

Annual Antarctic Conference 2004
Tuesday 13th to Thursday 15th April
S Block Lecture Theatre Complex, University of Waikato

Day 1 Tuesday 13th April

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| 12.30-1.00 | Registration | |
| 1.00-1.40 | Lou Sanson | Chief Executive, Antarctica New Zealand |
| 1.40-2.00 | <i>Opening Speaker</i> Kim Hill | Radio New Zealand |
| 2.00-3.00 | Julian Tangaere | Operations Manager, Antarctica New Zealand |
| 3.00-3.30 | Afternoon tea | |
| 3.30-3.50 | <i>Current Antarctic Policy Issues, a shuffle through the top of the in-tray</i> Trevor Hughes | Head of Antarctic Policy Unit, Ministry of Foreign Affairs & Trade |
| 3.50-4.10 | Neil Gilbert | Environmental Manager, Antarctica New Zealand |
| 4.10-4.30 | Emma Reid | Communications Manager, Antarctica New Zealand |
| 4.30-4.50 | Dean Peterson | Science Strategy Manager, Antarctica New Zealand |
| 4.50-5.00 | Shulamit Gordon | LGP Project Manager, Antarctica New Zealand |
| 5.00-6.30 | Cheese and wine icebreaker courtesy of Leighs Construction Academy of Performing Arts, University of Waikato | |

Day 2 **Wednesday 14th April**

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| 8.30-9.00 | Registration | With tea and coffee |
| | Chair: Dean Peterson, Science Strategy Manager, Antarctica New Zealand | |
| 9.00-9.05 | <i>Introduction</i> Dean Peterson | Antarctica New Zealand |
| 9.05-9.20 | <i>Welcome</i> Bryan Gould | University of Waikato Vice-Chancellor |
| 9.20-9.40 | <i>Science by Moonlight: Measurements of Stratospheric Trace Gases During the 2003 Winter</i> Rebecca Batchelor Sir Robin Irvine Postgraduate Research Scholar 2001/02 | University of Canterbury/NIWA |
| 9.40-10.00 | <i>Measuring the Antarctic Ionosphere</i> John Grant | University of Canterbury |
| 10.00-10.20 | <i>Land Information New Zealand's Strategy for Future Activities in Antarctica</i> Graeme Blick | Land Information New Zealand |
| 10.20-10.50 | Morning tea | |
| | Chair: Emma Reid, Communications Manager, Antarctica New Zealand | |
| 10.50-11.10 | <i>Exploring Visitor 'Experience' in the Ross Sea Region</i> Patrick Maher New Zealand Post Postgraduate Research Scholar 2003/04 | Lincoln University |
| 11.10-11.30 | <i>As Long As It's White: confronting the blank canvas</i> Grahame Sydney | Artist |
| 11.30-11.50 | <i>An Antarctic GIS for New Zealand</i> Michelle Finnemore | Gateway Antarctica, University of Canterbury |
| 11.50-12.10 | <i>Antarctic Heritage Trust Ross Sea Heritage Restoration Project</i> Nigel Watson | Antarctic Heritage Trust |
| 12.10-12.30 | <i>Huts, Hagglunds, Hats...Gloves, FUDs and Facts</i> Sharon Fergusson | TV3 |
| 12.30-1.30 | Lunch | |

Day 2 Continued

Chair: Ian Hawes, NIWA

- 1.30-1.50 *Dynamics and Change at the McMurdo Ice Shelf*
Wendy Lawson University of Canterbury
- 1.50-2.10 *Surface Energetics of Debris Covered Ice on the McMurdo Ice Shelf*
Penelope Clendon University of Canterbury
Sir Robin Irvine Postgraduate Research Scholar 2003/04
- 2.10-2.30 *K049 NZ: ITASE: Holocene Climate Variability Along the Victoria Land Coast*
Nancy Bertler Victoria University of Wellington
- 2.30-2.50 *K001W: Continued Geophysical Surveys in Support of ANDRILL Targets Beneath the McMurdo Ice Shelf*
Gary Wilson University of Otago
- 2.50- 3.10 *Under Ice Over Winter: K131 Winter 2003 Measurements of McMurdo Sound Sea Ice Growth and Oceanography*
Craig Purdie University of Otago
- 3.10-3.40 Afternoon tea
- Chair:** Megan Balks, School of Earth Sciences, University of Waikato
- 3.40-4.00 *Latitudinal Patterns in The Abundance of Ross Sea Meroplankton: Cape Hallett*
Mary Sewell University of Auckland
- 4.00-4.20 *Ecology and Biodiversity of Ross Sea Coastal Benthic Communities*
Vonda Cummings NIWA
- 4.20-4.40 *Salinity Effects on Sea Ice Algae*
Ken Ryan Victoria University of Wellington
- 4.40-5.00 *Vegetation at Cape Hallett – Change Over 42 Years*
Allan Green and Lars Brabyn University of Waikato
- 5.00 Close
- 6.30-7.30 Pre-dinner drinks for dinner registrants courtesy of **Opus International Consultants**
The Garden Terrace Restaurant, Hungerford Crescent, Hamilton Gardens, (07) 856-6581
- 7.30-11.00 **Dinner**
The Garden Terrace Restaurant

Day 3 Thursday 15th April

8.30-9.00

Tea and coffee

Chair: Simon Thrush, NIWA

9.00-9.20

BioRoss: Going Global

Jacqui Burgess

Ministry of Fisheries

9.20-9.40

Plants in the Dark: Photosynthetic Capacity of Marine Macroalgae Under Ice

Anne-Marie Schwarz

NIWA

9.40-10.00

Can Antarctic Fish Take the Heat? Warm-Acclimation of Sustained Swimming Performance in an Antarctic Notothenioid Fish

Cara Lowe

University of Canterbury

10.00-10.20

*Stock Assessment and Management of Antarctic Toothfish (*D. Mawson*) in the Ross Sea*

Kevin Sullivan

Ministry of Fisheries

10.20-10.40

Effects of Human Disturbance on Adelie Penguin Colonies

Nick Ling

University of Waikato

10.40-11.00

Morning tea

Chair: Richard Price, Dean of School of Science & Technology, University of Waikato

11.00-11.20

Provenance Analysis of the Sperm Bluff Conglomerate, Southern Victoria Land, Antarctica

Jeni Savage

University of Canterbury

11.20-11.40

Antarctic Dry Valley Lakes and Their Sediments

Chris Hendy

University of Waikato

11.40-12.00

Cellulase Enzyme Characterisation of Fungi Isolated From Structural Wood in the Cape Evans Historic Expedition Hut on Ross Island, Antarctica

Roberta Farrell and Shona Duncan

University of Waikato

12.00-12.20

Genetic Diversity of Collembola in Wright and Victoria Valleys, Southern Victoria Land

Angela McGaughran

University of Waikato

Kelly Tarlton's Postgraduate Research Scholar 2003/04

12.20-12.40

The Physical and Geochemical Properties of Meltwater Ponds During Seasonal Freeze and Thaw at Bratina Island, Upper Wright Valley and Victoria Valley, Antarctica

Kevin Brown

University of Auckland

12.40

Close