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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Annapolis & The Chesapeake Bay

Cybioms

GuideTech
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.

October 27 - 31, 2014  19th International Workshop on Laser Ranging
Early View of Blind Pointing
And now – millimeters
# International Laser Ranging Workshops

<table>
<thead>
<tr>
<th>No.</th>
<th>Year</th>
<th>Location</th>
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<tbody>
<tr>
<td>1st</td>
<td>1973</td>
<td>Lagonissi, Greece</td>
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<tr>
<td>2nd</td>
<td>1975</td>
<td>Prague, Czech</td>
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<td>3rd</td>
<td>1978</td>
<td>Lagonissi, Greece</td>
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<td>4th</td>
<td>1981</td>
<td>Austin TX, USA</td>
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<td>5th</td>
<td>1984</td>
<td>Herstmonceux, UK</td>
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<td>6th</td>
<td>1986</td>
<td>Antibes, France</td>
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<td>7th</td>
<td>1989</td>
<td>Matera, Italy</td>
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<td>8th</td>
<td>1992</td>
<td>Annapolis MD, USA</td>
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<td>9th</td>
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<td>Shanghai, China</td>
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<td>11th</td>
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<td>Deggendorf, Ger.</td>
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<td>12th</td>
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<td>13th</td>
<td>2002</td>
<td>Washington DC, USA</td>
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<td>14th</td>
<td>2004</td>
<td>San Fernando, Spain</td>
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<td>15th</td>
<td>2006</td>
<td>Canberra, Australia</td>
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<td>16th</td>
<td>2008</td>
<td>Poznan, Poland</td>
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<td>17th</td>
<td>2011</td>
<td>Bad Koetzing, Ger.</td>
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<td>18th</td>
<td>2013</td>
<td>Fujiyoshida, Japan</td>
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<td>19th</td>
<td>2014</td>
<td>Annapolis, MD</td>
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<tr>
<td>20th</td>
<td>2016</td>
<td>Potsdam, Germany</td>
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We are accepting offers for the 2018 Workshop

October 27 - 31, 2014  19th International Workshop on Laser Ranging
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

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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.

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