



Nineteenth International Workshop on Laser Ranging

Annapolis, Maryland October 27 – 31, 2014

Organized and Sponsored by:

- National Aeronautics and Space Administration Goddard Space Flight Center
 - Smithsonian Astrophysical Observatory
 - International Laser Ranging Service



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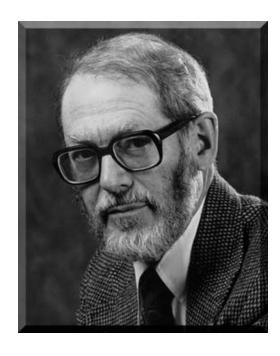
Cybioms





Fathers of the Workshop





George C. Weiffenbach 1921 - 2003



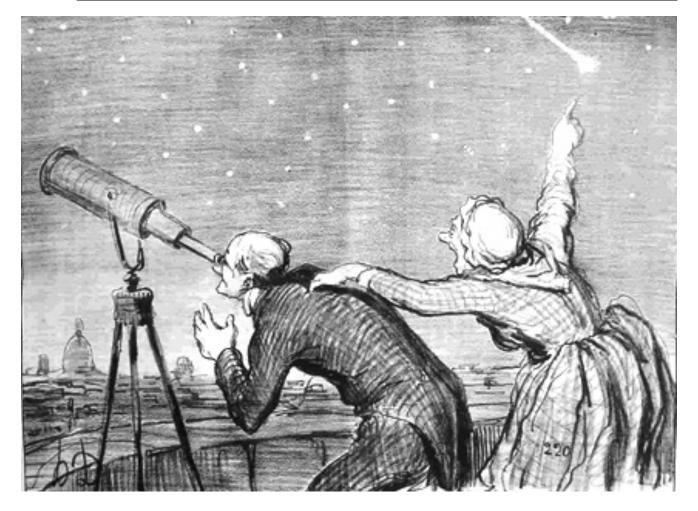
Karel Hamal 1932 – 2007

To provide an opportunity for engineers, practitioners, analysts and scientists to meet to exchange ideas, to compare technologies, to connect the measurements with the science, and to discuss the path forward.



Early View of Blind Pointing







And now – millimeters





International Laser Ranging Workshops



No.	Year	Location	No.	Year	Location
1 st	1973	Lagonissi, Greece	11 th	1998	Deggendorf, Ger.
2 nd	1975	Prague, Czech	12 th	2000	Matera, Italy
3 rd	1978	Lagonissi, Greece	13 th	2002	Washington DC, USA
4 th	1981	Austin TX, USA	14 th	2004	San Fernando, Spain
5 th	1984	Herstmonceux, UK	15 th	2006	Canberra, Australia
6 th	1986	Antibes, France	16 th	2008	Poznan, Poland
7 th	1989	Matera, Italy	17 th	2011	Bad Koetzing, Ger.
8 th	1992	Annapolis MD, USA	18 th	2013	Fujiyoshida, Japan
9 th	1994	Canberra, Australia	19 th	2014	Annapolis, MD
10 th	1996	Shanghai, China	20 th	2016	Potsdam, Germany

We are accepting offers for the 2018 Workshop



Special Events/Activities



- Ice Breaker on Monday Evening
- Working Group Meetings on Tuesday and Thursday Afternoons
- Trip to GSFC and GGAO on Wednesday and the Poster Session on Wednesday Evening
- Banquet on Thursday Evening
 - Keynote Speaker: Dr. Piers Sellers/NASA GSFC Deputy Director,
 Sciences and Exploration Directorate, NASA Astronaut
- Summary Session on Friday Morning
 - Summary from each Session
 - Summary from Each Working Group
- Station Clinics on Friday Afternoon
 - Focusing on Current Station Issues
 - Small Groups, Discussion



Workshop Success



- Short presentations and discussion
- Trade ideas for path forward
- Short oral (5 min) and written (1 -2 pages) reports at the closing session on Friday morning from each Session and each Working Group; focus on
 - Things are new and important
 - Issues that we need to address
- All Presentations, Session Reports, and Working Group Reports to be posted on the web
- Short written papers for the proceedings (Oral and Posters)
- Most of all Meet, talk, exchange ideas with others and enjoy.