LINUTRONIX

Realtime Tracing

Training Realtime Tracing and Debugging

Day 1

- **Introduction to Linux and real-time (Preempt-RT patch)**
- **Introduction to Linux tracing infrastructure**
- **Debugging applications with Uprobe and performance counters**
- **Analysis of latency problems with cyclictest und the Linux infrastructure**
- **Latency debugging in userspace and kernel**
- **Identification of hardware related latency problems**
- **Short intro of graphical based tools (kernelshark, trace compass)**

Requirement:
Nothing on Hardware; Programming knowledge with Linux and C

Software:
Linutronix provides an USB HDD with an x86 64-bit based Debian system for the host system, a Debian toolchain and for the target system an ARM Linux, running on a running on an embedded device. The HDD is a gift for the participant and can be taken home for further studies.

Number of participants:
Due to our experience we know that a single instructor could coach a maximum of 6 persons. Our courses are therefore limited to this number of individuals.