

# DAAD TN Summer School 2017 on Geodetic Techniques for Global Change Monitoring

Strategic partnerships and thematic networks 2015-2018

July, 23-28, 2017, YiChang, China

Program line B: Thematic Networks (TN), Projekt ID: 57173947, University of Stuttgart

Project homepage : <http://themnet.gis.uni-stuttgart.de/>

## General Information

**Hosted by:** University of Stuttgart, Wuhan University

**Date:** July, 23-28, 2017

**Location:** BanShan Hotel, Development Avenue 56, DongShan Development Zone, YiChang, Hubei Province, China  
(地址: 湖北省宜昌市东山开发区发展大道56号半山酒店)

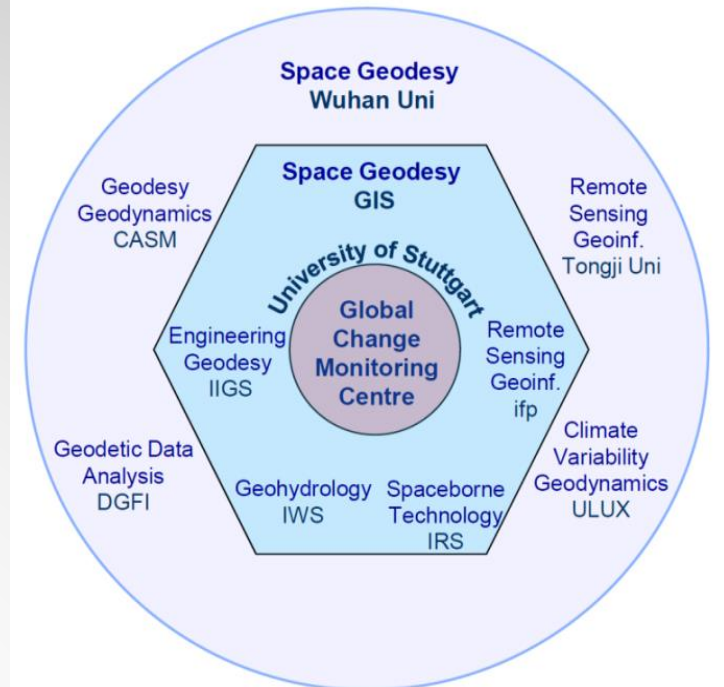
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## Purposes

- ▶ Exchange of knowledge and actual research status related to DAAD TN
- ▶ Allowing German and Chinese students and junior researchers to become familiar with the teaching activities and research facilities at the partner universities
- ▶ Taking the aggregated network's expertise in spaceborne geodetic technology, in satellite data analysis and in monitoring and modeling of global change phenomena as the disciplinary basis of the Thematic Network

## Model/Construction



## Contents

- ▶ Satellite Altimetry
- ▶ Positioning, Navigation and Reference Systems Satellite
- ▶ Gravimetry and Enabling Technologies
- ▶ Hydrological Geodesy
- ▶ Applications for Global Change Monitoring

## Agenda

Time   Day	Sun 23.07	Mon 24.07	Tue 25.07	Wed 26.07	Thu 27.07	Fri 28.07
9:00-10:30	Registration	Welcome speech Jiancheng Li Introductory talk on global change Nico Sneeuw	Altimetry 4: Ice Xiaohua Tong	Loading and crustal displacement Tonie Van Dam, Qiang Chen	Deformation analysis using Kalman-filter methodology Volker Schwieger	Satellite gravimetry Xiancai Zou
11:00-12:30		Altimetry 1: Basics and hydrology Mohammad Tourian	Time series analysis: Basics Nico Sneeuw	Time series GNSS coordinates Weiping Jiang	Infrastructural deformation monitoring Jiming Guo	GRACE/ GOCE applications Hanjiang Wen
14:30-16:00		Altimetry 2: Sea level Taoyong Jin Altimetry 3: Heights Wenbin Shen	Social program	GNSS- Seismology Xiaohong Zhang	Crustal deformation monitoring by InSAR Caijun Xu	Lab: Satellite Gravimetry Lab coord.: Xinyu Xu
16:30-18:00		Lab: Altimetry Sea level/ hydrology Lab coord.: Mohammad Tourian		Lab: Time series Lab coord.: Weiping Jiang	Lab: Deformation Labcoord.: Jinyue Wang	Closing

- Notes: 1. Students need to bring their own laptops with Matlab installed.  
2. Certificates could be prepared so students can get credit points for the participation in the workshop, if needed.  
3. Students need to arrive at BanShan hotel the day before opening by themselves.