

## 2nd ANNOUNCEMENT (updated)

### The 23rd International Workshop on Laser Ranging

Kunming, China, Oct.20<sup>th</sup>~26<sup>th</sup>, 2024

<https://23rdworkshop.casconf.cn/>



The 23rd International Workshop on Laser Ranging will be held during Oct.20~26, 2024 in Kunming, China, and is hosted by the ILRS together with the Yunnan Observatories, Chinese Academy of Sciences (YNAO). The workshop aims to promote communication, cooperation and development of SLR research worldwide. As it's the 60th anniversary of the first successful SLR experiment, researchers from all around the world are welcome to discuss the key technologies, important breakthroughs, innovative concepts, opportunities and challenges in the field of laser ranging. Online participation is also possible, the connection methods and fee will be gradually updated on the conference website.

#### ● Location

The workshop will be held at the Zhongwei Green Lake Hotel Kunming, near one of the most popular attractions in Kunming, the Green Lake Park.

Hotel info: <http://www.zhongweigreenlake.cn/en>

Reservation can be accessed through the workshop website.

#### ● Registration fees (for in-person participation)

The registration fee includes the reception, coffee breaks, lunches and 3 dinners, visiting and social-activity costs. Accommodation and transportation are not included. The registration fee is listed as follows:

Registration fee	
Standard participant	3500 CNY/person
Student (Bachelor/Master/PhD)	3000 CNY/person
Accompanying person	1000 CNY/person

#### [IMPORTANT] About Payment:

- Please pay in CASH or by CREDIT CARDS at the conference reception on your arrival or during the workshop.  
Supported credit cards: MasterCard/VISA/UnionPay.
- For Chinese domestic participants, you can transfer to the bank account which is updated on the workshop website.

● **Schedule**

Schedule of the 23rd IWLR	
Oct.20	Arrival, Registration, and Reception buffet
Oct.21	Opening ceremony, Academic reports, and Dinner
Oct.22	Academic reports
Oct.23	Academic reports
Oct.24	Visit the Fuxian-Lake Site and Kunming Station, Buffet dinner
Oct.25	Academic Reports and Closing Ceremony
Oct.26	End of the Workshop

● **Sessions**

Sessions	Contents
Scientific application of SLR data	<ul style="list-style-type: none"> <li>- SLR Contribution to Global Geodetic Observing System</li> <li>- Improvements in the SLR Product Quality &amp; Precise Orbit Determination</li> <li>- Satellite Missions &amp; Techniques for Geodetic Applications</li> </ul>
Development of SLR technology	<ul style="list-style-type: none"> <li>- New devices and technologies</li> <li>- Developments in instrumentation, detectors, timing systems, laser systems &amp; laser safety</li> </ul>
Lunar Laser Ranging & Deep Space Missions	<ul style="list-style-type: none"> <li>- Advances in lunar laser ranging</li> <li>- Future deep space missions</li> <li>- Interplanetary laser ranging perspectives</li> </ul>
Developments in Software & Automation	<ul style="list-style-type: none"> <li>- Software techniques including automation, data processing</li> <li>- Operational safety</li> <li>- Optimized scheduling</li> </ul>
Space Debris Sessions	<ul style="list-style-type: none"> <li>- Sensors &amp; Satellite Tracking</li> <li>- Orbit Determination &amp; Propagation</li> <li>- Conjunction Analysis &amp; Collision Avoidance</li> <li>- Mitigation &amp; Remediation</li> </ul>
Site Analysis	<ul style="list-style-type: none"> <li>- Site operation and updates</li> <li>- Analysis on systematic errors</li> </ul>
Corner cube reflector	<ul style="list-style-type: none"> <li>- Design and development of new corner cube reflector</li> </ul>

● **Scientific Organizing Committee**

[Chair] Changyin Zhao (PMO, China)  
Ben Greene (EOS, Australia)

Cinzia Luceri (ASI/CGS Matera, Italy)  
Chengzhi Liu (CHO, China)  
Clément Courde (INSU, France)  
Evan Hoffmann (NASA, USA)  
Hyung-Chul Lim (KASS, Korea)  
Johann Eckl (BKG, Germany)  
José Rodríguez (UNGGCEU, Spain)  
Michael Pearlman (CfA, USA)  
Michael Steindorfer (OEAW, Austria)  
Mathis Blossfeld (DGFI-TUM, Germany)  
Matt Wilkinson (NERC Space Geodesy Facility, UK)  
Peiyuan Wang (OEAW, Austria)  
Stephen Merkowitz (NASA, USA)  
Tomasz Suchodolski (Space Research Centre of PAS, Poland)  
Toshimichi Otsubo (Hitotsubashi University, Japan)  
Yue Gao (EOS, Australia)  
Yuqiang Li (YNAO, China)  
You Zhao (NAO, China)  
Zhongping Zhang (SHAO, China)

### ● **Local Organizing Committee**

[Chair] Yuqiang Li (YNAO, China)  
Dongsheng Zhai (YNAO, China)  
Haitao Zhang (YNAO, China)  
Honglin Fu (YNAO, China)  
Kai Tang (SHAO, China)  
Peng Shu (YNAO, China)  
Rongwang Li (YNAO, China)  
Rufeng Tang (YNAO, China)  
Xiaoli Su (YNAO, China)  
Xiaoyu Pi (YNAO, China)  
Yongzhang Yang (YNAO, China)  
Zhipeng Liang (CHO, China)  
Zhulian Li (YNAO, China)

### ● **Contact**

Workshop Website: <https://23rdworkshop.casconf.cn/>

Email: KunmingLOC@outlook.com

Postal Address:

P.O.Box110, No.396, Yangfangwang, Kunming, Yunnan P.R.China, 650216