

Program 4th IWGoRS meeting 2016 in Tutzing

Monday, June 20

		Arrival
19:00 - 21:00		Icebreaker

Tuesday, June 21

09:00	Heiner Igel	Opening
<i>Topic: Portable Sensors</i>		
09:15	J. Evans	Portable sensors for rotational ground motion
10:00	F. Bernauer et al.	Testing a prototype broadband fiber-optic gyro
10:15	Y. Li et al.	A fiber optic gyroscope prototype with high bias stability for measurement in rotational seismology
10:30 - 11:00	COFFEE	
10:30	J.-P.R. Wells et al.	Rotation sensing with infrared lasers
10:45	J. Kozak & P. Jedlicka	New model of ring liquid sensor for ground rotational displacement recording
11:00	O. Barak	Acquiring seismic rotations with magnetometers
11:15	A. Velikoseltsev	Implementation of the high-accuracy variable rotation test bench: seismology options
11:30	A. Di Virgilo	How to push further the ringlaser sensitivity and accuracy
11:45	A. Kharlamov	New family of rotational electrochemical seismometers using magnetohydrodynamic technology
12:00 - 13:30	LUNCH	
<i>Topic: Laser / Interferometry</i>		
13:30	Ulrich Schreiber	Ring laser for geodesy and seismology
14:15	J. Zhang et al.	A large-scale passive laser gyroscope based on ultrastable lasers
14:30	N. Beverini	A seismic rotational observatory in Gran Sasso underground laboratories (GINGER Collaboration)
14:45	Discussion	
15:00 - 15:30	COFFEE	
15:30	Poster + open discussion (posters stay until end of meeting)	
19:00	DINNER	

Wednesday, June 22

09:00	J. Robertsson	New solutions to long-standing problems in seismic data acquisition and imaging
09:45	J. Brokesova, J. Malek, and J. Evans	Rotaphone-D - a new six-degree-of-freedom short-period seismic sensor: features, parameters, field recordings
10:00	Z. Li	Microseismic event localization using both wavefields and their spatial gradients
10:15	Discussion	
10:30 - 11:00	COFFEE	
<i>Topic: Array methods</i>		
10:30	W. Holt	Wavefield reconstruction
11:15	C. Schmelzbach	Seismic-wavefield gradient and rotational-rate measurements as new observables in seismic exploration
11:30	V. Graizer	Rotational ground motions as inferred from strong-motion downhole array observations
11:45	O. Barak	Wave-mode separation in the complex wavelet domain using combined translational and rotational data
12:00 - 13:30	LUNCH	
13:30	C. Lin et al.	A comparison of combining translation/rotation/strain and FK methods of estimating phase velocity at PFO, California

13:45	B.S. Huang et al.	Common analysis of ground rotation, dynamic strain and translation from near source large earthquakes and its possible implications
14:00	J. Belfi	Recent activity on the GINGERino ring laser gyroscope
14:15	Discussion	
15:00 - 15:30	COFFEE	
15:30	poster, frolicking in the garden, ...	
17:30	DINNER	
19:00 - 21:30	Boat trip on lake Starnberg	

Thursday, June 23

<i>Topic: Applications / Observations</i>		
09:00	T. Tanimoto	Seismic noise in rotation data
09:15	H. Igel	The ROMY project
09:30	L.R. Jaroszewicz et al.	Recording Rotational Motions at a New Set-up Uses Simulation of Earthquakes
09:45	H.C. Chiu & B.S. Huang	Rotation induced baseline drift in strong-motion records
10:00	K.P. Teisseyre et al.	Perspective of the Rotational Components Study Applied to Glaciology
10:15	Z. Zembaty et al.	Measuring rotational components of seismic ground motion induced by mine tremors in Silesian Coal Basin
10:30 - 11:00	COFFEE	
11:00	Podium discussion: Rotational seismology - Where do we go from here?	
12:00	LUNCH	
13:00	Departure	