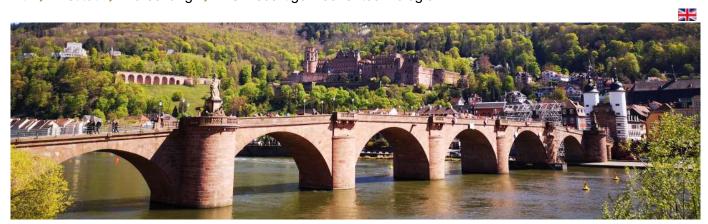
## ziti > Institut > Forschung > AG Neuartige Rechentechnologien



# FPGA Ignite Summer School 2022 Heidelberg University, June 1-3

The FPGA Ignate Summer School series is a forum for bringing together established and new researches in the field of reconfigurable computing and FPGAs.

The goal is to identify and form new trends as well as facilitating collaborations with in the reconfigurable computing community.

### **Program**

## Day 1 (June 1st)

14:00

Get together in Heidelberg

**Exploring Germanies oldest University** 

## Day 2 (June 2<sup>nd</sup>)

9:00 - 09:15

Welcome to FPGA Ignite 2022 at ZITI (Dirk Koch)

### **Security and Runtime**

9:15 - 10:15

- Kaspar Matas "Resource-Elastic Dynamic Stream Processing"
- Bardia Babaei "Precise Characterizing of FPGAs in Production Systems"
- Shaden Alismail "A Memory subsystem in Multi-tenant FPGAs"

**Break** 

## **FPGA Technology**

10:30 - 11:30

- Nguyen Dao "Custom eFPGA Design Using Open-source Tools"
- Myrtle Shah "Place and Route in an Open-source World"
- Bea Healey "The VPR Tool Flow Inside FABulous"

**Break** 

Αp	pli	cati	ons
, <b>\</b> P		outi	0110

• Kristiyan Manev "FPGA-Acceleration for Databases"

 Steffan Proß "MassiveSort: Sorting Networks with Hundreds of Thousands of Sort PEs"

Lunch

Workshop

14:00 – 16:00 "Which FPGA challenge would we tackle with EUR 1M

Funding (and how)?"

Goal: don't rebuild the world - impact it!

Break

16:30 – 17:30 Group presentations

Day 3 (June 3<sup>rd</sup>)

**New Tends in Methods and Tools** 

• Andreas Becher "Something something FPGA"

9:00 – 10:00 • Syed Muhammad Ali Asghar "Increasing Side-Channel

Resistance by NetlistRandomization and FPGA-based

Reconfiguration"

**Break** 

**Grand Challenges for FPGAs** (Killerapps)

10:15 - 11:15

Daniel Ziener University of Ilmenau

**Break** 

11:30 – 12:30 **People and Technology** – ethical aspects of technology

Lunch

14:00 – 15:00 Tour through ZITI

15:00 – 16:00 Wrap-up and networking

## Registration

FPGA Ignite works hard to keep financial barrier at the lowest possible

Full registration 400 €

(until June 27th)

Student registration (until June 27th) 290 €

Register here with your name and contribution

### Venue

The FPGA Ignite Summer School wild be held at ZITI, Heidelberg University:

Universität Heidelberg Institut für Technische Informatik (ZITI) Im Neuenheimer Feld 368 69120 Heidelberg

The Lecture hall will be

INF 340 Room U014 (basement)

### Hotel

We have reserved rooms at the hotel *Goldener Hecht* Heidelberg (use code FPGA Ignite) (Steingasse 2, 69117 Heidelberg)

## Contact

Prof. Dr.-Ing. Dirk Koch dirk.koch@ziti.uni-heidelberg.de



C Zuletzt aktualisiert: Mittwoch, 21. Dezember 2022 15:28

© Copyright Universität Heidelberg. Impressum | Datenschutzerklärung

Change Cookie Consent Remove Cookies You have allowed cookies to be placed on your computer. This decision can be reversed.