



21st International Geophysical
Conference & Exhibition

22-26 August 2010, Sydney Australia



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Airborne Gravity 2010 - Workshop Program
Crown Plaza Darling Harbour — Blackwattle Bay Room, Level 1
Sunday 22 August 2010

TIME	SPEAKER	AFFILIATION	TOPIC
First Session Chair: Bob Smith			
08:30	Bob Smith	Greenfields Geophysics	Welcome and introduction to the workshop
08:40	Dan Difrancesco	Lockheed Martin	The Gravity Quest
08:55	Luise Sander & Stephan Ferguson	Sander Geophysics Ltd	Advances in SGL AIRGrav acquisition and processing
09:10	Dan Olson	Canadian Micro Gravity Ltd	GT-1A and GT-2A
09:25	Mark Dransfield	Fugro Airborne Surveys	Airborne gravimetry and gravity gradiometry at Fugro Airborne Surveys
09:40	Colm Murphy	Bell Geospace	Recent developments with Air-FTG®
09:55	Gary Barnes & John Lumley	ARKeX Ltd	Noise analysis and reduction in full tensor gravity gradiometry data
10:10	Questions for all session speakers/ 10.20		
10:20	Morning tea and coffee		
Second Session Chair: Mark Dransfield			
10:40	Maria Anecchione, David Hatch, & Brian Main	Gedex Inc	The Gedex HD-AGG™
10:55	Frank Van Kann	UWA / Rio Tinto	Preparations for flight testing the VK1 gravity gradiometer
11:10	David Howard & Mark Grujic	GSWA & Monash University	The Kauring airborne gravity / airborne gravity gradiometer test site, Western Australia
11:30	Phil Tickle	Geoscience Australia	Technologies for mapping terrain elevation and the National Elevation Data Framework (NEDF)
11:45	David Hatch	On behalf of De Beers (now with Gedex)	The De Beers / Bell Geospace airship gravity gradiometer system
12:00	Questions for all session speakers and all morning speakers		
12:15	Lunch		

AFTERNOON PROGRAM

TIME	SPEAKER	AFFILIATION	TOPIC
Afternoon Chair: David Robson			
13:15	Elizabeth Baranyi, Luise Sander, & Rob Ellis	Geosoft and Sander Geophysics	A gravity case study of the Podolsky Deposit, Sudbury Basin
13:30	Hans-Jürgen Götze and Sabine Schmidt	Christian-Albrechts-Universität Kiel	IGMAS+ A new 3D Gravity, FTG and Magnetic Modeling Software
13:45	Yaoguo Li & Marco Braga	Colorado School of Mines & CVRD	FTG data processing and terrain corrections – case history from iron exploration in Brazil
14:00	Wayne Stasinowsky	Pitney Bowes Business Insight	The advantages of the full tensor over single component gravity interpretations
14:15	Des Fitzgerald	Intrepid Geophysics	Processing and modelling of airborne gravity and airborne gravity gradiometry using Intrepid and GeoModeller
14:30	Peter Fullagar & Glenn Pears	Fullagar Geophysics & Mira Geoscience	From gravity gradient to density gradient
14:45	Questions for all session speakers		
14:55	Afternoon tea and coffee		
15:15	Michael Zhdanov & Glenn Wilson	University of Utah & Technolmaging	3D imaging of subsurface structures using migration and regularized focusing inversion of gravity and gravity gradiometry data
15:30	Xiong Li	Fugro Gravity and Magnetic Services Inc.	A practical software tool for 3D gravity and magnetic modelling
15:45	Peter Kowalczyk	Geoscience BC project team	Acquisition and analysis of the 2007-2009 Geoscience BC airborne data
16:00	Will Featherstone	Curtin University of Technology	Satellite and airborne gravimetry: their role in geoid determination and some suggestions
16:15	Hans-Jürgen Götze & Rezene Mahatsente	Christian-Albrechts-Universität Kiel	GOCE gravity gradiometry - examples from the interpretation of the gravity field of the Central and South American active continental margin
16:30	Greg Walker	BHP Billiton	Using SolidEarth™ to enhance interpretation
16:45	Dan Difrancesco	Lockheed Martin	Panel discussion and summing up, including questions for speakers
17:30	Conference registration at Darling Harbour Convention Centre		
18:00	Conference Icebreaker at Darling Harbour Convention Centre		