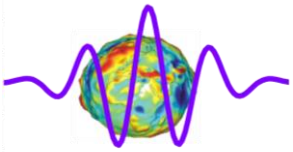
iSENSE Integrated Quantum Sensors



SEVENTH FRAMEWORK PROGRAMME

Geodesy with Inertial Quantum Sensors

Symposium and Workshop

June 9-12, 2012

Neues Rathaus Hannover, Gartensaal

Program Committee: K. Bongs and E.M. Rasel
Local Organization: E. Hünitzsch, K. Pfennig, M. Popp, A. Göldner-Pauer

June 9 th

17.00 Arrival and Welcome

19.00 Dinner at Gartensaal

June 10 th

09.00 Welcome

09.15 Keynotes: Geodesy I

J. Flury (Leibniz University Hannover)
Satellite based Gravimetry with GRACE and GRACE Follow-on

L. Timmen (Leibniz University Hannover)
Absolute Gravimetry

10.30 Coffee and Tea

11.00 Keynotes: Geodesy II

C. Champollion (University of Montpellier)
Field gravity measurements for geosciences applications: from mapping to temporal variations

U. Schreiber (Geodetic Observatory Wettzell)
Rotation Sensing with Lasers

12.30 Lunch at Gartensaal

14.00 Keynotes:
Inertial Quantum Sensors I

J. Hogan (Stanford University)
State-of-the-art in atom interferometry

F. Pereira dos Santos (CNRS, Paris)
The LNE-SYRTE atom gravimeter

15.30 Coffee and Tea

16.00 Keynotes:
Inertial Quantum Sensors II

B. Desruelle (µQuans, Bordeaux)
Transportable Atomic Gravimeter

K. Bongs (University of Birmingham)
iSense: Sensing gravity with guided atom interferometer

H. Ahlers (Leibniz University Hannover)
Chip based Quantum Gravimeter

19.00 Conference Dinner at Gartensaal

June 11 th

9.00 Workshop Talks

10.30 Coffee and Tea

11.00 Workshop Talks

12.30 Lunch at Gartensaal

14.00 Discussion Groups

15.30 Coffee and Tea

16.30 Lab-Tours @Geosciences

18.00 Social Evening

June 12 th

9.00 Workshop Talks

12.30 Lunch at Gartensaal

13.30 Lab-Tours @ IQ & QUEST

15.00 Departure

Info & Registration:
www.isense-gravimeter.eu