

1st Announcement and Call for Abstract Submission

The 8th International Workshop on TibXS (Multi-observations and Interpretations of Tibet, Xinjiang and Siberia)

8th Int. Workshop TibXS, August 21-25, 2017, Mohe, Heilongjiang, China

<http://main.sgg.whu.edu.cn/tibxs/tibxs2017/tibxs2017.html>

<http://space.cv.nctu.edu.tw/altimetryworkshop.html>

Organized and sponsored by

School of Geodesy and Geomatics/Key Laboratory of Geospace Environment and Geodesy, Wuhan University, Wuhan 430079, China;

Department of Civil Engineering, National Chiao Tung University, Hsinchu, Taiwan;

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Background information

Tibet, Xinjiang and Siberia (TibXS) are the regions of scientific interests of this workshop. In the previous seven TibXS workshops and this workshop, we discuss a number of issues over TibXS, including hydrological change, geodynamic and cryospheric processes and climate change, based on data from space-borne and terrestrial sensors. To date, GRACE has provided 15 years of time-varying gravity fields in TibXS, which will be extended by its follow-on mission launched in 2017. Other sensors are also providing long-term data that can decipher geodynamic and climate signals at time scales ranging from month to decade.

As the multiple-type data volumes in TibXS grow, advanced techniques in signal processing are needed to effectively extract targeted signals. Cross-correlations between different data types are important keys to finding the interplay between the data, and to understanding the cause and effect of interested phenomena. In the meeting, we encourage presenting the latest research achievements as well as potential ideas, suggestions and original and challenging insights in science. The following subjects are accepted (but not limited to): hydrological change over river basins, lake level variation, vertical deformation, mountain glacier change, atmospheric circulation in TibXS, time and frequency applications in geoscience, geopotential and orthometric height determinations, unification of world height datum systems. The Scientific and Local Organizing Committee welcome world scientists to attend the meeting.

Scientific Committee

Chair:

Cheinway Hwang, National Chiao Tung University, Taiwan

Vice-chair:

Wen-Bin Shen, Wuhan University, China

Members:

Benjamin Fong Chao, Central University, Taiwan

Xiaoli Ding, Hongkong Technical University, Kongkong

Kosuke Heki, Hokkaido University, Japan

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Xiaodong Song, University of Illinois at Urbana-Champaign, USA

Heping Sun, Inst. of Geodesy and Geophysics, Chinese Academy of Science, China

Wenke Sun, Key Laboratory of Computational Geodynamics, Chinese Academy of Science, China

Robert Tenzer, The Hong Kong Polytechnic University, Kowloon, Hong Kong

Shuangxi Zhang, Wuhan University, China

Local Organization Committee

Houtze Hsu, Inst. of Geodesy and Geophysics, China (Honorary Chair)

Jiancheng Li, Wuhan University, China (Honorary Chair)

Wen-Bin Shen, Wuhan University, China (Chair)

Caijun Xu, Wuhan University, China

Shuangxi Zhang, Wuhan University, China (Co-Chair)

Min Zhong, Inst. of Geodesy and Geophysics, China

Jianqiao Xu, Inst. of Geodesy and Geophysics, China

Venue

The meeting place will be held in the hotel **Daxing Anling International Conference Center**, No.57 Zhenxing Street, Mohe County, Daxinganling District, Heilongjiang. (黑龙江省大兴安岭地区漠河县振兴街57号, 大兴安岭·漠河国际会议中心).

Abstract submission

Deadline for Abstracts Submission is **July 10, 2017**. Abstracts should be submitted to Mr. Chenghui Cai(chcai812@163.com) and WB Shen (wbshen@sgg.whu.edu.cn).

Theme of the workshop

- ✧ Long-term monitoring of surface processes from satellite altimeter such as TOPEX-Jason-1 and 2, ERS-1, -2 and ENVISAT
- ✧ Preliminary Cryosat-2 result
- ✧ Results of satellite and terrestrial-based gravimetric observations
- ✧ Results of GNSS observations, GNSS meteorology and ionosphere
- ✧ Regional hydrology, vertical displacement, glacier change, lake level change and their interpretations from altimeter, GPS, monthly GRACE fields and gravimeters;
- ✧ Various applications, geophysical interpretations and consequences of gravity, GNSS, satellite altimetry and seismic observations
- ✧ SAR and LiDAR detections of surface deformation, especially over TibXS
- ✧ Crust structure and density refinement especially in the region TibXS using multi-datasets

- ✧ Earth rotation modeling and Earth rotation parameters estimates based on various observations
- ✧ Temporal gravity fields, mass migration and strain/stress fields
- ✧ Time and frequency applications in geoscience.

Special issue of an international journal

Contributions from the 8th TibXS are encouraged to submit manuscript to a special issue of an international SCI journal (to be determined), to document new scientific findings in TibXS based on multi-datasets especially the GRACE and altimeter data and time-frequency applications in geoscience. The guest editors will be announced later. The tentative deadline of full paper submission is **November 31, 2017**. Requirements in details will be described in special announcement.

Registration

On-site registration on **21 August 2017** is recommended. The registration fee is 300 USD (or RMB 2000) by cash. For an accompanying adult, the registration fee is 80 USD (or RMB 500).

Formal language of the Workshop

All abstracts, full papers, and presentations should be given in English.

Best Paper Awards for Graduate Students

During the meeting, best paper awards (first prize and second prize) for 6 students (Master or Doctor candidates) will be selected by the Scientific Committee. Extended abstract (four A4 pages, limited to **3000 words and 3 Figures**) should be submitted to Mr. Chenghui Cai (chcai812@163.com) and WB Shen (wbshen@sgg.whu.edu.cn) before the award-competition **deadline of 15 August 2017** if you wish to compete the award. The awards will be granted to the grantors at the meeting closing. The award candidate should be the first author of the paper submitted, who should give an oral presentation at the meeting.

Accommodation

Accommodation cost is covered by participants themselves. Accommodation cost in Hotel: 300 RMB/night for two-beds room (twin room) or one big-bed room (double room).

Transportation

Please take taxi or public buses from Mohe Airport/Train Station to the meeting place, the hotel **Daxing Anling International Conference Center**, No.57 Zhenxing Street, Mohe County, Daxinganling District, Heilongjiang. (黑龙江省大兴安岭地区漠河县振兴街 57 号, 大兴安岭·漠河国际会议中心).

Reception and Invitations

All representatives are invited to attend the **reception from 18:00 to 20:30 on August 21, 2017** (GMT+08:00).

Dinner Invitations: All representatives are invited to attend the **meeting closing dinner: starting at 18:30 on August 24, 2017**.

Pre-Registration

The participants are invited to fill in and submit the attached registration form to Mr. Chenghui Cai (chcai812@163.com) and WB Shen (wbshen@sgg.whu.edu.cn) with the titles of your presentations **before July 10, 2017**.