

FGS Workshop 2004
on
„Ringlaser Gyroscopes and Earth Rotation“

March 24-25, 2004: Höllenstein/Wetzell
(Draft Program: 18.03.2004)

Program:

Wednesday, March 24:

14:30 – 14:40 Welcome, Introduction to FGS, etc. Markus Rothacher

Session 1: Ringlaser Physics and Earth Rotation

14:40 – 15:10 Ringlaser Principles and Design Considerations Ulrich Schreiber
15:10 – 15:40 Monumentation and Environmental Effects Thomas Klügel
15:40 – 16:10 Error Sources and Modeling Alex Velikoseltsev

Break

16:40 – 17:10 Analysis of Ringlaser Data for Earth Rotation Markus Rothacher
17:10 – 17:30 The Sagnac Equation Manfred Schneider
17:30 – 17:50 Ring Lasers - Cashmere and Arkansas Robert Dunn
17:50 – 18:15 Rotational Motions in Seismology Heiner Igel

Dinner

Thursday, March 25:

Session 2: Oppolzer Terms and Subdaily Earth Rotation

09:00 – 09:30 Subdaily ERP Variations from VLBI (CONT'02 Campaign) Harald Schuh
09:30 – 10:00 Oppolzer Terms: a Review Nicole Capitaine
10:00 – 10:30 Forced Polar Motion of the Instantaneous Rotation Axis Aleksander Brzezinski

Break

11:00 – 11:30 Atmospheric and Oceanic Excitation of Subdaily Earth Orientation Variations Richard Gross
11:30 – 12:00 Short-period Variations in Earth Rotation and Geophysical Causes Benjamin Chao
12:00 – 12:30 Earth-Atmosphere Interaction at Sub-Diurnal Timescale and its Effect on Earth Rotation Olivier de Viron

Lunch

13:30 – 15:00 Final Discussion

A guided tour to the Wetzell Fundamental Station can be arranged after the workshop for those interested (after the final discussion).