

Venue (throughout the workshop): Camelot Room, Chateau-on-the-Park

Please note that the time allocated for each talk is a total of 40 minutes, for both presentation and questions. Speakers are advised to talk for no longer than approximately 30 minutes, to allow time for questions. There is an extra period of 10 minutes for supplementary questions and discussion at the end of each session.

Sunday 22 September

16:00-17:30

Registrations

17:00-19:00

"Icebreaker" - Finger food & drinks

Monday 23 September

08:50-09:00

Welcome, Opening of workshop

Prof J-P Wells, Prof H Igel, Prof K U Schreiber

Chair: Dr Joachim Wasserman

Presenter

Title

Author(s)

09:00-09:40

Prof Martha
Savage

Broadband Seismic Recordings after the 4 Sept 2010
M7.1 Darfield Earthquake: Seismicity, Velocity Structure
and Stress

Martha Savage, Rob Holt, Ellen Syracuse, John Townend,
Fan-Chi Lin, Clifford Thurber

09:40-10:20

Mr John
Holdaway

Canterbury ring laser observations of rotational ground
motions induced by Christchurch and teleseismic
earthquakes in 2010 and 2011

John Holdaway, Martha Savage, John Townend, Heiner
Igel, Jon-Paul Wells, Robert Hurst, Ulli Schreiber

10:20-10:30

Questions & discussion

10:30-10:50

Tea/Coffee

10:50-11:30

Dr Bor-Shouh
Huang

Seismic rotation of the 2011 Tohoku earthquake from
dense high-rate GPS observations in Taiwan

Bor-Shouh Huang, Long-Chen Kuo, Shuo-Ying Wei and
Chin-Jen Lin

11:30-12:10

Dr Johana
Brokesova

Six-degree-of-freedom Seismic Records in Epicentral
Regions of Shallow Microearthquakes

Johana Brokesova, Jiri Malek

12:10-12:20

Questions & discussion

12:20-13:20

Lunch

Chair: Prof Zbigniew Zembaty

Presenter

Title

Author(s)

13:20-14:00

Prof. Heiner Igel

Current state of weak motion rotational seismology using
ring laser observations

H Igel, U Schreiber, J Wassermann, C Hadziioannou

14:00-14:40

Ms Maria-
Fernanda Nader-
Nieto

Free Oscillations of the Earth: Mode Cross Coupling
Observations with a Rotation Sensor

M F Nader, H Igel, A M G Ferreira, D Al-Attar

14:40-14:50

Questions & discussion

14:50-15:30

Tea/Coffee, Poster session

15:30-16:10

Dr Hung-Chie
Chiu

Scaling Relationship of Rotational Motion Effects

Hung-Chie Chiu

16:10-16:50

Dr Jiri Malek

Rotational wavefield from an anhtropogenic S-wave
source

Jiri Malek, Johana Brokesova, Petr Kolinsky

16:50-end of day

Questions & discussion, announcements for Tuesday

19:00

Dinner (seated, inc. drinks)

Tuesday 24 September			
<i>Chair:</i> Dr Johana Brokesova	<i>Presenter</i>	<i>Title</i>	<i>Author(s)</i>
09:00-09:40	Dr Alexander Velikoseltsev	Calibration of Rotational Sensors for Application in Seismology	Alexander Velikoseltsev, Alexander Yankovsky, Alexander Boronachin, Anna Tkachenko
09:40-10:20	Prof Ulrich Schreiber	Recent Advances in High Resolution Rotation Sensing	Ulrich Schreiber, Andre Gebauer, Robert Hurst, Jon-Paul Wells
10:20-10:30		Questions & discussion	
10:30-10:50	<i>Tea/Coffee</i>		
10:50-11:30	Dr Andre Gebauer	Locally Wind Induced Rotational Motions in Large Ring Laser 'G'	A Gebauer, K U Schreiber, Th Klugel
11:30-12:10	Dr Jacopo Belfi	"G-Pisa" Ring Laser Gyroscope: Present and Future Activity	J Belfi, N Beverini, M Calamai, G Carelli, D Cuccato, A Di Virgilio, E Maccioni, A Ortolan, A Porzio, G Saccorotti, R Santagata, A Tartaglia
12:10-12:20		Questions & discussion	
12:20-13:20	<i>Lunch</i>		
13:20-14:00	Dr Robert Hurst, Prof Jon-Paul Wells	The Canterbury Ring Laser Project	Robert Hurst, Jon-Paul Wells, Ulrich Schreiber, Geoff Stedman
14:00-15:00	<i>Tea/Coffee , Poster session</i>		
15:00-end of day		Visit to University of Canterbury Ring Laser laboratory, PR-1 laser	
19:00	<i>Dinner (seated, inc. drinks)</i>		
Wednesday 25 September			
<i>Chair:</i> Dr Bor-Shouh Huang	<i>Presenter</i>	<i>Title</i>	<i>Author(s)</i>
09:00-09:40	Prof Zbigniew Zembaty	Application of Horizon HZ 100-100 Rotation Rate Sensors in Structural Damage Detection	Zbigniew Zembaty , Seweryn Kokot , Piotr Bobra
09:40-10:20	Prof. Leszek R. Jaroszewicz	Investigation of Building Rotational Motion using set of AFORSs (Autonomous Fibre-Optic Rotational Seismographs)	L R Jaroszewicz, Z Krajewski, M Matysik, J Kowalski
10:20-10:30		Questions & discussion	
10:30-10:50	<i>Tea/Coffee</i>		
10:50-11:30	Prof Zbigniew Zembaty	Eurocode 8 Estimation of Rotational Ground Motion Effects on the Bell Tower of Parma Cathedral	Andrea Rossi , Zbigniew Zembaty, Andrea Spagnoli
11:30-12:00		Questions, discussions, future plans etc	
12:30-13:30	<i>Lunch, End of workshop</i>		

Posters			
<i>(Posters will be displayed at both poster sessions)</i>			
	Z. Krajewski	Strain visible in seismograms for the start	K P Teisseyre, L R Jaroszewicz, Z Krajewski
	Dr Jerzy Kowalski	FOSREM - Fiber-Optic System for Rotational Events and/or Phenomena Monitoring	L R Jaroszewicz, J Kowalski, Z Krajewski
	Prof. Heiner Igel	Sensitivity Optimization for Multicomponent Seismic Observations	M Bernauer, A Fichtner, H Igel
	Joachim Wassermann	Toward a Two Station Approach for Microzonation: Using Vertical Rotation Rate for Estimating Love-Wave Dispersion	Alexander Wietek, Joachim Wassermann, Celine Hadziioannou, Heiner Igel
	Dr Petr Kolinsky	Comparative Measurements of Three-Component Seismic Rotation Rate from Proximate Blasts using Three Different Methods: Point Sensors vs Small-Aperture Arrays	Johana Brokesova, Petr Kolinsky, Jiri Malek
	Robert Abbott	RoMi: Refraction Microtremor Using Rotational Seismometers	Robert E. Abbott, Brandon L. Clark, Hunter A. Knox
	Dr Chin-Jen Lin	Calibration results of R-2 and FOG	Chin-Jen Lin, Chun-Chi Liu, John Evans, Charles Hutt, William H.K. Lee
	Dr Jianghui Geng	Recovering coseismic point tilts from collocated GPS and accelerometers	Jianghui Geng, Diego Melgar, Yehuda Bock, Elide Pantoli, José Restrepo