

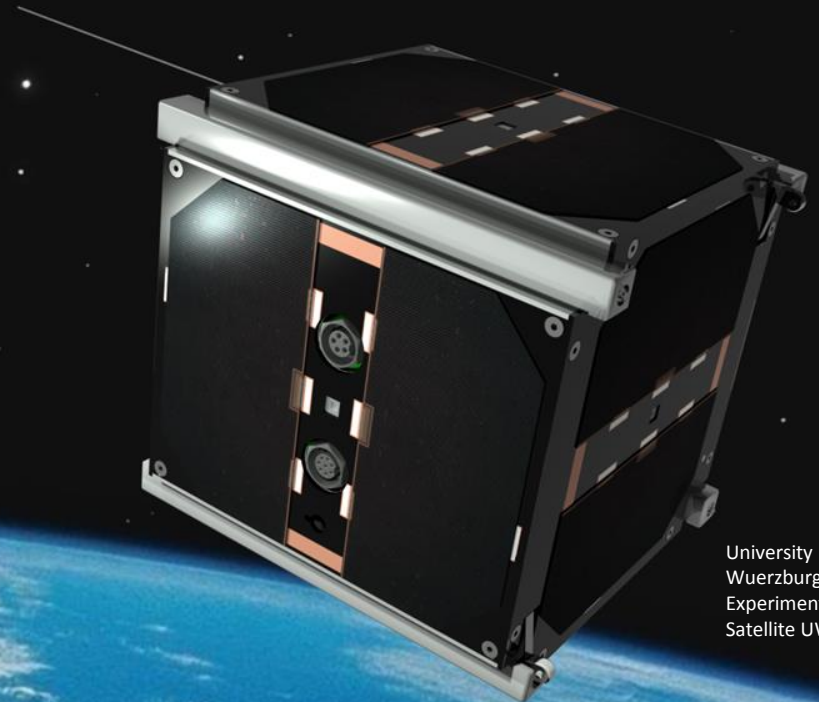


UNISON Discussion Group

Germany

3rd UNISEC Global Meeting

July 05, Tokyo, Japan



University
Wuerzburg
Experimental
Satellite UWE-3



Current Status

- No UNISON activities in Germany
- Established UNISEC Germany
- Established UNISEC Europe
- National Workshops and Conferences
- Local cooperations between Universities
- Local „CanSat competitions“ without launch
- REXUS/BEXUS Missions by DLR
- Cooperation with European Universities
 - SpaceMaster: Sweden, Germany, Great Britain, Finland, France, Tcheque



Problems

- Funding to support
 - Student activities (hardware, launcher, test equipment, ...)
 - Travel expenses
 - Conference & workshop fees
- Motivation of students to take an active role and self-organize (additional to their courses!)
- Motivation of other Universities
- Legal issues when it comes to rocket launches from within Europe



Solution

- Create CanSat Competition on German Level (perhaps at PiNa workshop?)
- National
 - DLR (Stern Project), VDI, DGLR
- Create cooperations with other European Universities for launch opportunities (Sweden? Spain?)
 - UNISON Europe!?
- Approach German Companies for small funding (travel expenses and hardware)
- Extend cooperations between German Universities on a dedicated level



UNISON at PiNa

- Present UNISON at the Pico and Nano satellite workshop in September 2015 in Germany
- Invite Students (BSc, MSc, PhD) for **dedicated Student Session**



Würzburg

The city is located near the center of Germany and offers a wide range of recreation and leisure activities together with theaters, open-air concerts, and wine festivals. Located at the shores of the river Main, vineyards, castles, medieval cities and baroque residence palace are characteristic for the region. Würzburg offers a broad range of accommodations facilities at all costs.



Residence Palace

The bishop's residence palace is one of Europe's most renowned baroque castles and it is recognized by UNESCO as a world cultural heritage site. The spectacular interiors include the grand staircase, the chapel, the grand salon and the wine cellar. The building was dubbed the "nicest parsonage in Europe" by Napoleon. It was heavily damaged in World War II, and restoration has been in progress since 1945. The Garden uses the fortification's differences in height to create a very special landscape. Near the residence itself, the garden is designed in a very formal, baroque style. Farther away, the style changes to an English garden with small forests and meadows.



Julius-Maximilians-University Würzburg (JMUW)

The university was first founded in 1402, enrolls today more than 25000 students in 10 faculties and hosts well known research institutions. 14 Nobel Prize winners worked there, most notable among them being Wilhelm Conrad Röntgen, the discoverer of the X-rays.



Photo Courtesy: Congress-Tourismus-Wirtschaft Würzburg, M. Westendorf, Informatik VII der Universität Würzburg, Universität Würzburg and Staatliches Bauamt Würzburg.

UNIVERSITÄT
WÜRZBURG



8th Pico and Nano Satellite Workshop

Technology for Small Satellite Research

September 15-16, 2015
Würzburg, Germany



www7.informatik.uni-wuerzburg.de/pina2015

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Organizer

Lehrstuhl für Informatik VII
Universität Würzburg



Co- Organizer

Institut für Luft- und Raumfahrt
Technische Universität Berlin



Zentrum für Telematik e.V.



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Scope

Based on the intensive interest in small satellites and as a continuation of the established series of pico- and nano-satellite workshops, the next workshop will take place at the Informatics Institute for Robotics and Telematics at University of Würzburg. The focus of the workshop is on pico- and nano-satellite missions, dedicated subsystems and fields of applications of small satellites. All contributions especially in the area of possible applications in telecommunications, Earth observation, space science and education are welcome. Further topics to be emphasized are satellite swarms, miniaturization techniques and micro components.

The aim of the workshop is to bring together the research community of pico- and nano-satellites enabling them to share their visions and showcase the technological and scientific advancements made. The workshop intends to bring to the fore the wide array of research activities, interests and motivations driving the advancements in pico- and nano-satellites.

The hosts of the workshop, University of Würzburg and TU Berlin, are German competence and research centers for small satellites. Through the research and development of the UWE-program (University Würzburg's Experimental satellites) and the BEESAT of TU Berlin advanced technologies in the area of small satellites have been promoted. With new research programs for nano-satellites, the international University community has further enhanced its space research capabilities activities.

Ever since its inception in 2007, the workshop has steadily gained significance by providing the bridge between the Astronautics industry and research organizations to uphold true sprits of pico- and nano-satellites. The workshop is organized yearly in alternation by Universität Würzburg and TU Berlin.

Topics

- In orbit experiences
- Small satellite missions
- Distributed small satellite systems
- Subsystem technologies for small satellites
- Payloads for small satellites
- Applications
- Flight opportunities and launchers for Pico satellites
- Educational aspects

Call for Papers and Detailed Information

The call for papers and other information will be provided on the following website:

www7.informatik.uni-wuerzburg.de/pina2015

Registration

Participants are requested to confirm their participation through e-mail latest by August 12th, 2015.

- Registration fee: 70 €

The registration fee covers lunch and coffee breaks expenses for the duration of workshop.

Schedule

- Submission of abstract: July 20, 2015
- Notification of acceptance: August 05, 2015
- Registration closure: August 12, 2015
- Workshop: September 15-16, 2015

Language

The main language of the workshop is English but contributions in both English and German languages are accepted.

Workshop Location

The workshop will be held at the Informatics building, Turing-Hörsaal, located at Hubland campus of University of Würzburg and can quickly be reached by public transport from the city center.



Approach

Würzburg can be easily approached by frequent trains directly from Frankfurt airport in about one hour. Two ICE high speed train routes cross pass through Würzburg, as well as three important German motorways, the A3, A7 and A81. Thus access by train or car is very efficient and easy.