implementing algorithms for fast face detection using random forests.
- 2012 – 2013 **Teaching assistant**,
Department of Mathematics,
Karlsruhe Institute of Technology, Karlsruhe.
Conducted exercises and lectures for undergraduate students.
- 2010 – 2011 **Student assistant**,
Department of Economics and Management,
Karlsruhe Institute of Technology, Karlsruhe.
Implemented algorithms and data structures for optimization problems in logistics.

Scholarships and Awards

2017 **Textbook Question Answering Challenge.**

- First place at the TQA Challenge (Text Questions Track)
- Challenge organized in conjunction with **CVPR** by **AI2**
- More details at www.vuchallenge.org/tqa.html

2009 – 2014 Full scholarship financed by the Deutscher Akademischer Austauschdienst (DAAD)

Languages

Romanian native language

German fluent (speaking, reading, writing)

English fluent (speaking, reading, writing)

Computer skills

Proficient Python (TensorFlow, Theano, Lasagne, Numpy)

Familiar C++, Java, MATLAB

Research Interests

Visual Question Answering, Graph Neural Networks, Document Analysis

Selected Publications

2019 Following Soft Paths under Question-Guidance for Visual Reasoning. *Monica Haurilet, Alina Roitberg, Rainer Stiefelbogen*. Accepted at the IEEE Conference on Computer Vision for Pattern Recognition (**CVPR**).

2019 SPaSe – Multi-Label Page Segmentation for Presentation Slides. *Monica Haurilet, Ziad Al-Halah, Rainer Stiefelbogen*. IEEE Winter Conference on Applications of Computer Vision (**WACV**).

2018 MoQA – A Multi-Modal Question Answering Architecture. *Monica Haurilet, Ziad Al-Halah, Rainer Stiefelbogen*. ECCV Workshop on Shortcomings in Vision and Language (**SiVL Spotlight**). **Winning model of the TQA Challenge.**

Supervised Students

2018 Instance Segmentation using Mask R-CNN.
Student Intern.

2017 Semantic Segmentation and Depth Estimation from Monocular Images.
Practical Course.

2017 Mathematical Expression Recognition using Deep Neural Networks.
Bachelor Thesis.

2017 Multi-task Network Cascades for Weakly Supervised Instance Segmentation.
Master Thesis.