

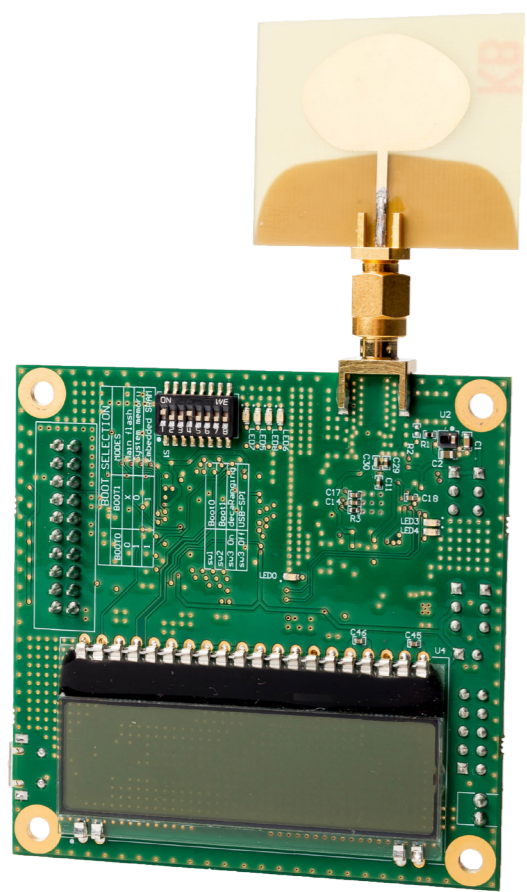
Enabling Contiki on Ultra-wideband Radios

Pablo Corbalán, Timofei Istomin, and Gian Pietro Picco
Department of Information Engineering and Computer Science, University of Trento, Italy
Contact Author: p.corbalanpelegrin@unitn.it

Q Can we reuse 15 years of WSN research on UWB radios?

