



Joint Scientific Space Mission
Chinese Academy of Sciences (CAS) - European Space Agency (ESA)

CAS-ESA Joint Scientific Space Mission 1st Workshop

PARTICIPANTS HANDBOOK

FEBRUARY 25 – 26, 2014
CHENGDU, CHINA

VENUE

The workshop takes place at Banquet Hall, Green Land Hotel (4th Floor). There's no wifi connection in the meeting room, while both cable connection and wifi connection are available in the hotel room.

ABOUT POSTERS

Time to put up posters: 21:00-22:00, Feb. 24; and 7:30-8:45, Feb. 25

Time for the poster session: 13:00-14:00 on Feb. 25, 26

Venue to put up posters: Banquet Hall, Green Land Hotel (4th Floor)

In the poster area, there is a sticker with abstract title indicating the poster location.

The authors' presence during the poster session will be appreciated.

WELCOME RECEPTION

Starting Time: 19:30, Feb. 24

Venue: Banquet Hall, Green Land Hotel (4th Floor)

BOARD & LODGING

The welcome reception on Feb. 24 and the lunches on Feb. 25 and Feb. 26 are covered by NSSC, while other expenses are undertaken by the participants.

ADDRESS OF GREEN LAND HOTEL

No.99, Zhonglieci West Street, Chengdu, Sichuan, China

四川绿洲大酒店，四川省成都市忠烈祠西街 99 号

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NOTES

1. The breakfast starts at 7:00 and ends at 10:00.
2. The badges will be retrieved for recycling purpose after the closing speech at the end of the workshop.

Agenda of CAS-ESA Joint Scientific Space Mission 1st Workshop

DAY 1: February 25, 2014

| INTRODUCTION: <i>Chairman: Ji Wu, NSSC, CAS</i> | | |
|--|---|---|
| Time | Subject | Contributor |
| 09:00-09:10 | Opening Speech | Ji Wu, NSSC, CAS, China |
| 09:10-09:25 | Overall Introduction | Fabio Favata, ESA |
| 09:25-09:50 | Technical Constraints Introduction | Frederic Safa, ESA |
| 09:50-10:10 | Invited Speech | Luigi Piro, INAF, Italy |
| 10:10-10:15 | Discussion | |
| 10:15-10:35 | Invited Speech | Weiqun Gan, PMO, CAS, China |
| 10:35-10:40 | Discussion | |
| 10:40-11:00 | <i>Coffee Break</i> | |
| 11:00-11:20 | Invited Speech | Chi Wang, NSSC, CAS, China |
| 11:20-11:25 | Discussion | |
| 11:25-11:45 | Invited Speech | John Zarnecki, The Open University, UK |
| 11:45-11:50 | Discussion | |
| 11:50-13:00 | <i>Lunch</i> | |
| 13:00-14:00 | Poster Session | |
| SESSION I: Space Astronomy <i>Chairman: Luigi Colangeli, ESA</i> | | |
| 14:00-14:10 | Welcome Speech | Jinghua Cao, CAS, China |
| 14:10-14:20 | Welcome Speech | Alvaro Gimenez, ESA |
| 14:20-14:35 | X-Ray Imaging Light Polarimetry Explorer | Enrico Costa, IAPS-INAF, Italy |
| 14:35-14:40 | Discussion | |
| 14:40-14:55 | Einstein Probe—Exploring the Dynamic X-Ray Universe | Weimin Yuan, NAOC, China |
| 14:55-15:00 | Discussion | |
| 15:00-15:15 | Lobster X-ray Telescope Science | Julian Osborne, University of Leicester, UK |
| 15:15-15:20 | Discussion | |

| Time | Subject | Contributor |
|-------------|---|--|
| 15:20-15:35 | GAME: Grb and All-sky Monitor Experiment | Marco Feroci, INAF, Italy |
| 15:35-15:40 | Discussion | |
| 15:40-15:55 | PANGU: A High Resolution Gamma-Ray Space Telescope | Xin Wu, University of Geneva, Switzerland |
| 15:55-16:00 | Discussion | |
| 16:00-16:20 | <i>Group Photo and Coffee Break</i> | |
| 16:20-16:35 | A Concept of Dark Age Interferometric Array (DAIA) | Ding Chen/Jingye Yan, NSSC, CAS, China |
| 16:35-16:40 | Discussion | |
| 16:40-16:55 | Low Frequency Space Imaging Radio Observatory (LF-SRO) | Willem Baan, SHAO, CAS, China |
| 16:55-17:00 | Discussion | |
| 17:00-17:15 | Cosmology and Molecule Explorer (COME) | Di Li, NAOC, China |
| 17:15-17:20 | Discussion | |
| 17:20-17:35 | Space Very Long Wavelength Array | Maohai Huang, NAOC, China |
| 17:35-17:40 | Discussion | |
| 17:40-17:55 | μ Astrometry | Alexis Brandeker, Stockholm University, Sweden |
| 17:55-18:00 | Discussion | |
| 18:00-18:15 | Searching for Habitable Planets: Bright Star Survey Telescopes (BSST) | Jilin Zhou, Nanjing University, China |
| 18:15-18:20 | Discussion | |

