

**Training Plan for Autumn School,  
TU Berlin 27.09.10-15.10.10**

Date	AM	PM
27.09.2010	Design of Micro and Pico satellites (RU)	Design of Micro and Pico satellites (RU)
28.09.2010	Design of Micro and Pico satellites (RU)	Design of Micro and Pico satellites (RU)
29.09.2010	Design of Micro and Pico satellites (RU)	Satellit Technologies (RU)
30.09.2010	Satellit Technologies (RU)	Design of Sensors used for satellites (RU)
01.10.2010	Communication systems for Spacecrafts (RU)	Communication systems for Spacecrafts (RU)
02.10.2010	Free time	Free time
03.10.2010	Free time	Free time
04.10.2010	Management, exploitation and administration of Spacecraft systems (EN)	Management, exploitation and administration of Spacecraft systems (EN)
05.10.2010	Management, exploitation and administration of Spacecraft systems (EN)	Management, exploitation and administration of Spacecraft systems (EN)
06.10.2010	Management, exploitation and administration of Spacecraft systems (EN)	Management, exploitation and administration of Spacecraft systems (EN)
07.10.2010	Management, exploitation and administration of Spacecraft systems (EN)	Management, exploitation and administration of Spacecraft systems (EN)
08.10.2010	Management, exploitation and administration of Spacecraft systems (EN)	Management, exploitation and administration of Spacecraft systems (EN)
09.10.2010	Free time	Free time
10.10.2010	Free time	Free time
11.10.2010	Coordination Meeting (EN)	Coordination Meeting (EN,RU)
12.10.2010	Demonstration of the operation of the satellite system LAPAN TUBSAT in a mode of real time, by the representatives	Coordination Meeting

	of the BST GmbH, Berlin. (EN)	(RU)
13.10.2010	Study Visit 1 Excursion to Peenemünde (EN)	Excursion to Peenemünde (EN)
14.10.2010	Study Visit 2 Information tour to RapidEye (EN)	Information tour to RapidEye (EN)
15.10.2010	Study Visit 3 Excursion tour to DLR Neustrelitz (EN)	Banquet
16.10.2010	Free time	Free time

## Study Visit 1

### Peenemünde Historical Museum

The Center's 5,000 m<sup>2</sup> of exhibition space contains documents, original rocket parts, interviews with witnesses of the events, documentary films and models. These items illustrate the historical development that led from the dreams of the early rocket pioneers to civil spaceflight and to the systematic development of the first large-scale military missiles in Peenemünde, and their serial production and use in warfare. A second part of the exhibition is devoted to the further development of rocket technology after the Second World War - largely to the arms race during the "Cold War", but also to the first breakthroughs in civil spaceflight.

## Study Visit 2

**RapidEye**, an ISO certified geospatial information provider, focused on integrating Earth Observation solutions into the daily workflow of customers world-wide, and dedicated to providing customized, long-term management solutions and support.

Time	Program
10.00-10.40	General Overview of RapidEye and its constellation of five satellites
10.40-11.20	Visit of the Lobby and the Satellite Control Center, Visit of the Operator room
11.20-12.00	Time for questions

## Study Visit 3

**DLR** - the national ground segment, of the German Remote-sensing Data Centre and the radio telescopes for payload data from remote-sensing satellites and other small scientific satellites in Germany.

11:10 Introduction to DLR & DLR site Neustrelitz

11:45 Maritime communication  
12:15 Space weather  
12:45 Realtime data centre

<b>DLR – tour</b>	Group #1	Group #2	Group #3
13:15	Ground Station	Antenna Systems	Robot Archive
13.45	Antenna Systems	Robot Archive	Ground Station
14:15	Robot Archive	Ground Station	Antenna Systems

14:45 Final Discussion