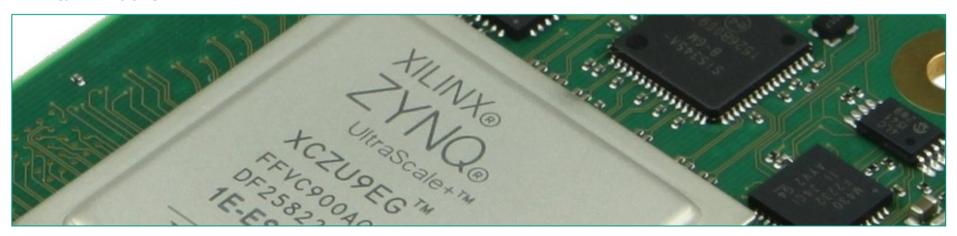




# **Split Boot**

True network-based booting on heterogeneous MPSoCs

Marvin Fuchs



## Why Split Boot?





Zynq MPSoC

#### **Processing System**

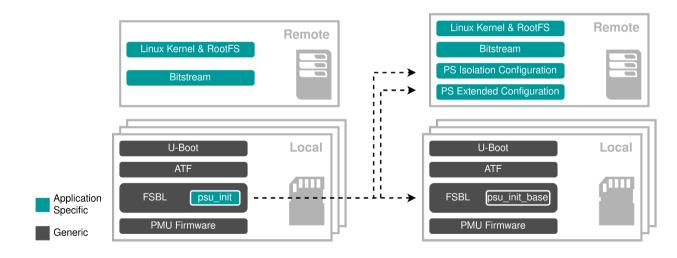
- 4x ARM Cortex-A53
- 2x ARM Cortex-R5

#### **Programmable Logic**

FPGA

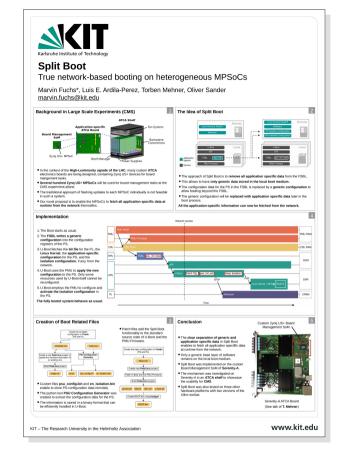
#### **Challenge:**

 Big effort to conventionally deploy and update a large, distributed system with many Xilinx ZynqMP devices



### What is on our Poster

- Motivation based on the CMS experiment
- The Idea behind Split Boot
- Implementation
- Integration in the development workflow
- Hardware platforms





I am looking forward to answer your Questions in the poster session!