

Introduction to embedded Systems

Organization (updated on 09.02.2009)

The results of the first examination are now online in the L2P room. There are also information about the upcoming inspection.

The examination will take place on the 3rd February at 11:45 a.m. Punctuality is expected. All Diplom-Informatik students writing their 60 minute examination in AH I. All other students, like B.Sc. Informatik, M.Sc. SSE, CES or Automatisierungstechnik writing their 120 minute examination in AH IV. You can find a detailed matriculation# list in the L2P-Room under learning material. Please check the correctness regarding to your matriculation#.

The re-examination is planned for the 23.03.2009 in AH III at 08:15 to 09:45. Planned dates for the exercises are:

- 25.11.2008: AH I (2323) - 11:45 to 13:15
- 08.12.2008: 2323 - 08:15 to 09:45 *
- 09.12.2008: 2323 - 11:45 to 13:15 *
- 15.12.2008: 2323 - 08:15 to 09:45 *
- 12.01.2009: AH III (2323) - 08:15 to 09:45
- 19.01.2009: AH III (2323) - 08:15 to 09:45
- 02.02.2009: AH III (2323) - 08:15 to 09:45 (Repetition)

There exists compulsory attendance. A student can be absent two times.

* There will be practical exercises on these dates. The students will program Microcontroller via our Notebooks. Due to limitations of the resources all participants will be divided into three groups and dates. One student must attend on one date, only.

Registration for exercises

The list of students registered for the exercises is available at the L2P (Matriculation numbers). Not all of the students have registered for the lecture via campus office. Please do this and check your registration. Contact me if you are not registered (for the exercises) or you find a question mark correlated to your number.

Change of date

Because of overlapping with other lectures like Software Engineering we put off date and location of our lecture on Tuesday. The new dates are

- Monday, 8:15 - 9:45 (AH III)
- Tuesday, 11:45 Uhr - 13:15 (AH I)

There still exists overlapping with exercises (in Software Engineering). Beware of that if you want to participate both lectures.

Content

Basic introduction to technologies, functions and design of embedded systems: Typical requirements, examples from product and production automation, introduction to microcontrollers, introduction to Logic Control with PLCs, device technology, and according tools.

Workflow

The lecture will start on 20. October 2008 and held in English. Lecture and exercises will be alternated on the tuesday date. Further information and material are available at the L2P Learnroom. This requires a registration at the CampusOffice system.

Literature

- Barr: Programming Embedded Systems in C and C++,
- Lunze: Automatisierungstechnik, Oldenbourg, 2003.
- Lewis: Programming industrial control systems using IEC 1131-3, IEE, 1998.

Contact

- [Dipl.-Inform. John F. Schommer](#)

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