Contiki OS + **UWB**

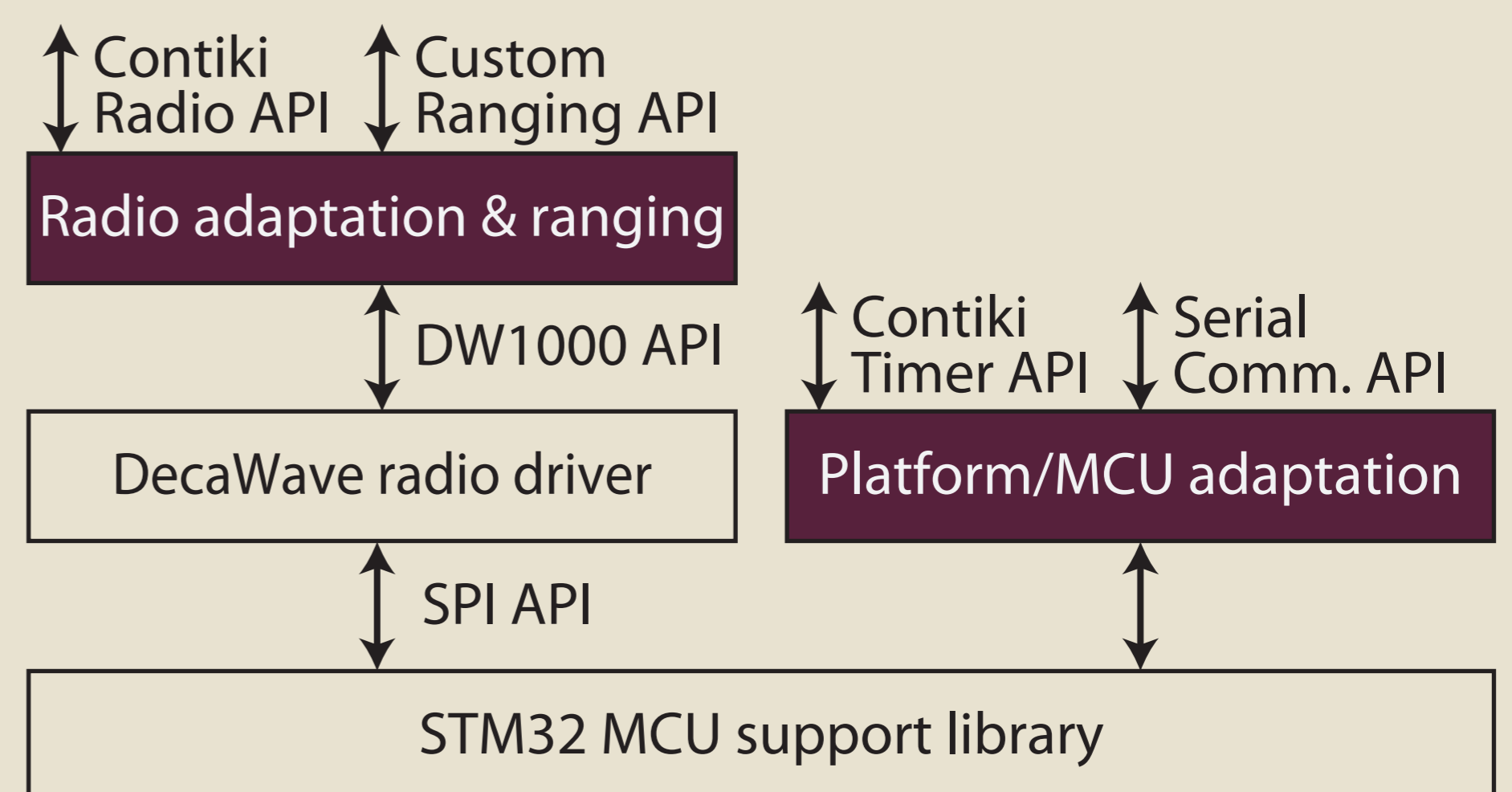
DecaWave EVB1000



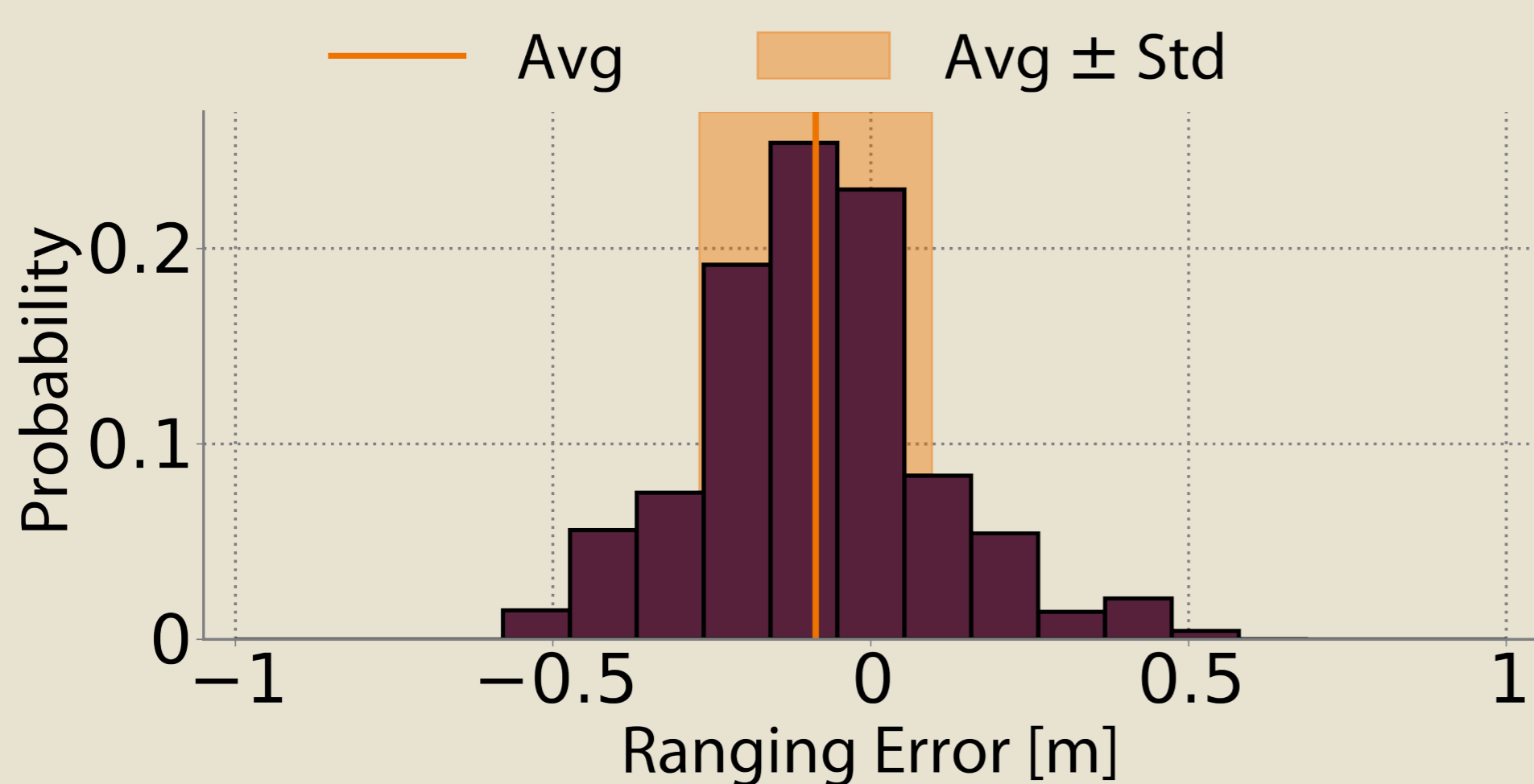
Features:

