

Networked Embedded Systems WS 2016/17

Lab: Programming an Embedded Wireless Device

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Who Am I?

- Fabian Mager
 - Email: fabian.mager@tu-dresden.de
 - Room: BAR I56A
- Joined Networked Embedded Systems group in April 2016
- Current research area:
 - Communication protocols
 - Network coding

Goal of the Lab

- Hands-on experience in programming an embedded wireless device
- Device: CM5000MSP / TelosB / Tmote Sky
 - 16 bit, 8 MHz, 10 KB RAM
 - 2,4 GHz Radio
 - Sensors, LEDs, buttons, ...
- Learn how to use Contiki operating system
 - Most popular OS for resource-constrained embedded wireless devices
 - Ported to many different platforms

