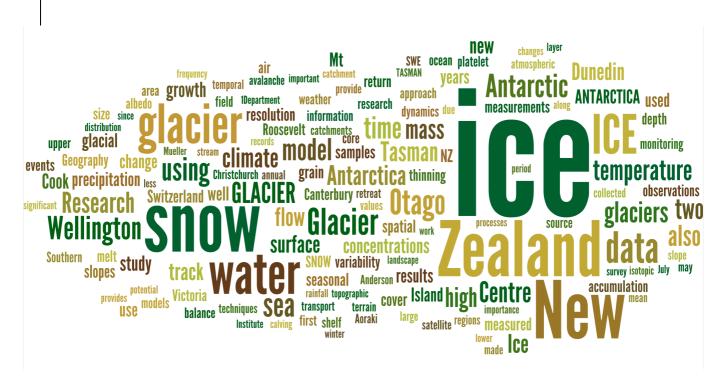
Snow and Ice Research Group, New Zealand

Annual Workshop
Unwin Lodge, Aoraki Mt Cook Village
July 2nd-July 4th 2014



Schedule

Co-sponsored by:



Welcome to SIRG2014. The following schedule outlines what promises to be a great two days of presentations. A complete programme including all abstracts can be found at www.sirgnz.wordpress.com.

Many thanks to this year's sponsors: NIWA, VUW's Antarctic Research Centre, and Meridian. Without their support the SIRG Workshop would not be possible. Thanks also to the International Glaciology Society for their ongoing support including this year's icebreaker.

Enjoy the following few days, and the inspiring surroundings.

Huw Horgan and Brian Anderson.

WEDNESDA	Υ	
12:00	LUNCH	
13:20	WELCOME	SESSION ONE
13:30	McColl, Sam	WHEN THE ICE GIVES WAY: DEFORMATION OF ICE-BUTTRESSED SLOPES
13:45	Bell, Jeremy	AVALANCHE RISK MITIGATION AND THE PERCEPTION OF HAZARDS
14:00	Anderson, Brian	MEASURING GROUND DEFORMATION FROM TIME-LAPSE PHOTOGRAPHY – EXAMPLES FROM FRANZ JOSEF AND FOX GLACIERS
14:15	Still, Holly	RESOLVING THE TEMPORAL AND SPATIAL VARIABILITY OF GLACIER SURFACE ALBEDO USING MODIS DATA
14:30	Short Introductions	
15:00	BREAK	SESSION TWO
15:30	Hulbe, Christina	AS YOU LIKE IT: MEASUREMENTS OF CHANGE ON ICE STREAMS D AND E, WEST ANTARCTICA
15:45	Dadic, Ruzica	HIGH-DEGREE SNOW METAMORPHISM IN THE ALAN HILLS, ANTARCTICA
16:00	Rack, Wolfgang	SATELLITE MELANGE: ICE DYNAMICS OF SKELTON GLACIER, ANTARCTICA
16:15	Jones, Richard	RAPID THINNING OF AN EAST ANTARCTIC OUTLET GLACIER DURING STABLE HOLOCENE CLIMATE
16:30	Goodsell, Becky	PSYCHOLOGY, GEOPOLITICS AND A TINY BIT OF SCIENCE; WINTERING-OVER AT SCOTT BASE, ANTARCTICA
17:00	IGS ICEBREAKER	Old Mountaineers Cafe - Aoraki Mt Cook
19:00	DINNER	

