

OSADL Day
with focus on
"Technical aspects of Linux and real-time Linux"
- Agenda proposal -

Morning session – e.g. 9:00am to 12:00pm:

- **History and functionality of Linux and PREEMPT_RT real-time Linux**
 - Real-time extensions compared to real-time kernel (PREEMPT_RT)
 - Functionalities of PREEMPT_RT
 - Linux Foundation RTL Collaborative Project
- **Debug and trace interface of the Linux kernel and why it is important for real-time**
 - Function tracing
 - Event tracing
 - Latency tracing
 - Principle of backtracing

Afternoon session – e.g. 1:00pm to 4:00pm (or on another date):

- **Creating and managing a Linux real-time system**
 - Determination of the real-time properties of a Linux system
 - Presentation of the OSADL QA Farm
 - Generation of artificial latency and recording
 - Hardware latency detector
 - Examples of "latency fighting"
- **On request: Short block on other topics OSADL is working on, e.g. OPC UA PubSub over TSN, safety, security or on legal aspects of copying and distributing Open Source software**
- **Questions and discussion**