

Open Lab

at the

Institute of Networked
and Embedded Systems

and Lakeside Labs

Opening by

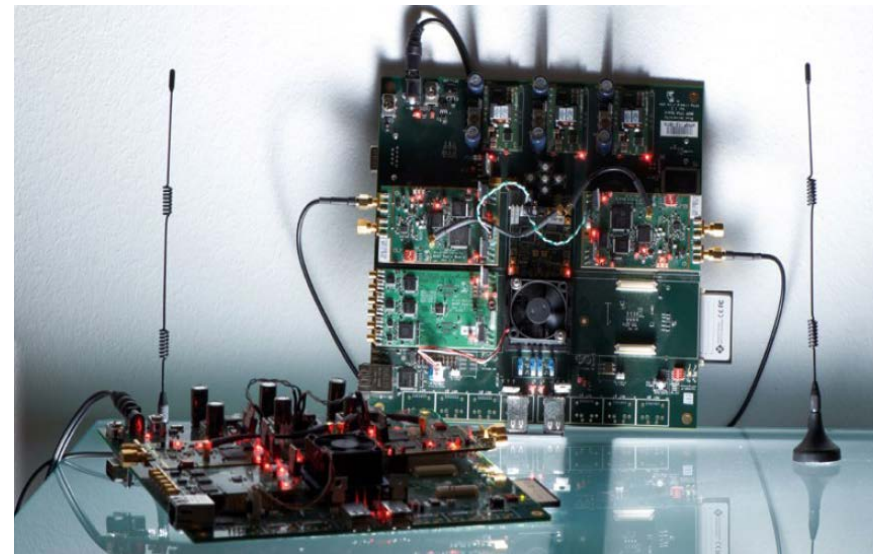
Univ.-Prof. Dr. Christian Bettstetter



Alpen-Adria-Universität Klagenfurt

Networked and Embedded Systems (NES)

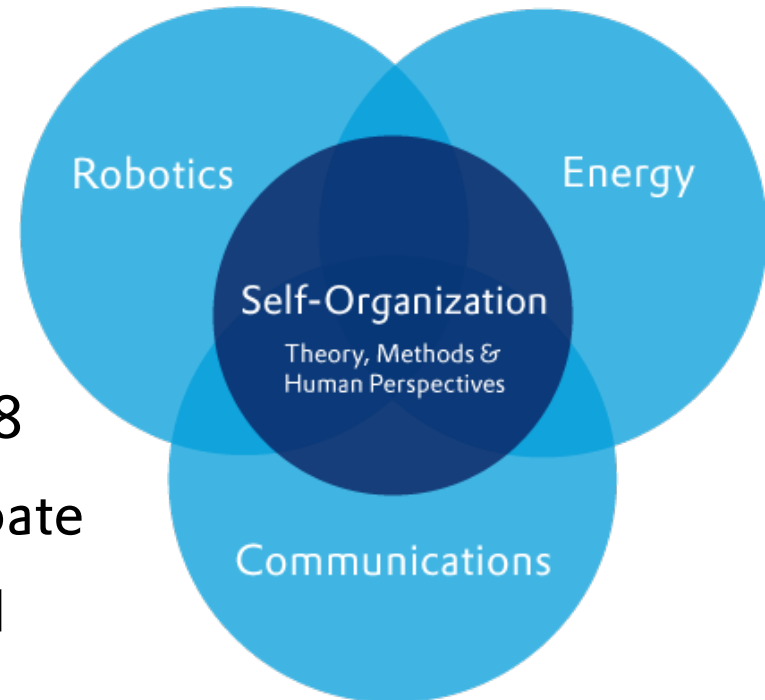
- Quickly grew to **45 members** after foundation in 2007
- Led by **professors** Bettstetter, Rinner, Elmenreich
- Third-party **funding** of about 2 Million € per year
- Very **international** environment
- About **40 publications** per year
- Balance between **basic and applied research**
- Cooperation with nine companies
- Four **startups** founded by former staff members



