

Welcome to **WAMOS 2017**

the 3rd Wiesbaden Workshop on Advanced Microkernel Operating Systems

August, 25th 2017
Wiesbaden, Germany

WAMOS 2017

Solicited only *short* papers.

- up to three pages
- intended for reports on work in progress
- or concepts (aka possibly weird ideas)

Received 5 submissions

Review process

- each paper received three or four reviews
- 3 unconditionally accepted
- 2 weakly accepted

Accepted all 5 papers

- re-submission of camera-ready papers
- improved quality

Many thanks to the program committee!

Olga Dedi, Wiesbaden University of applied sciences

Bernhard Görtz, Wiesbaden University of applied sciences

Fabian Kopatschek, Wiesbaden University of applied sciences

Daniel Schultz, Wiesbaden University of applied sciences

Burak Selcuk, Wiesbaden University of applied sciences

Andreas Werner, Wiesbaden University of applied sciences

Danny Ziesche, Wiesbaden University of applied sciences

Alex Züpke, Wiesbaden University of applied sciences

RheinMain University of Applied Sciences, Wiesbaden, Germany

Agenda

Diverse program:

- Performance, Safety and Security
- Kernel Design Principles

Morning:

- 9:15 – 9:45 Keynote(s) and Awards:
 - Corinna Schaub on *Praxisnahe Entwicklung anhand des V-Modells*
 - Markus Hirsch on *Vorstellung ITK Engineering GmbH und Infos über Student Award*
 - Both: Presentation of ITK Student Award
- 10:00 – 11:00 Session 1: Performance, Safety and Security
- 11:15 – 12:45 Session 2: Kernel Design Principles

Afternoon:

- 12:45 – 13:00 Closing remarks
- 13:00 – 19:00 Spare Time :-)

9:15 – 9:45: Keynote talks and Awards

Praxisnahe Entwicklung anhand des V-Modells

Corinna Schaub, ITK Engineering GmbH

Vorstellung ITK Engineering GmbH und Infos über Student Award

Markus Hirsch, ITK Engineering GmbH

ITK Student Award

Corinna Schaub, Markus Hirsch, ITK Engineering GmbH

Session 1: Performance, Safety and Security (10:00 – 11:00)

- Solution approaches towards verified μ -Kernel
Danny Ziesche
- Benefits of dedicated hardware for microkernels
Daniel Schultz

Session 2: Kernel Design Principles (11:15 – 12:45)

- Single Address Space Operating Systems
Fabian Kopatschek
- Towards policy-free μ Kernels
Bernhard Görtz
- Lock Holder Preemption Problem in Multiprocessor Virtualization
Burak Selcuk

Discussion and Closing Remarks

Many thanks to the authors and the PC for an interesting day!

Grades to be determined by end of August.

WAMOS'18 not very likely to happen, will offer a "Fachseminar" next summer

If not yet done, please send me your slides (PDF)

Feedback and suggestions for next year?

- Need more time!
- Lab environment must work out of the box
- Use a different Microkernel?
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