HOT HEIDELBERG OSADL TALKS 2021

Technical HOT – May 5, 2021
- Virtual, by live video streams and video conference -

Session 1: Technical HOT (by video stream) - 9:00am – 10:30am CEST

Topics of session 1: History and functionality of Linux and real-time Linux
- Real-time extensions compared to real-time kernel (PREEMPT_RT)
- Functionalities of PREEMPT_RT
- Linux Foundation RTL Collaborative Project
- Determination of the real-time properties of a Linux system

Session 2: Technical HOT (by video stream) - 11:30am – 12:30pm CEST

Topics of session 2: Debug and trace interface of the Linux kernel and why it is important for real-time
- Function and event tracing
- Latency tracing
- OSADL QA Farm

Session 3: Technical HOT (by video stream) - 2:00pm – 3:00pm CEST

Topics of session 3: Creating and managing a Linux real-time system
- Generation of artificial latency
- Hardware latency detector
- Examples of "latency fighting"

Question and discussion round (by video conference) - 3:00pm CEST

V3

Approx. 3:30pm CEST: End of Technical HOT
Speakers: Dr. Carsten Emde, Alex Bähr, OSADL