



INTERNATIONAL SYMPOSIUM ON ASTEROIDS AND
COMET GRVITY AND INTERIORS

Handbook

Dec 16–18,
2018, Wuhan



激活
转到

- **Sponsored by**

Wuhan University (武汉大学)

China University of Geoscience (Wuhan) (中国地质大学 (武汉))

International Association of Planetary Science (国际行星科学协会)

IUGG Union Commission on Planetary Science (IUGG 行星科学委员会)

- **Organized by**

State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (测绘遥感信息工程国家重点实验室)

Collaborative Innovation Center Geospatial Technology (地理信息协同创新中心)

Planetary Science Institute, China University of Geoscience (Wuhan) (中国地质大学 (武汉) 行星科学研究所)

- **Scientific Committee (SC)**

Co-Chair:

- XIAO Long (China Geoscience University (Wuhan), China)
- JIN Shuanggen (Shanghai Astronomical Observatory, China)
- Jean-Pierre Barriot (Wuhan University, China)

- **Local Organizing Committee (LOC)**

Chair:

- LI Fei

Secretary General:

YAN Jianguo

Vice-Secretaries:

HAO Weifeng

DENG Qingyun

LIU Shanhong

General Information

Meeting

- Venue: 2rd Lecture Hall, Wuhan University (测绘遥感信息工程国家重点实验室二楼报告厅)

Lunch

- Dec. 17, Xinghuyuan Restaurant (校内星湖园餐厅)
- Dec. 18, Xinghuyuan Restaurant (校内星湖园餐厅)

Welcome Dinner

- Dec. 17, The 5th floor, Hualian Hall, Junyi Dynasty Hotel (君宜王朝酒店花莲厅)

Registration

Venue: 2rd Lecture Hall, Wuhan University (测绘遥感信息工程国家重点实验室二楼报告厅)

- Dec. 16.....8:00-18:00

Accommodation

Junyi Dynasty Hotel (君宜王朝酒店)

Local Contacts

Coordinators:

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DENG Qingyun (邓青云), 18673356533

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Accommodation and Transportation:

GUO Xi (郭茜), 13163259356

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Meeting Room:

ZHANG Haoshan (张浩山), 13129978170

CHEN Yihao (陈祎豪), 18625588789

Notice

Please transfer your PPT file to the contactor of meeting room half a day before your presentation. If you would like to use your own PC, please contact LOC much earlier and make your PC access to the projector available. (请提前半天将您的口头报告 PPT 文件传递给会场组联络人。如您需要使用自带的笔记本电脑，请尽早联系会务组并确认投影仪接口能正常使用。)

Please keep quiet and set your mobile phone to “mute” mode when you are listening to the presentations in the meeting room. (会场请保持安静，并将您的手机设置为“静音”状态。)

Programme

December 17, 2018 Monday

8:30-8:55	Opening Session Convener: Jean-Pierre Barriot	2rd Lecture Hall
8:30-8:35	Speech on behalf of the Scientific Committee (SC)	Xiao Long SC Co-Chair
8:35-8:45	Speech on behalf of Wuhan University (WHU)	Li Fei

8:45-10:10	Session 1-1: Keynote presentations Convener: Jin Shuanggen	2rd Lecture Hall
8:45-9:15	S1-1-1: A conceptual study for a future mission of asteroid interiors	Noriyuki Namiki
9:15-9:45	S1-1-2: The gravity field of comet 67P-CG and implications for its internal structure	Thomas Paul Andert
9:45-10:15	S1-1-3: Advancement of lunar gravity model due to the development of space tracking techniques	Li Fei

10:15-10:25	Picture & Coffee break	
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10:25-11:40	Session 1-2: Keynote presentations Convener: Noriyuki Namiki	2rd Lecture Hall
10:25-10:55	S1-2-1: The gravity field models of asteroid Eros and CG-67 in Bispherical harmonics from shape models	Jean-Pierre Barriot
10:55-11:25	S1-2-2: Planetary Geodesy: Recent Progress and Prospective	Jin Shuanggen
11:25-11:55	S1-2-3: Singularity-free Equations of Planet Motion and their Applications	Xu Guochang

12:00-14:00	Lunch	Xinghuyuan Restaurant
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14:00-14:30	Session 2-1: Keynote presentations Convener: Thomas Paul Andert	2rd Lecture Hall
14:00-14:30	S2-1-1: Status report of Hayabusa2 Laser Altimeter (LIDAR)	Hiroto Noda
14:30-15:00	S2-1-2: The Micro spacecraft in 2016HO3 Exploration	Wang Peng
15:00-15:30	S2-1-3: Spin-Orbit Coupling in Binary Asteroid Systems	Hou Xiyun

