Smart Space Orchestration Hands-On

Fri 21.11.2014 | 9am – 7pm

free **in English**

@Leibniz-Rechenzentrum – Boltzmannstraße 1 – 85748 Garching
U6 stop Garching-Forschungszentrum

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09h00 Welcome

09h05 How to make our Physical Spaces Smart?
An overview lecture on Pervasive Computing, Internet of Things, Cyber Physical Systems, Ambient Intelligence.

10h00 The Internet of Things

10h30 Experiencing Real Smart Spaces
Presentation of some real world demonstrators. For details look at the web site.

12h00 Lunch sponsored by Intel
Only for registered participants at the LRZ.

13h00 SOFTWARE MAKING for Smart Spaces: DS2OS
The Distributed Smart Space Orchestration System
Here you get to know how all the distributed smart devices can be connected in a simple way.

13h30 HARDWARE MAKING: The INTEL EDISON PLATFORM
Here you get to know how you can build your own smart devices based on the Intel Edison platform.

14h00 Hands-On Tutorial and own Experience
Here we will turn the room into a smart space. You will build your own hardware using the provided Intel Edison boards. Connect your devices with the DS2OS platform. After the tutorial you have time to try out the platform a bit more on your own.

16h15- Wrap-up, Discussion, GET-TOGETHER
Getting together for some more discussion with some snacks.

register here

free → http://tiny.cc/s2o

www.net.in.tum.de www.intel.com www.idem-project.de www.bmbf.de

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Information technology makes our surrounding spaces smarter every day. Due to achievements in the areas Internet of Things, Cyber Physical Systems, or Ambient Intelligence Pervasive Computing is becoming reality more each day. A key aspect of Pervasive Computing is making technology interact. The alarm clock could trigger the blinds, the lights, the heating system, the coffee machine, etc. Our workshop is about concrete realizations of such scenarios.

The morning starts with an introduction to Pervasive Computing and its current challenges. You will have the chance to get insights to current demonstrators that show what is possible and getting developed in research at the moment.
In the afternoon we will focus on *making* smart spaces from the hardware and software side. Using the new Intel Edison platform, you will make smart devices that interface the physical space yourself. You will orchestrate all the previously distributed smart devices using the DS2OS platform. Overall you will experience how fascinating smart space orchestration is and how close its realization is.

We are looking forward to spending a great day with you!

Please register as soon as possible as the places are limited.

register here

fb.com/ds2os **#ds2os**

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