

Annual Antarctic Conference 2009
 Wednesday 1 – Friday 3 July
 Owen G Glenn Building, University of Auckland

Day 1	Wednesday 1 July	
8.00 - 9.00	Registration for workshop participants and 'networking' over tea and coffee	
9.00 - 10.30	LGP Workshop	
10.30 - 11.00	Morning Tea	
11.00 - 12.30	APECS Workshop	
12.30 - 1.00	Lunch – Workshop participants only	
12.00 - 1.00	General Registration	
1.00 - 1.05	Welcome from Antarctica New Zealand	
	Lou Sanson	Chief Executive, Antarctica New Zealand
1.05 - 1.10	Welcoming Address	
	Professor Alan Lee	Acting Dean of Science, University Of Auckland
1.10 - 1.30	New Zealand Antarctic Programme New Directions	
	Rob Fenwick	Antarctica New Zealand Board Chair
1.30 - 2.15	Keynote: Understanding the Impacts of Human Activities on Antarctic Coastal Marine Environments: How Good at Stewardship Are We?	
	Martin Riddle	Australian Antarctic Division
2.15 - 2.40	Management of Complexity and Risk in High Risk Environments	
	Grant Avery	State Services Commission
2.40 - 3.05	INTRODUCTION OF POSTERS P1 – P29	
3.05 - 3.45	Poster session and afternoon tea	
	Theme: Climate Change	
	Chair: Ed Butler – Manager Science and Information, Antarctica New Zealand	
3.45 - 4.03	Past and Future Climate Variability in the Ross Sea Region	
	Nancy Bertler	Victoria University of Wellington and GNS Science
4.03 - 4.21	Last Major Retreat of Antarctic Ice Sheets Forced by Sea Level Rise and Ocean Warming	
	Andrew Mackintosh	Victoria University of Wellington
4.21 - 4.39	The Size of the West Antarctic Ice Sheet at the Last Glacial Maximum: New Constraints from the Darwin-Hatherton Glacial System in the Transantarctic Mountains	
	Bryan Storey	University of Canterbury
4.39 - 4.57	The West Antarctic Ice Sheet in a Warmer World	
	Tim Naish	Victoria University of Wellington
4.57- 5.15	Southern Ocean in a Warming World – Insights from the South-West Pacific	
	Lionel Carter	Victoria University of Wellington
5.15 -5.33	Drilling to Uncover the Evolution and Behaviour of the West Antarctic Ice Sheet in a High CO₂ World	
	Richard Levy	GNS Science
5.35 - 7.00	Icebreaker Function – Owen G Glenn Building Downstairs Foyer	

Day 2 Thursday 2 July

8.00 - 9.00 Poster viewing with tea and coffee

8.30 - 9.00 Registration

Themes: The Cryosphere and Marine Biodiversity

Chair: Clive Evans – School of Biological Sciences, University of Auckland

9.00 - 9.20 **Satellite Remote Sensing of the Polar Cryosphere in the Western Ross Sea Region**
Wolfgang Rack University of Canterbury

9.20 - 9.40 **Results from a Ground Penetrating Radar (GPR) Survey of the Darwin-Hatherton Glacial System, Antarctica**
Mette Riger-Kusk University of Canterbury

9.40 - 10.00 **Spatial and Temporal Variation in the Ecstatic Display Call of the Adélie Penguin**
Emma Marks University of Auckland

10.00 - 10.20 **Variation in Adélie Penguin (*Pygoscelis Adeliae*) Foraging Behaviour During Two Breeding Seasons at Cape Hallett, Ross Sea, Antarctica**
Phil Lyver Landcare Research Ltd

10.20 - 10.50 Morning tea

Themes: Marine Biodiversity and Ecosystems

Chair: Graham Fortune – Antarctica New Zealand Board Member

10.50 - 11.10 **Distribution, Abundance and Acoustic Properties of Antarctic Silverfish (*Pleuragramma Antarticum*) in the Ross Sea**
Richard O'Driscoll National Institute of Water and Atmospheric Research

11.10 - 11.30 **Ross Sea Near-Shore Benthic Ecosystems: Predicting Effects of Environmental Change**
Vonda Cummings National Institute of Water and Atmospheric Research

11.30 - 11.50 **Oxidative Damage and Antioxidant Defence in Antarctic Sea Urchin Embryos in Response to Enhanced UV-B During Ozone Depletion**
Kathryn Lister University of Otago

11.50 - 12.10 **Proximate Composition and Energy Density of Important Fish Species for Weddell Seals (*Leptonychotes Weddellii*) in the Ross Sea, Antarctica**
Crystal Lenky University of Canterbury

12.10 - 12.30 **Exceptional Sea Ice Microalgae: Exploring Physiological Adaptations**
Meghana Rajanahally Victoria University of Wellington

12.30 - 1.15 Lunch

Chair: Shane Lavery - School of Biological Sciences, University of Auckland

1.15 - 1.35 **Antarctica and Climate**
Peter Barrett Victoria University of Wellington

1.35 - 1.55 **Looking South Through a Textile Artist's Eyes**
Clare Plug 2006 Antarctic Arts Fellow

1.55 - 2.15 **A Review of Criteria for Rating the Success of a Century of Antarctic Science, from the Heroic Era to the IPY**
Andrew Atkin University of Canterbury

2.15 - 2.35 **Embedded in the Ice: Shaping Media Coverage of Antarctica**
Jim Tully University of Canterbury

2.35 - 3.00 INTRODUCTION OF POSTERS P30 – P59

3.00 - 3.40 Poster session and afternoon tea

Theme: Antarctica New Zealand

Chair: Rob Fenwick - Antarctica New Zealand Board Chair

3.40 - 3.55 **Lou Sanson** Chief Executive
3.55 - 4.05 **Iain Miller** Manager Antarctic Support
4.05 - 4.20 **Erik Barnes** Manager Antarctic Programme
4.20 - 4.40 **Neil Gilbert** Manager Environment
4.40 - 5.00 **Ed Butler** Manager Science and Information
5.00 - 5.15 *Question Time*
5.15 - 5.30 **Simon Trotter** Operations Planner

5.45 Bus for dinner participants from Owen G Glenn Building to Kelly Tarlton's Antarctic Encounter and Underwater World

6.15 - 7.30 Pre-dinner drinks for dinner registrants – Viewing of Kelly Tarlton's

7.30 Dinner at Kelly Tarlton's

Day 3 Friday 3 July

8.00 – 9.00 Poster viewing with tea and coffee

Themes: The Atmosphere and Ecosystem Functioning

Chair: Mary Sewell - School of Biological Sciences, University of Auckland

9.00 - 9.20 **Reducing Uncertainty in Projections of Antarctic Ozone Through the 21st Century Using IPY Measurements**
Petra Huck National Institute of Water and Atmospheric Research
9.20 - 9.40 **A "Woollen Aardvark" in Antarctica: Monitoring Particles from Space and Global Lightning from Arrival Heights**
Craig Rodger University of Otago
9.40 - 10.00 **Effects of Climatic Variability on Benthic Microbial Communities in Lake Hoare, McMurdo Dry Valleys**
Hilke Giles National Institute of Water and Atmospheric Research
10.00 - 10.20 **Doing Time on the Darwin Glacier: Results from K081B, 2008/09**
Jenny Webster-Brown University of Auckland

10.20 - 10.50 Morning tea

