关于召开 2013 年子午工程雷达国际培训（TCR2013）的第一号通知

东半球空间环境地基综合监测子午链（子午工程）是我国空间环境领域建设的第一个大科学装置，2012 年 10 月通过国家验收转入正式科学运行。自试运行以来，子午工程已积累了超过 1.2TB 的探测数据。其中子午工程建设的大型无线电雷达，如非相干散射雷达、甚高频相干散射雷达、MST 雷达和高频雷达等，在空间环境领域探测和研究中发挥巨大作用。

为让广大科学研究人员熟练掌握雷达数据处理、分析及应用，促进子午工程成果产出，子午工程经理部特主办“2013 年子午工程雷达国际培训（TCR2013）”（见附件 1），邀请来自欧洲和美国的国际著名科学家进行现场培训，重点对 VHF、MST、HF 等雷达数据、数据处理与分析以及科学应用等进行详细讲解。

TCR2013 是完全开放的，培训时间为 9 月 2 日~13 日，培训地点为北京空间中心，欢迎广大爱好或从事无线电雷达的学生、科研工作者、青年科学家等参加培训。无报名费；交通和食宿费自理。请于 8 月 15 日前将培训人员回执表（见附件 2）发送至子午工程项目办公室（meridian@nssc.ac.cn）。

联系人：刘正宽　01062586357

2013 年 7 月 22 日

附件 1：Poster for TCR2013 of the Meridian Project

Training Course on Radars of the Meridian Project 2013 (TCR2013)

2-13, September, 2013 at NSSC, Beijing, China

Meridian Space Weather Monitoring Project (Meridian Project for short), a mega-project of science research on space weather monitoring proposed by several research institutes and universities in China, has been into operation since 2012. With the objectives of investigating the space weather cause-consequence chain in the solar-terrestrial space, understanding the processes of the catastrophic space weather events, and the regional characteristics of the environment above China's territory so as to help ensure the safety of space activities such as satellite operation etc., the project has set up a large-scale ground-based monitoring system composed of 15 stations along the longitude of 120°E and the latitude of 30°N.

The initiative of the Meridian Project is to conduct a comprehensive multi-layered and inter-disciplinary survey and exploration of space environment with advanced ground based techniques. The project has installed a variety of equipments, such as magnetometers, ionosondes and digisondes, VHF radar, Incoherent Scattering Radar, HF back-scattering radar, LIDARs, Fabry-Perot interferometer, IPS, and sounding rockets, in a bid to probe geo-space environment with an altitude higher than20-30km up to the interplanetary space.

Although significant advances have been gained by space weather researchers, much more scientific discovery is awaiting to be unsealed from the mass data accumulated by the Meridian Project. Radars of the Meridian Project are of top importance in the field of space weather study. However, many scientific researchers are not familiar with the radar details, sometimes confused when they deal with the radar data.

The training course focuses on major radars of the Meridian Project, namely the Hainan VHF Coherent scatter Phased Array Radar (HCOPAR), Mesosphere-Stratosphere-Troposphere (MST) radars at Wuhan and Xianghe, and High Frequency radar (SuperDARN) at the Zhongshan station, Antarctic. For each kind of radar, the lectures will cover 4 categories from method, system, data analysis to science. Active and famous international scientists, as well as the PIs of the radars, are invited from Europe and United States.

The main aim of the Training Course on Radars of the Meridian Project 2013(TCR2013) is to give young researchers and students better understanding on radar data, in a bid to build up their capability to handle real radar data.

Training Course on Radars of the Meridian Project 2013(TCR2013) is thus proposed to help young researchers and students understand better the radar, especially to build up their capability to handle real radar data. The training course focuses on major radars of the Meridian Project, namely the Hainan VHF Coherent scatter Phased Array Radar (HCOPAR), Mesosphere- Stratosphere- Troposphere (MST) radars at Wuhan and Xianghe respectively, and High Frequency radar (Super DARN) at the Zhongshan station, Antarctic. For each kind of radars, the lectures will cover 4 categories from method, system, data analysis to radar science. Active and famous international scientists are invited from Europe and United States, in addition to PIs of the radars.

TCR2013 is open to researchers from China. Doctoral candidates, post-docs and young scientists are warmly welcome to join in the training course. It will be a great experience for your future research and development.

No registration fee!

Important Dates

Deadline for registration: August 15, 2013
Opening Ceremony of the training course: September 2, 2013

Organizers

National Space Science Center (NSSC)
State Key Laboratory of Space Weather (SKLSW)
Key Laboratory of Microwave Remote Sensing (MIRSLAB)

(NSSC) (SKLSW) (MIRSLAB)

Sponsors

Meridian Project Office, State Administration of Foreign Experts Affairs

Chair

Dr.WAN Weixin (IGG)

Technical Committee:

Dr. YAN Jingye (NSSC)
Dr. Juergen Rottger (MPI)
Dr. Jorge Chau (JRO)
Dr. J. Michael Ruohoniemi (VT)
Dr. CAI Xia (NSSC)
Dr. SHANG Sheping (NSSC)

Organizing Committee:

Dr. WANG Chi (NSSC)
Dr. ZHANG Xiaoxi (NSSC)
Dr.LAN Li (NSSC)

Lectures:

Lectures from Germany, US, Peru, America, etc. who are expericed with VHF Radar, MST radar and HF radar are invited.

Students:

Doctoral candidates, post-docs and young scientists are welcome.

Contact points:

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附件 2：回执表

序号	姓名	性别	学历、职称	单位名称	手机、邮箱	是否预定房间及入住时间