Welcome!

- Organizational issues
- Introduction
  - Topics
  - Lecturers
- Comments on the agenda
The Summer School

- Wireless Sensor Networks and Smart Objects
- 10 lecturers, 60 participants
  - bios in the handouts
- Sponsored by ETH Zurich and Embedded WiSeNts
  - “Cooperating Embedded Systems for Exploration and Control featuring Wireless Sensor Networks”
  - “Coordination Action” funded by the European Commission, 12 partners from 10 European countries

Schloss Dagstuhl

- Built in 1760
- 1989 transformed into an International Conference and Research Center for Computer Science
- Per year: 40-45 “Dagstuhl Seminars”
  - One week
  - Two or three scientists are responsible
  - Specific topic
  - Participants: scientists from all over the world
Dagstuhl

- Computer science research library
  - Always open, journals & books
- Billiard, chess, music instruments
  - Old building, first floor
- Newspaper room: S111

Organization

- Meals
  - Breakfast 7:30-8:45
  - Lunch at 12:15
  - Dinner at 18:00
  - Afternoon coffee 15:30
  - Wine cellar in the evening (wine, beer, …)

- Lectures
  - Start at 9:00 (morning), 14:00 (afternoon)
  - But: we are flexible (e.g., move sessions to the evening to gain free time during the day)

Please try to be on time for lunch and dinner
Organization

- Weather forecast 🌞 ☁️
- Excursion
  - River cruise, hiking, wine, dinner (Thursday afternoon)
- Handouts
  - Participants' bios
  - Copies of slides

The Lecturers

Holger Karl
Koen Langendoen
Marc Langheinrich
Friedemann Mattern
Jan Beutel
Pedro Marron
Albrecht Schmidt
Kay Römer
Joe Polastre
Rob Szewczyk
Program

- Lectures
- Participants’ workshop
- TinyOS tutorial
- Application competition
- Excursion
- Leisure time

Lectures

- Interactive, questions, discussions
- Specific topics
  - Motes and TinyOS
  - Medium access control
  - Dependable transport protocols
  - Deployment and experiences
  - Technologies for smart objects
  - Localization
  - Time synchronization
  - Middleware
  - From sensors to context
  - Privacy
  - Embedded interaction (+ videos and exercise)
**Participant’s Workshop**

- 23 participants have been selected to give a short presentation of their work
- 4 sessions
  - Tuesday and Wednesday morning
  - Program in handout folder
- 10 min talk + 5 min discussion

**TinyOS Tutorial**

- Introductory lecture today
- TinyOS installation in the evening
- Hands-on Tuesday and Wednesday
  - 50 participants expressed interest
  - 25 each day
  - In parallel to workshop
- Put your name on the list!
  - Workshop presenters already listed
- Room: Kaiserslautern
Application Competition

- Announcement today
- Submission deadline Wednesday evening
- Results Saturday
  - Prices: iPods for the two best submissions

Excursion

- Thursday afternoon / evening
- Program
  - Bus to Mettlach (0.45)
  - River cruise on river Saar (1.30)
  - Bus to winery (1.15)
  - Light hiking (1.00)
  - Wine tasting and dinner (3.00)
  - Bus to Dagstuhl (1.00)
Leisure Time

- Tuesday or / and Wednesday afternoon
- Various options
  - Walking tours in the environment of the center
  - Sports: bike, volleyball, boule, table-tennis, soccer playground
  - ...

Payment

- Please note your private expenses (snacks, evening drinks, etc.) on the form you received at checkin
- Please pay the fee + private expenses at departure in the office
Embedded WiSeNts

- European Coordination Action (6th FP)
  - Strengthening European Position with respect to Wireless Sensor/Actuator Networks and Smart Cooperating Objects
- September 2004 - August 2006
- 12 European partners
- Industry Cooperation Board

www.embedded-wisents.org

Wisent - Goals I

1. Research Integration
   - Platforms and tools
   - Visitor program
   - Workshops (EWSN)
2. Roadmap preparation
   - Applications
   - Paradigms for algorithms and interactions
   - Vertical system functions
   - System architecture and programming models
Wisent - Goals II

3. Education and Training
   - Summer school
   - Teachware
   - Student mobility

4. Industry Cooperation
   - Industry Cooperation Board
   - Roadmaps

EWSN 2006
ETH Zurich, Switzerland
Feb 13 – 15, 2006
www.ewsn.org

Submission Deadline: Sept 12, 2005
Have a nice stay!