

Laser Ranging School

- One day school on October 20
- 40+ participants from 15 countries (incl. China, Australia, Japan, US)
- Lots of discussion
- Survey input from participants yet to be reduced
- Comments
 - Response so far very positive
 - Schedule tight; suggest at least 2 days in the future
 - More interactive exercises

SLR School | Agenda

- **Session 1: Introduction to the Satellite Laser Ranging Technique**
 - Introduction: Mike Pearlman
 - Satellite laser ranging (John Degnan/60 min)
 - Lunar laser ranging (Jean-Marie Torre and Doug Currie/20 min)
- **Session 2: Data Analysis**
 - Role and function of the Data Centers (Carey Noll/20 min)
 - Analyzing of SLR observations - what do we do with the data? (Mathis Blossfeld/25 min)
 - Data analysis demonstration - data download and normal point computation (Alex Kehn/ 25 min)
 - Reference frames and geodetic products (Daniela Thaller/20 min))
- **Session 3: Corrections and Error Sources**
 - What corrections do we add to our basic range data? (Jose Rodriguez/15 min)
 - How do we calibrate? (Ivan Procházka/15 min)
 - What are the error sources to our ranging data? (Ivan Procházka/15 min)
 - Accurate timing; (Ivan Procházka/15 min)
 - The importance of ground surveys and how do we do them (Johann Eckl/15 min)
 - Spacecraft center of mass modeling; (Jose Rodriguez/15 min)
- **Session 4: Station Operations and Other Applications of Satellite Laser Ranging**
 - Space debris, technique and applications (Michael Steindorfer/20 min)
 - SLR Operations
 - SLR Tracking: (Rob Sherwood/20 min)
 - In-sky Safety: (Matt Wilkinson/20 min)
 - Building a SLR Station in 2019: (André Kloth and Sven Bauer/20 min).
- **Wrap up**