



Contribution ID: 262

Type: **Oral Presentation**

## Applications of Space Geodesy in tests of general relativity

*Tuesday, 10 July 2012 15:30 (20 minutes)*

### Abstract content <br> &nbsp; (Max 300 words)

Several unique applications of Space Geodesy have been used to test general relativity during the last two decades. Satellite Laser Ranging, Lunar Laser Ranging and Geodetic Very Long Baseline Interferometry are the techniques employed; these techniques can be utilised to perform technique dependent tests. The different strategies, results and error budgets are evaluated. In terms of the development of the Global Geodetic Observing System, which will push observational equipment, strategies and modelling to achieve measurement accuracies of at least a factor of ten better than what is capable today, future scenarios of improved tests are sketched. It is possible that space geodesy will soon be one of the most sensitive techniques to test general relativity, especially in the slow motion, weak field limit.

### Apply to be<br> consider for a student <br> &nbsp; award (Yes / No)?

NO

### Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?

Yes

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**Session Classification:** Theoretical

**Track Classification:** Track G - Theoretical and Computational Physics