



NUCLEI NEWSLETTER

Upcoming events



REM 2019
23RD - 24TH MAY 2019, FH UPPER AUSTRIA, WELS CAMPUS



REGISTER NOW! - NUCLEI Final Conference

Highlight!

When: **23rd and 24th May 2019**
Where: [University of Applied Sciences](#),
Wels, Upper Austria
Organiser: [Business Upper Austria](#)

The registration is open [here](#) (free of charge)

Within the **NUCLEI Final Conference**, which will held back-to-back with the [REM 2019](#), you can expect expert lectures on trends and challenges in the production of the future as well as field reports on Open Innovation and TechTransfer in Central Europe.

Agenda ([detailed Agenda](#))

12.30: Registration and Lunch

13.30: Part 1: The NUCLEI-Approach

- Welcome & Introduction
- The NUCLEI-Project - Goals/Tasks/Results
- The Importance of Innovation & Tech Transfer on EU-Level
- Which role for clusters in future Europe and innovation?

15.00: Coffee Break

15.30: Part 2: Trends & Challenges

- Distributed Control Architectures for Adaptive Production Systems
- Offensive security: an empirical approach to risk analysis. See your Company through the Eyes of a Hacker
- Robotic Machining and Robot Interaction
- From Modeling and Simulation to Virtualisation
- European R&D policies at a glance

17.00: Conclusion

19.00: Networking / Conference Dinner

In addition to the Final Conference, NUCLEI partner ITQ GmbH will organise a **Makeathon** on the **24th of May**. Interdisciplinary teams of young software developers, mechanics and mechatronics engineers compete to develop prototypes for intelligent automatic applications and robots in just 24 hours. The aim of the Makeathon is to strengthen cooperations in R&D in the Central European region between partners of various kinds. The cooperation in R&D is usually between regional partners in a typical arrangement, where one company cooperates with one university or other research organisation on a particular project or topic. Since its launch in 2016, Makeathons have enjoyed great popularity.

If you're a student and interested in creating your own innovative ideas about IoT, Robotics, Automation or/and Connected Systems, this event will be perfect for you. Please click [here](#) for registration.





FASCHANG

MASCHRATUR OG

MC MECHATRONIK CLUSTER

ife Netzwerk für Einzelfertiger

M&S

Interreg CENTRAL EUROPE European Union European Regional Development Fund

NUCLEI

Workshop by Research Center of Manufacturing Technology at Czech Institute of Informatics, Robotics and Cybernetics, 28th March 2019

This Workshop took place at the TestBed Laboratory in Prague. There were 8 students from Poland, Germany and the Czech republic. The main task of the workshop was Programming Industrial Robot. The participants picked up some basics of KUKA robot programming and afterwards they tried to program robots on their own.



daily companions in industry: modern management methods, tools and quality work by tradition, even with "old" machines. You will (still) find one in almost all workshops and production facilities in Austria: Machines from „back then“. One could also say in a less appreciative way that old machines are "brown field" in terms of software, and nowadays these old machines are valuable pieces for the companies. Modern management methods and tools and quality work by tradition, even with "old" machines. The company Faschang showed how it works on April 11th. While new methods and tools are implemented in the management, old plant components are generally overhauled by specialists - keyword RETROFIT - in order to serve the customers for another few years. Two exciting lectures discussed how the challenges for the company were dealt with and how they will be solved together with experts. A tour of the Faschang Werkzeugbau area gave the participants the opportunity to get an idea on site of how quality from Austria is produced at the location.

Open Seminar on Agility and Retrofitting in Mechanical Engineering at Faschang Werkzeugbau GmbH, Upper Austria, 11th April 2019

The additional 4th Open Seminar of Business Upper Austria within the NUCLEI-project dealt with the challenges agility and retrofitting for small and medium sized companies in the area of advanced manufacturing.

Modernity and tradition do not only exist in art - they are also the



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