

Seminar

Friday, 19th November 2010

11 am - Room 701

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Federal Agency of Surveying and Mapping (BKG)
Technische Universitaet Muenchen (TUM)
University of Canterbury (UC)

Recent progress in Sagnac Interferometry

The G ring laser at the Geodetic Observatory in Wettzell was designed and constructed in a joint initiative between UC, TUM and BKG. The demanding goal was to develop this measurement concept to the point where it is contributing to Space Geodesy in the same way like the established techniques i.e. Satellite Laser Ranging (SLR), Very Long Baseline Interferometry (VLBI). Over the last year we have improved the system by almost one order of magnitude in sensitivity and by more than one order of magnitude in stability. In the process a number of geophysical phenomena became accessible to a Sagnac interferometer for the first time. This talk will outline the current status of Sagnac interferometry.

All Welcome

Contact Details

For further information phone 364 2404, or visit our website: www.phys.canterbury.ac.nz