

Registration

Institute of Geodesy and Navigation
University FAF Munich
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Deadline for registration

Deadline for registration is **May 3rd, 2011**

Travel Support

PhD students can apply for travel support. Further information can be found on the homepage of Satellite Navigation University Network <http://www.snun.eu> under support.

Hotel information

- **NH Muenchen Unterhaching**, <http://www.nh-hotels.de>
- **Hotel am Hachinger Bach**, <http://www.hotelamhachingerbach.de/>
- **Golden Leaf**, <http://www.golden-leaf-hotel.de/>
- **Mercure Hotel** Neuperlach Sued, <http://www.mercure.com/>
- **Further accommodation** you'll find on the tourist information page: <http://www.muenchen.de>

Directions

From the Airport

Take Suburban Train S8- Direction Herrsching, Exit: Ostbahnhof.
Take Metro U5 – Direction Neuperlach Süd, Exit: Neuperlach Süd **OR** Suburban Train S7 – Direction Kreuzstrasse, Exit: Neuperlach Süd
Take Bus 218 – Direction: Neubiberg, Campeon West, Exit: Universitätsstrasse **OR**
Bus 217 - Direction: Neuperlach Süd, Exit: Universitätsstrasse

From the Main Station

Take Metro U5 – Direction Neuperlach Süd, Exit: Neuperlach Süd
Take Bus218 – Direction: Neubiberg, Campeon West, Exit: Universitätsstrasse **OR**
Bus 217 - Direction: Neuperlach Süd, Exit: Universitätsstrasse

GNSS PhD Training - 2011 Munich - May 23-25

getting new knowledge - training - excercising - solving problem - practising -
networking - communicating - find it out...



The GNSS PhD Training is part of the GTRAIN project funded in the 7 Framework Programme and managed by the European Commission and the European GNSS Agency.

Objectives

The PhD training aims at providing advanced training to PhD students whose work is related to the field of satellite navigation. This 3 day training course provides solid advanced lessons for all PhD students in Europe. It offers basic knowledge as well as high level technical lessons on selected topics in GNSS aiming to support PhD students in their daily research work. Also a specific part is dedicated to thesis management. In addition, the GNSS PhD training has been designed using an international platform of recognized GNSS institutions so as to offer a unique opportunity for networking to participants.

PLANNED PROGRAMME

May 23, 2011

10.00 – 10.45: Opening

Welcome– Prof. Dr. Bernd Eissfeller, UniFAF Munich
Short Introduction by students and faculty

FUNDAMENTALS OF GNSS

10.45 – 12.15 **Current State of the GNSS Programmes**
– **Matteo Paonni**, UniFAF Munich

12.15 – 13.30 LUNCH

13.30 – 15.00 **The Role of FFT in GNSS Receivers**
– **Prof. Dr. Letizia Lo Presti**, Politecnico di Torino

15.00 – 15.15 AFTERNOON TEA

SCIENTIFIC AND RESEARCH WORK

15.15 – 16.45 **Project Management for PhDs**
– **Irmgard Barth**, People & Projects, Heidelberg

16.45 - 17.00 COFFEE BREAK

17.00 – 18.30 **Project Management for PhDs**
– **Irmgard Barth**, People & Projects, Heidelberg

GET-TOGETHER

May 24, 2011

INERTIAL AND MULTISENSOR-NAVIGATION

09.00 – 10.30 **Introduction to Inertial Navigation**
– **Prof. Dr. Bernd Eissfeller**, UniFAF Munich

10.30 – 10.45 COFFEE BREAK

10.45 – 12.15 **Inertial Sensors**
– **Prof. Dr. Bernd Eissfeller**, UniFAF Munich

12.15 – 13.30 LUNCH

13.30 – 15.00 **GPS/INS integration in a nutshell** (a tutorial of an open source ultra-tightly GPS/dead-reckoning system programmed in C)
– **Dr. habil Thomas Pany**, IFEN, Poing

15.00 – 15.15 AFTERNOON TEA

15.15 – 16.45 **Deep Coupling Architectures**
– **Dr. Jong-Hoon Won**, UniFAF Munich

19.00 DINNER

May 25, 2011

RECEIVER AND SIGNAL PROCESSING

09.00 – 10.30 **GNSS Receiver Requirements**
(Signal Model, Propagation Channel and Application Constraints)
– **Dr. Olivier Julien**, ENAC, Toulouse

10.30 – 10.45 COFFEE BREAK

10.45 – 12.15 **GNSS Receiver Signal Processing**
(Correlation, Acquisition and Tracking)
– **Dr. Olivier Julien**, ENAC, Toulouse

12.15 – 13.30 LUNCH

13.30 – 15.00 **GNSS Interference and Jamming: Effects and Countermeasures**
– **Assistant Prof. Dr. Fabio Dovis**, Politecnico di Torino

15.00 – 15.15 AFTERNOON TEA

15.15 – 16.45 **Antenna Techniques**
– **PD Dr. Michael Meurer**, DLR, Oberpfaffenhofen

Participants PhD students whose PhD work is in the field of satellite navigation /GNSS

Date May 23 – 25, 2011

Location University FAF Munich
Werner-Heisenberg-Weg 39
85577 Neubiberg