



UNISEC Germany

Members:

- · University of Siegen
- Technical University of Dresden
- University of Würzburg

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Goals:

- Promotion of joint educational space programs
- Workshop in order to exchange experiences
- Joint satellite projects

SpaceMaster



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

Running since 10 years; Support by EU has been extended

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



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New Education Programs

SpaceTec

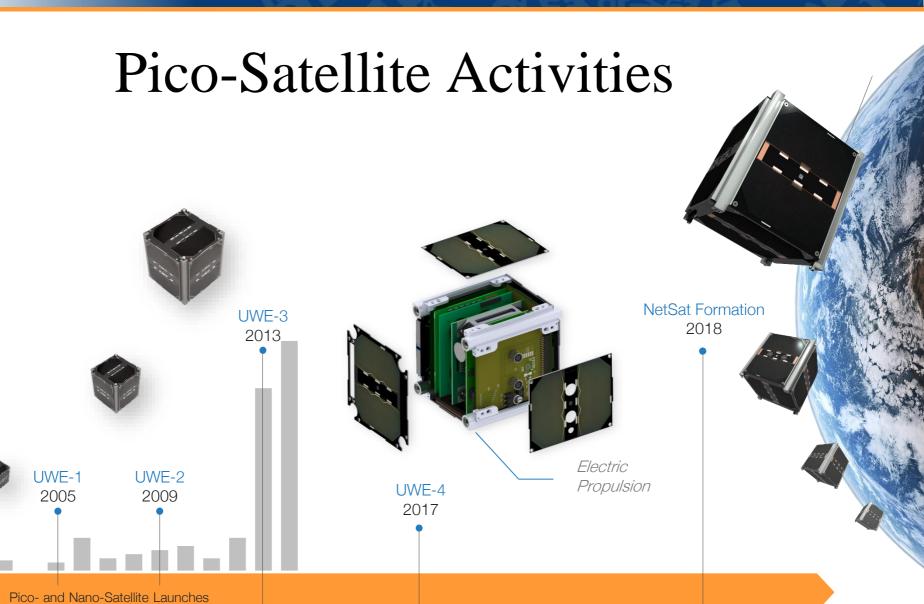
Advanced Technology Systems











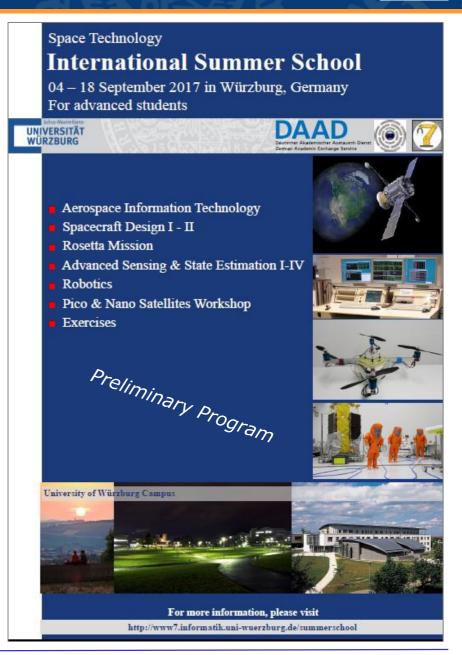




International Summer School Space Technology

4. − 18. September 2017 Würzburg, Germany

http://www7.informatik.uni-wuerzburg.de/summerschool





UNISEC Germany/Europe

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







10th Pico and Nano Satellite Workshop

Technology for Small Satellite Research

September 13-14, 2017 Würzburg, Germany



Co-Sponsor

UNISEC-Europe



Organizer

Lehrstuhl für Informatik VII Universität Würzburg

Zentrum für Telematik e.V.







Co-Organizer

Institut für Luft- und Raumfahrt Technische Universität Berlin



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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/pina2017

In 2015, selected best contributions have been invited for a paper publication in the IAA book series on Small Satellites. It is intended to continue the book series with contributions from the 10th Pico and Nano Satellite workshop in 2017.

Schedule

Submission of abstract: July 17, 2017 Notification of acceptance: August 02, 2017 Registration closure: August 09, 2017

Workshop: September 13-14, 2017

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.





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Precise Dynamic Bench Facility



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DRTF-2 (U-Tisch)



Precise Dynamic Bench Facility



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Axis		Outer	Middle	Inner	Outer	Middle	Inner
Range	deg	±60	±60	∞	±120	±120	∞
Torque	Nm	1*8000	1*5000	30	2*4000	2*2500	95
max. Acceleration	deg/s²	2000	10000	600	1000	6000	2000
min. Velocity	deg/s	10 ⁻³	10 ⁻³	10 ⁻³	10-4	10-4	10-4
max. Velocity	deg/s	30	20	100	60/150	60/150	60/150
Accuracy	deg	10 ⁻³	10 ⁻³	10 ⁻³	10-4	10-4	10-4
Orthogonality		< 30 arc sec			< 5 arc sec		
Intersection of Axes	i	< 0.5 mm			< 0.2 mm		







UNISEC Europe

Objectives

Julius-Maximilians

- 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
- **UNISEC** Italy



http://unisec-europe.eu/





Subsystem Interface Standardization

 development initiative targeting the agreement on common standards for cubesat subsystem interfaces

http://unisec-europe.eu/

