

Spring Workshop 2016 & Winter School on Operating Systems (WSOS)

February 22 – 25, 2016 (Winter School)

February 25 – 26, 2016 (Spring Workshop)

Graz University of Technology, Graz, Austria

<http://wsos2016.tugraz.at>

Featured topic: “System Software for Dependable Computing”

Computer systems are ubiquitous in our daily life. They can be found in our private environment and in commercial systems such as industrial plants or server farms. Others are embedded into vehicles and medical devices, or control important infrastructure for communication, power supply, traffic, etc. Since we entrust these systems our personal sensitive data and sometimes also our lives, they have to be absolutely dependable under any circumstance and in every possible situation.

Goals and Audience. The goal of this one week event is to survey fundamental and applied aspects of dependability in operating systems and system software, as well as to identify novel opportunities and research directions in related areas.

Participants at the **Winter School** (Mon-Thu) will attend various lectures from renowned experts and touch relevant technologies during hands-on courses. The target audience is young researchers like postgraduate and PhD students from all over the world, which can also apply for a chance to briefly present their work during work-in-progress sessions.

Participants at the **Spring Workshop** (Thu-Fri) will have the opportunity to present advanced research results and to actively contribute to the GI special interest group “Operating Systems” by submitting and presenting short abstracts.

Both events will provide a great opportunity to network with other people working in the field, to meet distinguished scholars, and to establish fruitful contacts for potential future research collaborations.

Topics. A distinguishing feature of this event is its broad scope ranging from technological foundations to current research directions. Topics include but are not limited to:

- OS Architectures for Single- and Multi-Core (concepts, design, implementation, etc.)

- Dependability in general (real-time, safety, security, maintenance)
- System Software Design (fault-tolerance/handling, programming paradigms, virtualization etc.)
- Formal methods (verification, validation, etc.)
- Dependable Communication and I/O
- Tooling for Dependable Systems
- Dependability in Application Domains (IoT, CPS, Automotive, Avionics, Rail, Space, etc.)

Location. The event takes place at Graz University of Technology, Austria. Graz is located close to the Alps in southern Styria, and also invites for a longer stay or enjoying some winter sports.

Participation. The event is open for participants with a basic background in operating systems and embedded systems who either want to enter or who do already have work experience in this exciting research area. The number of participants is limited. Application and submission details can be found on the website.

Organization. The event is organized by the Embedded Automotive Systems Group (EAS) at Graz University of Technology (Prof. Marcel Baunach) and the GI Special Interest Group on Operating Systems.



Application Deadline:

14 January 2016

Notification:

18 January 2016