15:30-15:45	Coffee break
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15:45-17:00	Session 2-3: Dynamics, Gravity and Interior Structure Convener: Koji Matsumoto	2rd Lecture Hall
15:45-16:00	S2-3-1: Dynamics and Applications of Non-Keplerian Displaced Orbits above an Asteroid	Ming Xu
16:00-16:15	S2-3-2: High degree Phobos gravity field modeling from shape model	Guo Xi
16:15-16:30	S2-3-3: The possible internal structure of near-Earth asteroid (469219) 2016 HO3	Hu Shoucun
16:30-16:45	S2-3-4: A Potential Approach for Reconstructing internal structure of Small Asteroids Electromagnetic Full Waveform Inversion	Zhu Peimin
16:45-17:00	S2-3-5: A complex model of asteroid for joint inverse	Li Yuan

17:00-18:00	Session 2-4: Planetary Exploration Convener: Jin Shuanggen	2rd Lecture Hall
17:00-17:15	S2-4-1: Constraints on the Deep Lunar Interior Based on the Tidal Response Parameters	Yuji Harada
17:15-17:30	S2-4-2: Lunar Irregular Mare Patches: Testing the Waning-Stage Magmatic Foam Extrusion Formation Mechanism	Qiao Le
17:30-17:45	S2-4-3: Microwave Thermophysical Features of Apollo Basin Revealed by CE-2 CELMS Data	Meng Zhiguo
17:45-18:00	S2-4-4: Crustal structures of major Mercurian basins	Deng Qingyun

18:00-20:00	Dinner	Junyi Hotel
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December 18, 2018 Tuesday

8:30-9:00	Session 3-1: Keynote presentations Convener: Yan Jianguo	2rd Lecture Hall
8:30-9:00	S3-1-1: An overview of MMX geodesy	Koji Matsumoto

9:00-10:05	Session 3-2: Acceleration and Its Application in Asteroid Mission Convener: Yan Jianguo	2rd Lecture Hall
9:00-9:15	S3-2-1: Current Progress of Space Electrostatic Accelerometer at HUST	Bai Yanzheng
9:15-9:30	S3-2-2: High-precision Magnetic Suspension Accelerometer Technology	Liu Min
9:30-9:45	S3-2-3: Measurement and applications of LOS (line of sight) acceleration of deep spacecraft	Jian Nianchuan
9:45-10:00	S3-2-4: Chang'E-3 satellite and constraint of cosmic random background gravitational waves	Tang Wenlin
10:00-10:15	S3-2-5: Studies of First-Stage (Level-1) Data Processing of GRAIL Mission	Xu Peng

10:15-10:30	Coffee break	
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10:30-11:20	Session 3-3: Radio Science and Orbit Determination Convener: Jean-Pierre Barriot	2rd Lecture Hall
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10:30-10:45	S3-3-1: The study of radio observation of comets	Wang Zhen
10:45-11:00	S3-3-2: Chang'E-4 relay satellite precise orbit determination using bi-station tracking data	Cao Jianfeng
11:00-11:15	S3-3-3: Combined Orbit Determination for CE2 and Toutatis	Hu Songjie
11:15-11:30	S3-3-4: Image in MEX spacecraft precise orbit determination during Phobos flyby: A simulation	Liu Suyan
11:30-11:45	S3-3-5: A laboratory Study of Phase-ratio Imagery Method	Ma Pei
11:45-12:00	S3-3-6: Precise position and photometry of Near Earth Asteroids by Rotating-drift-scan CCD	Tang Zhenghong
12:00-12:15	S3-3-7: Low-degree gravity field determination of Phobos from recent two MEX flybys	Yan Jianguo

12:15-13:30	Lunch	Xinghuyuan Restaurant
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Free to choose to visit Antenna Station or other arrangement.....

18:00-20:00	Dinner	Junyi Hotel
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POSTER

No.	Presenter	Title
1	Wei Erhu	Effect of Lunar Gravity Models on Chang'E-2 and Chang'E-3 Orbit Determination using VLBI
2	Xu Luyuan	Thickness Distribution of Primary Ejecta for Schrödinger Basin
3	Yang Yongzhang	Numerical model of Phobos rotation
4	Hao Weifeng	An Improved Digital Elevation Model of the Lunar Mons Rümker Region Based on Multisource Altimeter Data
5	Jin Weitong	Lutetia Flyby Data Processing
6	Liu Shanhong	Precise lander positioning using Chang'E-3 lander data and simulation for Chang'E-5
7	He Qingbao	Analysis of Chang'E-3 VLBI data on SNR and delay turbulence

Venue Map