- STM32F105 ARM Cortex M3
- DecaWave DW1000
- LCD display
- Serial-over-USB
- External PCB antenna

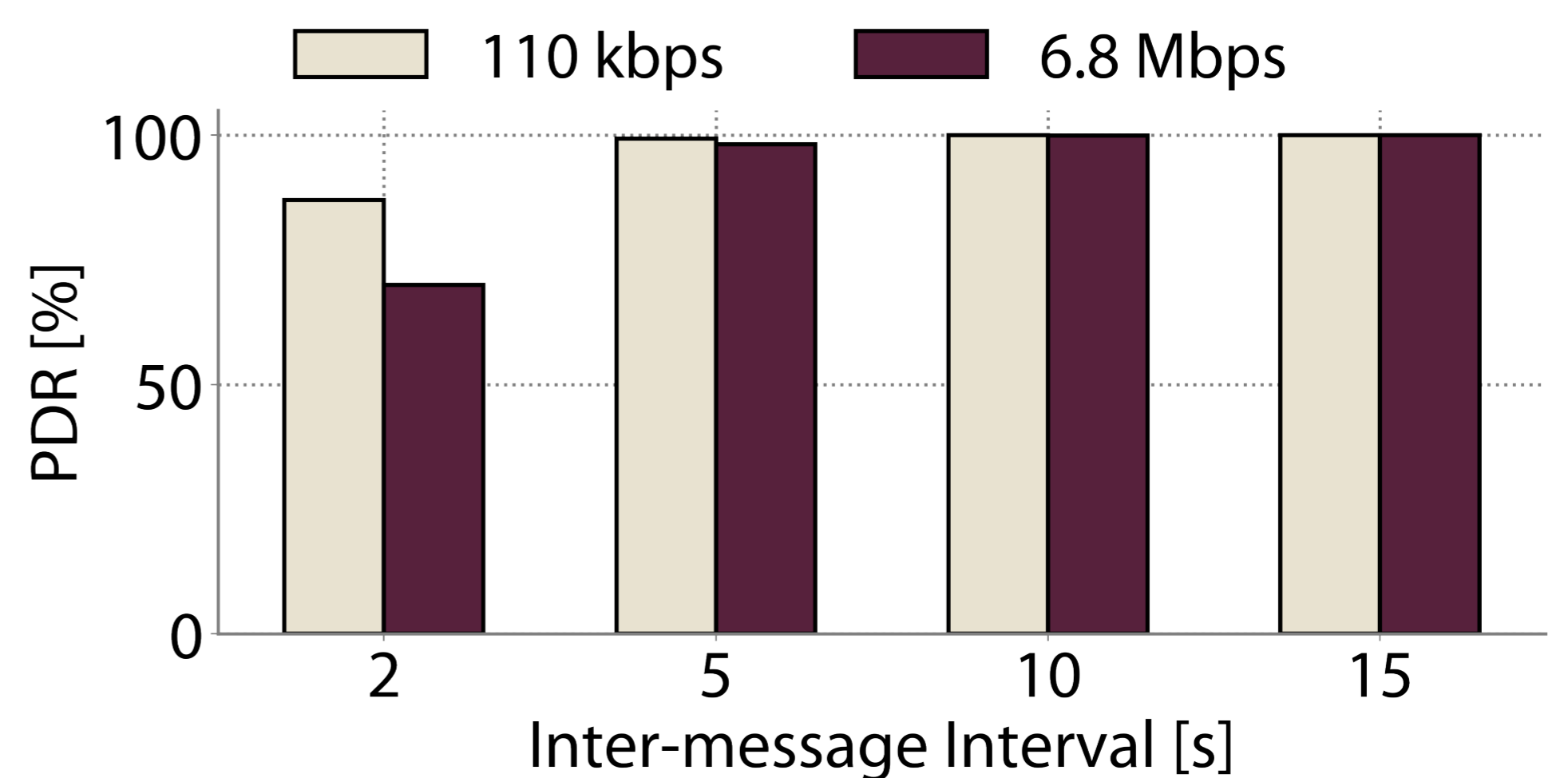
Contiki Port



Ranging Accuracy



Contiki Collect Reliability



Contiki port
source code available on
github.com/d3s-trento/contiki-uwband