Lakeside Labs

Self-Organizing Networked Systems

- Research cluster with [University of Klagenfurt](#) and collaboration partners
- Topic motivated by the increasing [complexity](#) of ICT systems
- [Lakeside Labs GmbH](#) founded in 2008
- Funds [50 researchers](#), 8 profs participate
- Received excellent [evaluation](#) in 2011
- Launched two [startup](#) companies
- Receives base [funding](#) from Carinthia and city of Klagenfurt



Common Mission

Educating people for high-tech in Carinthia

Many of the 20+ doctoral graduates were hired by high-tech companies in the region, for example by:



Lakeside Park



Member of Alturos Group

Lakeside Park

Lakeside Park



Lakeside Park



Lakeside Park

... and throughout Europe.



Trieste



ROHDE & SCHWARZ

München



LINZ CENTER OF MECHATRONICS GMBH



UNIVERSITÉ DE
NEUCHÂTEL

Open Lab 2014

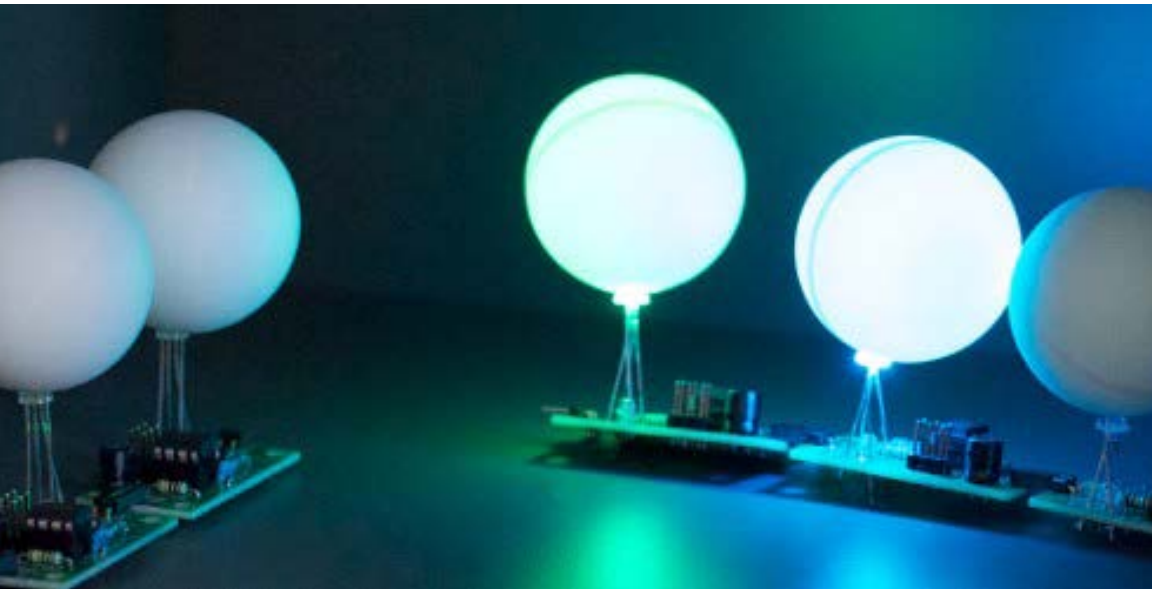


Open Lab 2014

- Visit **15 demonstrations** by **26 researchers** and students
- Gain **overview** of our research portfolio
- Exchange and **discuss** own ideas
- Inform about open **student projects**
- Brainstorm about potential **collaborations** with industry
- Socialize with some **drinks and snacks** afterwards

Open Lab 2014

- Can sensors **synchronize** in a self-organizing manner?
- How do **smart cameras** detect faces and still preserve privacy?
- How much energy can be saved using a smart **microgrid**?



Open Lab 2014

- How can **drones** be used for the benefit of society?
- How do **autonomous robots** explore a room?
- How can surgeons benefit from **multimedia** systems?



Enjoy the Open Lab 2014!



” NES offers space for creative ideas in an environment that promotes excellence and mutual appreciation.