



Technical HOT
April 29, 2020
- Virtual, by live video stream -

| 09:00 – 10:30 | Technical HOT live video stream session 1 |
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| | <ul style="list-style-type: none">• 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 |
| 11:30 – 13:00 | Technical HOT live video stream session 2 |
| | <ul style="list-style-type: none">• Debug and trace interface of the Linux kernel and why it is important for real-time• Function tracing• Event tracing• Latency tracing• Principle of backtracking |
| 14:00 – 16:00 | Technical HOT live video stream session 3 |
| | <ul style="list-style-type: none">• Determination of the real-time properties of a Linux system• Presentation of the OSADL QA Farm.• Generation of artificial latency• What causes system latencies?• Hardware latency detector• Examples of "latency fighting"• Online discussion |

Speakers: Dr. Carsten Emde and Caren Kresse, OSADL