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PROGRAM

HIGH PRECISION GRAVITY MEASUREMENTS with APPLICATION TO GEODYNAMICS and SECOND GGP WORKSHOP

Munsbach Castle (Grand Duchy of Luxembourg)
24-26 March 1999

FINAL SCIENTIFIC PROGRAM

Wednesday, 24 March 8:30 - 16:30

Topic 1 Detailed reports on status from each GGP station

8:30 Welcome by Organising Committee

8:50 D. Crossley
Report on the Status of GGP

9:20 H.T. Hsu, and H.P. Sun
Status and calibration of SG in Wuhan (China)

9:40 H.-J. Dittfeld
Final results of the SG registration in Potsdam

10:00 M. Harnisch, G. Harnisch, I. Nowak, B. Richter, and
P. Wolf
The dual sphere superconducting gravimeter C029 at
Frankfurt and Wettzell- First results and calibration

10:20 M. Harnisch, G. Harnisch, H. Jurczyk, and H. Wilmes
889 days of registration with the superconducting gravimeter
SG103 at Wettzell (Germany)

Coffee break

11:00 H Virtanen
Status report on Metsahovi station (Finland)

11:20 B. Meurers
1200 days SG-recording in Vienna (Austria)

11:40 J. Hinderer, and J.P. Boy
A two-year record of SG C026 in Strasbourg (France): first
results and comparison with the 3000 day record of SG T005
at the same station

12:00 J. Neumeyer
The new SG site Sutherland (South Africa)

lunch

13:30 S. Takemoto ,Y. Fukuda, T. Higahi, T. Sato and S.
Dwipa
SG observations in Bandung, Indonesia

13:50 T. Jahr and C. Kroner
The future SG station at the Geodynamic Observatory Moxa
(Germany)

14:10 T. van Dam , O. Francis
An update of the SG data of Boulder (Colorado)

14:30 Y. Imanishi
Present status of SGT011 at Matsushiro, Japan.

14.50 H.P. Plag
Present status of and future plans for Earth Tide observations
at NWA (Norwegian Mapping Authority)

[Topic 2 Treatment of gravity data - processing, filtering, and
decimation - Tidal processing- Calibration](#)

15:10 N. Florsch
On various aspects of non-linearities

15:30 S. Pagiatakis
GWR data treatment and analysis

15:50 M. Van Camp
Transfer function determination of the cryogenic gravimeter
CO21

16:10 J. Makinen, J. Hinderer, N. Florsch and M. Amalvict
Calibrations of SG T005 in Strasbourg 1989-1994 with
JILAG-5. Evidence for time changes in calibration factor?

coffee break

[Topic 3 GGP data bank](#)

16:40 B. Ritschel and O. Francis
The GGP-ISDC at ICET: Design, functions and first experiences

17:10 B. Ducarme and L. Vandercoilden
First results of the GGP data bank at ICET

[Topic 4 Guidelines for the authorship of papers using GGP data](#)

17:30 - open discussion.

Thursday 25 March, 8:30 - 18:30

[Topic 5 Review of scientific problems addressed by the GGP network](#)

8:30 R. Warburton (Invited Talk)
Remote operation of superconducting gravimeters

9:40 T. Sato ,Y. Fukuda and Y. Aoyama
On the annual gravity changes induced by SSH variability

10:00 D. Smylie and B. Bengert
A Global Phase Experiment : Stacking Superconducting Gravimeter Records for the Detection of the Translational Modes of the Inner Core

10:20 L. Mansinha
The 1999 solar eclipse project

coffee break

[Topic 6 Intercomparison of absolute and relative gravity measurements](#)

11:00 G. Casula , P. Baldi, J. Hinderer, M. Amalvict
The gravimetric station of Brasimone-Italy

11:20 J. Hinderer, M. Amalvict, J.P. Boy and E. Calais
Long-term gravity changes observed in Strasbourg (France)

lunch

14:00 T. Niebauer (Invited talk)
Recent advances in absolute and differential gravity

15:10 A. Lothhammer , B. Richter, Schwahn, W., P. Wolf ,
T. Baker, and G. Jeffries
Long-term increase of gravity at the Medicina station confirmed by absolute and superconducting gravimeter time series

15:30 M. Llubes
Ocean loading and crustal deformation in Bretagne (France): first results and future experiments

15:50 H. Virtanen
On the observed environmental effects at the Metsahovi station (Finland)

coffee break

16:50 Z. Zabek and A. Pachuta
Absolute measurements with Polish ballistic gravimeter

17:10 Arnautov, G, Ducarme, B., Kalish, E., Smirnov, M., Y. Stus, and V. Timofeev
Gravity variations at Novosibirsk region and Irkutsk region by GABL measurements

17:30 General discussion on GGP

Friday 26 March, 8:30 - 16:30

[Topic 7 High precision gravity applied to tectonic problems](#)

9:15 M. Diament (invited talk)
Application of absolute and relative gravity measurements to tectonics and volcanology

10:00 C. Gerstenecker and I. Suyanto
Gravity mapping on Mount Merapi and Merbabu, Indonesia

10:20 B. Snitil, C. Gerstenecker, G. Jentzsch, G. Laeuffer and A. Weise
Repetition Network on Mount Merapi

coffee break

11:00 C. Keyzers
Observing small gravity changes in the lower Rhine Embayment (Germany) by LCR-gravity meters

11:20 A. Elwahabi, H.J. Dittfeld, and Z. Simon
Meteorological influence on tidal gravimeter drift

11:40 C. Lazaro
Precise gravity measurements in the Azores Islands

12:00 P. Jousset
Volcanic activity as revealed by geodetic and microgravity observations at Mount Usu and Mount Komagatake (Hokkaido)

lunch

[Topic 8 G-Gramophone](#)

14:30 - open discussion

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