

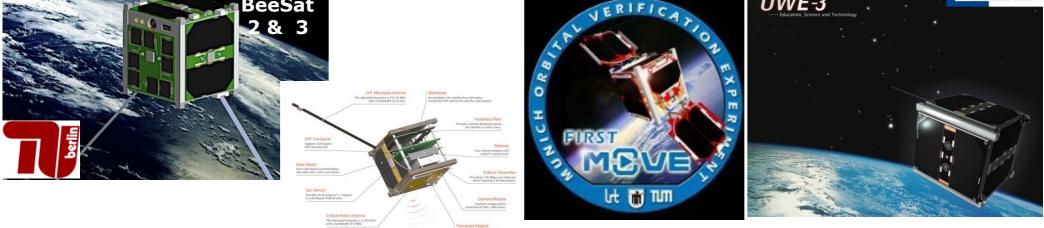
German Pico-Satellites

Prof. Dr. Klaus Schilling Computer Scienc VII: Robotics & Telematics



Pico-Satellites in Germany

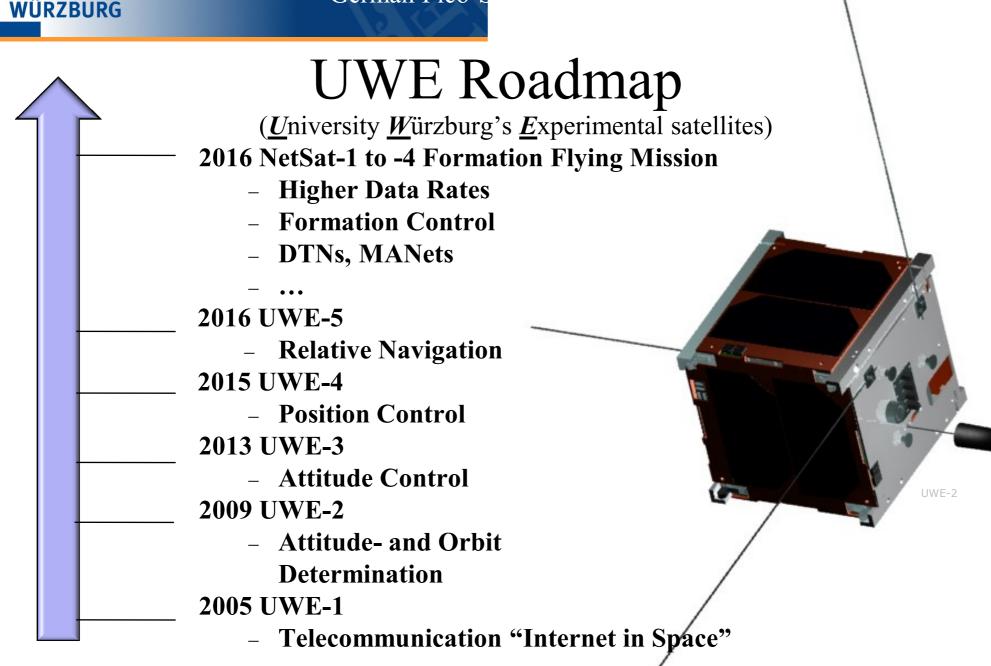




Educational Pico-Satellites in Germany

German Pico-S

Julius-Maximilians



Research Perspectives in Würzburg





Joint European Master in Space Science and Technology

SpaceMaster is supported by scholarships within the "ERASMUS MUNDUS"-Program of the EU for European elite-curriculla. It is offered at University Würzburg in cooperation between Computer Science and Physics/Astronomy, and by the partner universities

- Luleå University of Technology, Sweden
- Cranfield University, United Kingdom
- Czech Technical University, Czech Republic
- Helsinki University of Technology, Finland
- Université Paul Sabatier Toulouse III, France
- University Siegen, Germany

www.spacemaster.eu spacemaster.uni-wuerzburg.de



Education: SpaceMaster

SpaceMaster

Joint European Master in Space Science and Technology



University partner s outside the EU : Stanford University, USA University of Tokyo, Japan University of Toronto. Kanada Shanghai Jiao Tong Uni, China •7





Erasmus Mundus



Recent awards of Würzburg students •ZARM Award 2006

- •1st price in Student Contest at Internat.
- Astronautical Conference 2006 Valence
- •Award of the British Interplanetary Soc
- •IABG-Award 2008 for Oliver Kurz
- •Silver medal at Student Contest IAC 2008 Glasgow
- •Rotary Award 2011
- •Gold medal at IAC 2013 in Beijing
- •2013 Amelia Earhart Fellowship by Zonta

International Education

International students : ~ 25 from outside EU ~ 15 Europeans outside Germany

 ~ 10 German students





UNISEC Europe (application)

Objectives

- joint proposals for space outreach activities to be funded by European Union, ESA
- contributions to CanSat educational programs
- joint CubeSat conferences and exchange of experiences
- organization of small satellite ground station networks to support the CubeSat community
- standardization of electrical and software interfaces

Members

- UNISEC Germany
- UNISEC Lithuania
- UNISEC Samara
- UNISEC Turkey
- ...



Offers for cooperations

- International missions emphasizing distributed networked small satellites for applications in Earth observation and telecommunications
- Support in small satellite design

Julius-Maximilians

R7BIIRG

- International cooperation for networked ground stations
- Intensive classes on small spacecraft design (Tunesia, Russia USA, Turkey, Brasil, China, ...)
- Participation of students in the "SpaceMaster" program (http://www.spacemaster.uni-wuerzburg.de/)
- Information exchange at Pico- and Nano-Satellite conference (alternating in Berlin and in Würzburg, already 8 conferences > 100 participants)

Contact: Prof. Dr. Schilling schi@informatik.uni-wuerzburg.de

Julius-Maximilians-UNIVERSITÄT WÜRZBURG

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8th Pico and Nano Satellite Workshop

September 15-16, 2015 Würzburg, Germany



Technology for Small Satellite Research

Applications

Payloads for small satellites

In orbit experiences

Small satellite missions

Distributed small satellite systems

Flight opportunities and launchers for Pico satellites

Subsystem technologies for small satellites

Educational aspects

Topics

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

Würzburg

The city is located near the center of Germany, 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.



Registration

Participants are requested 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 IFAC symposium will be held at the Informatics building, Turing-Hörsaal, located at Hubland campus of University of Würzburg and can be 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.