DAY 2: February 26, 2014

| SESSION I: Space Astronomy <i>Chairman: Shuangnan Zhang, IHEP, CAS</i> | | |
|--|---|---|
| Time | Subject | Contributor |
| 09:00-09:15 | SIRIUS - Stellar & ISM Research via In-orbit Ultraviolet Spectroscopy | Martin Barstow, University of Leicester, UK |
| 09:15-09:20 | Discussion | |
| 09:20-09:35 | Joint UV Survey Telescope: Exploring Time-domain Astronomy and Deep Universe | Stephane Basa, LAM/CNRS, France |
| 09:35-09:40 | Discussion | |
| 09:40-09:55 | UV Emission Mapping for Intergalactic Medium & Nearby Galaxies | Li Ji, PMO, CAS, China |
| 09:55-10:00 | Discussion | |
| 10:00-10:15 | The Far Infrared Spectroscopic Explorer (FIRSPEX) | Dimitra Rigopoulou, RAL Space/Oxford University, UK |
| 10:15-10:20 | Discussion | |
| 10:20-10:35 | The MESSIER Mission: Unveiling the Low Surface Brightness Universe | David Valls-Gabaud, Observatoire de Paris, France |
| 10:35-10:40 | Discussion | |
| 10:40-11:00 | <i>Coffee Break</i> | |
| SESSION II: Solar Physics <i>Chairman: Arvind Parmar, ESA</i> | | |
| 11:00-11:15 | Magnetic Activity of the Solar Corona (MASC) | Frédéric Auchère, Institut d'Astrophysique Spatiale, France |
| 11:15-11:20 | Discussion | |
| 11:20-11:35 | Solar Energetic Emission and Particles Explorer | Siming Liu, PMO, CAS, China |
| 11:35-11:40 | Discussion | |
| 11:40-11:55 | SWUSV: a Microsatellite Mission for Space Weather and Ultraviolet Solar Variability | Luc Damé, LATMOS/IPSL/CNRS/UVSQ, France |
| 11:55-12:00 | Discussion | |
| 12:00-13:00 | <i>Lunch</i> | |
| 13:00-14:00 | Poster Session | |

| Time | Subject | Contributor |
|--|--|---|
| SESSION III: Space Physics <i>Chairman: Chi Wang, NSSC, CAS</i> | | |
| 14:00-14:15 | REal-time Sun-earth Connections Observatory (RESCO): A Potential Heliophysics Mission at L5 | Ying Liu, NSSC, CAS, China |
| 14:15-14:20 | Discussion | |
| 14:20-14:35 | Weather Sentinel | Piero Spillantini, National Institute of Nuclear Physics, Italy |
| 14:35-14:40 | Discussion | |
| 14:40-14:55 | X-ray Imaging of the Magnetosphere | Tianran Sun, NSSC, CAS, China |
| 14:55-15:00 | Discussion | |
| 15:00-15:15 | Tor - Exploring Dissipation in Solar Wind Turbulence | Yuri Khotyaintsev, Swedish Institute of Space Physics, Sweden |
| 15:15-15:20 | Discussion | |
| 15:20-15:40 | <i>Coffee Break</i> | |
| SESSION IV: Fundamental Physics <i>Chairman: Fabio Favata, ESA</i> | | |
| 15:40-15:55 | Detection of Planetary Gravitomagnetic Field in General Relativity and Laser Interferometry in Space | Yunkau Lau, AMSS, CAS, China |
| 15:55-16:00 | Discussion | |
| 16:00-16:15 | High Sensitivity Geodesy Mission through a Re-flight of LISA Pathfinder | Gerhard Heinzel, AEI, Germany |
| 16:15-16:20 | Discussion | |
| 16:20-16:35 | CGS—Chinese Geomagnetic Small Multi-satellite Mission | Aimin Du, IGG, CAS, China |
| 16:35-16:40 | Discussion | |
| 16:40-16:55 | Gravitation Astrometric Measurement Experiment (GAME) | Mario Gai, Ist. Naz. Astrofisica - Oss. Astr. Torino, Italy |
| 16:55-17:00 | Discussion | |
| 17:00-17:10 | Closing Speech | Alvaro Gimenez, ESA |
| 17:10-17:20 | Closing Speech | Ji Wu, NSSC, CAS, China |

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LOCAL MAP

1. From Airport to Hotel: ~20km



2. From Hotel to Subway Station: ~830 m