THURSDAY		SESSION THREE
9:00	Dykes, Robert	SEISMIC DETECTION AND ANALYSIS OF CALVING EVENTS AT
9.00	Dykes, Nobell	A WATER-TERMINATING GLACIER, TASMAN GLACIER
0:15	Horgon Hung	RAIN INDUCED UNSTABLE SLIDING – TASMAN GLACIER
9:15	Horgan, Huw	
9:30	Arese, Maura	TASMAN GLACIER: ANALYSIS OF A GLACIER THROUGH THE
0.45	0' 5 1	REMOTE SENSING
9:45	Sirguey, Pascal	THE GEODETIC MASS BALANCE OF THE NORTHERN ICEFIELD
		OF KILIMANJARO
10:00	BREAK	SESSION FOUR
10:30	Zammit, Christian	UPDATE ON NIWA SNOW AND ICE NETWORK AND SPICE
		EXPERIMENT
10:45	Jobst, Andreas	ROBUST TEMPERATURE AND PRECIPITATION FIELDS FOR
		THE UPPER CLUTHA
11:00	Kees, Lawrence	END OF SEASON SNOW CONTRIBUTION TO THE ORETI AND
		MARAROA CATCHMENTS
11:15	Frei, Prisco	A COMPARISON BETWEEN SNOW-RICH AND SNOW-POOR
		WINTERS
11:30	Zawar-Reza,	TOWARDS A COUPLED WEATHERSNOW COVER
	Peyman	FORECASTING SYSTEM FOR THE NEW ZEALAND SOUTHERN
		ALPS
11:45	TBC	
12:00	LUNCH	SESSION FIVE
13:30	Kungl, Akos	MEASURING OCEAN FRAZIL ICE WITH SONAR: SCATTERING
	-	OF SOUND FROM A SINGLE FRAZIL ICE CRYSTAL
13:45	Wongpan, Pat	SIMULATION OF THE CRYSTAL GROWTH OF PLATELET SEA
		ICE WITH DIFFUSIVE HEAT AND MASS TRANSFER
14:00	Neff, Peter	LANTHANIDE ELEMENT STUDIES OF AEROSOL PARTICLES IN
	•	AN ICE CORE FROM ROOSEVELT ISLAND, ANTARCTICA
14:15	Tuohy, Andrea	SUMMER STORMS AND HEAVY METAL VARIABILITY AT
		ROOSEVELT ISLAND, ANTARCTICA
14:30	Emanuelsson,	CLIMATE INFORMATION PRESERVED IN WATER STABLE
	Dan	ISOTOPES FROM A COASTAL WEST ANTARCTIC ICE CORE
	20	(ROOSEVELT ISLAND)
14:45		
15:00	BREAK	SESSION SIX
15:30	Lilly, Kat	MAPPING ICE MICROSTRUCTURE USING ELECTRON
	,	BACKSCATTER DIFFRACTION
15:45	Becroft, Leeza	GRAIN GROWTH KINETICS OF ICE FROM EXPERIMENTS
	,	USING SUPERFINE ICE
16:00	Welter, Jeff	SOLID LANDSCAPE MODELS IN THE TWENTY-FIRST CENTURY
		– A BALANCED APPROACH
16:15	Purdie, Heather	THE PHYSICAL AND SOCIAL IMPLICATIONS OF RAPID GLACIAL
	,	RETREAT: A CASE STUDY FROM FOX AND FRANZ JOSEF
		GLACIERS, SOUTH WESTLAND, NEW ZEALAND
16:30	Chinn, Trevor	WHEN DEAD ICE IS NOT STAGNANT
16:45	SIRG Discussion	
18:00	DINNER	
10.00	PUBLIC TALKS	
19:30	Anderson, Brian	WHAT'S HAPPENING TO OUR GLACIERS?
19:50	Sirguey, Pascal	AORAKI2013: THE SURVEY OF AORAKI/MT COOK
20:10	Morris, Jane	AORAKI ADVENTURES
POSTERS		TASMAN GLACIER: ANALYSIS OF A GLACIER THROUGH THE
FUSIERS	Arese, Maura	REMOTE SENSING
	Wu, Xiaolin	SEASONAL TRENDS OF PERSISTENT ORGANIC POLLUTANTS
	vvu, Alaulii	IN A GLACIAL LAKE IN NEW ZEALAND
ATTENDING	Pauling, Andrew	ICE SHELF BASAL MELTING IN A GLOBAL CLIMATE MODEL
ATTENDING	_	INTERDEPENDENCY OF SEA ICE AND ICE SHELVES
	Langhorne, Pat	INTERDEFENDENCT OF SEATOE AND ICE SHELVES
	Chandrakumar,	
	Nathanael	
	Ryan, Michelle	FOURIER DECONVOLUTION ON GPR DATA COLLECTED IN
		ANTARCTIC DRY SNOW AND SEA ICE ENVIRONMENTS
	Lui, Ed	SURFACE-FLOW VELOCITY AND ICE-FLOW DYNAMICS OF THE
		TASMAN GLACIER
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Snow and Ice Research Group



Public Talks Unwin Lodge, Aoraki Mt Cook Thursday July 3rd, 2014 7:30 pm - 8:30 pm

WHAT'S HAPPENING TO OUR GLACIERS?

Brian Anderson

Antarctic Research Centre, Victoria University of Wellington

AORAKI2013: THE SURVEY OF AORAKI/MT COOK

Pascal Sirguey

National School of Surveying, University of Otago

AORAKI ADVENTURES

Jane Morris

Alpine Guides - Aoraki Mt Cook

