

1st official Workshop on the Topic

Programmable Processing for the Future and Autonomous Car

- From classical FPGA to heterogeneous MPSoC

11th July 2017 / Hochschule Ulm, 89075 Ulm, Germany

Agenda

09:00 – 10:00 Uhr	Registration
10:00 – 10:15 Uhr	Andreas Scheffer (Xilinx) & Endric Schubert (MLE): Welcome Note
10:15 – 10:45 Uhr	Anestis Terzis (Hochschule Ulm): Programmable Processing for the Future and Autonomous Car - Workshop Introduction.
10:50 – 11:45 Uhr	Felix Eberli (Supercomputing Systems AG): Hardwareaspekte Deep Learning - FPGAs für Computer Vision im Auto.
12:00 – 13:00 Uhr	Lunch
13:00 – 13:45 Uhr	Stephan Reuter & Karl Granström & Dominik Nuss & Alexander Scheel (University Ulm): Multi-Objekt-Tracking und Grid-Mapping für die Fahrzeugumfelderfassung unter Verwendung von Random-Finite-Sets.
14:00 – 14:45 Uhr	Rainer Lienhart (University Augsburg): Low-Precision Deep Neural Networks (DNN)- State-of-the-art, strengths and weaknesses, and a proposal for next steps to enable FPGAs to become a preferred computer platform for DNN inference.
15:00 – 16:30 Uhr	Nick Ni & Vinod Kathail & Kay Migge (Xilinx): Machine Learning Technologies, Effective Data Types for CNN, Caffe to Zynq Design Flow, High-Level Synthesis - From C/C++ to FPGA.
16:30 – 17:00 Uhr	Anestis Terzis (Hochschule Ulm): Closing the Workshop, Outlook

Program Committee Prof. Dr. A. Terzis, Dr. E. Schubert, M. Güthoff **Conference Language** German and English
Contact Prof. Dr. A. Terzis, Eberhard-Finckh-Straße 11, 89075 Ulm, Fon: +49 (0731) 50-28341, terzis@hs-ulm.de



1st official Workshop on the Topic

Programmable Processing for the Future and Autonomous Car

- From classical FPGA to heterogeneous MPSoC

11th July 2017 / Hochschule Ulm, 89075 Ulm, Germany



The Workshop will take place:

Hochschule Ulm
Campus Albert-Einstein-Allee
Albert-Einstein-Allee 55
89081 Ulm
Room Q029



Directions:

Please click the following link to find the location:

<http://studium.hs-ulm.de/de/Seiten/Standorte.aspx>

This Workshop will be located at Campus Albert-Einstein-Allee, Location B.



In case of administrative or organizational questions please contact
Diana Gnensch: +49 (1523) 402 98 92.

Program Committee Prof. Dr. A. Terzis, Dr. E. Schubert, M. Güthoff **Conference Language** German and English
Contact Prof. Dr. A. Terzis, Eberhard-Finckh-Straße 11, 89075 Ulm, Fon: +49 (0731) 50-28341, terzis@hs-ulm.de