Introduction to Embedded Systems

Content

L2P registration is now active. Please use it. In order to increase motivation, the group schedule will be posted in L2P.

Basic introduction to technologies, functions and the design of embedded systems:

- Typical requirements
- Examples of product and production automation
- Introduction to microcontrollers
- Introduction to logic control with PLCs, device technology, and according tools

The lecture will be held in English.

Links

- RWTH Campus
- Frequently asked questions MCU
- ATMega 16 Description
- All FAQs including FPGA and VHDL issues

Literature

- Webpage TU Wien: Script (1.2M) and according webpage
- Barr: Programming Embedded Systems in C and C++
- Pont: Embedded C
- Lunze: Automatisierungstechnik, Oldenbourg, 2003.
- Lewis: Programming industrial control systems using IEC 1131-3, IEE, 1998.

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