

# The usage of PREEMPT\_RT in safety-critical systems: what do we need to do?

*Monday, August 24, 2020 9:25 AM (25 minutes)*

This session shall shed some light on what needs to be done to use PREEMPT\_RT in safety-critical systems.

For a structured discussion, this session first introduces:

- different types of assumed example systems, and the criticality of the real-time property in those systems,
- derived real-time requirements towards the kernel and hardware, and
- different general strategies described in safety standards to show real-time requirements to be met.

This short introduction then guides discussion among the audience through the various aspects and dimensions of the challenges and potential feasibility of addressing the question what needs to be done to use PREEMPT\_RT in safety-critical systems.

## I agree to abide by the anti-harassment policy

I agree

**Primary author:** Mr BULWAHN, Lukas

**Presenter:** Mr BULWAHN, Lukas

**Session Classification:** Real-time MC

**Track Classification:** Real-time MC