High-Energy Astrophysics: An Advanced School for Asian Astronomers  
A COSPAR Capacity Building Workshop
Sept. 2nd - 13th, 2013, Xuyi, Jiangsu, China

### Workshop Objectives
- Introduce scientists to high energy astrophysics and multi-wavelength opportunities
- Develop knowledge of the XMM-Newton, Chandra, and Suzaku data archives
- Train scientists in the techniques required to access and analyse data from X-ray archives
- Introduce scientists to X-ray instrumentation applicable to operating future X-ray missions
- Train scientists in the use of X-ray analysis software
- Provide a general overview of possibilities provided by future space-based missions

### Topics of the Workshop
- Basic theoretical concepts of High Energy Astrophysics
- Statistics: basic concepts and applications
- High Energy Satellites: past, present and future
- Software for high-energy data analysis: installation, usage, and basic scripting
- High energy data analysis
  - Accessing archival databases for spectral, timing & imaging data
  - Reduction and analysis of spectroscopic, timing & imaging data
  - Simultaneous analysis of data from multiple detectors & wavebands
- Basics of writing a scientific paper and an observational proposal

### Target Participants
PhD students, postdocs and young faculty member from developing countries in the Asian region, who are either in X-ray fields or with emphasis on multi-wavelength opportunities, are welcome to apply for the workshop. The total number of attendants, however, will be limited to 30.

### LOC Members
- Li Ji, PMO, CAS, (Chair)
- Yizhong Fan, PMO, CAS
- Shijun Lei, PMO, CAS
- Xinzhou Zhou, PMO, CAS
- Shunali Zhang, PMO, CAS
- Yueyue Li, PMO, CAS
- Hongling Chen, PMO, CAS
- Yi Song, PMO, CAS
- Benyun Hong, PMO, CAS

### Lectures
- Keith Arnaud, CRESST, NASA, USA
- Tomaso Belloni, INAF-OAB, Italy
- Carlos Gabriel, ESA, Spain
- Matteo Guainazzi, ESA, Spain
- Mariano Mendez, KAI, The Netherlands
- Michael Nowak, MIT, USA
- Randall Smith, SAO/CfA, USA
- Yukikatsu Terada, Saitama Univ., Japan
- Peter Willmore, Univ. of Birmingham, UK
- Yongquan Xue, USTC, China

### SOC Members
Mariano Mendez, KAI, The Netherlands
- COSPAR (Chair)
Carlos Gabriel, ESAC, ESA, Spain
- COSPAR (Co-Chair & Coordinator)
Alvaro Giménez, ESA, Spain
Kwong Sang Cheng, Hong Kong University
Tiepei Li, Tsinghua University
Shuangnan Zhang, High Energy Institution, CAS
Weimin Yuan, NAO, CAS
Qingzhong Liu, PMO, CAS
Qinsheng Gu, Nanjing University
Xiangdong Li, Nanjing University
Yang Chen, Nanjing University
Haiguang Xu, Shanhai Jiao Tong University
Jin Chang, PMO, CAS
Daming, Wei, PMO, CAS
Weiquan, Gan, PMO, CAS
Ian Corbett, IAU, France

Deadline for registration: June 20th, 2013
Deadline for financial support request: June 10th, 2013
For more information, please visit: http://cospar2013xos.csp.escience.cn