






version 23Nov18


FRIDAY

FRIDAY MORNING

0845	welcome 5 mins							
0900	chair: Sarah Millicich							
0915	plenary 5 - Ken Gledhill - Enhanced Geohazards Monitoring 25 mins							
0930	plenary 6 - Nick Golledge - Sea level 25 mins end by 0940							
	Stream A - Ballroom		Stream B - Small Exhibition Hall		Stream C - BR2 (downstairs)		Stream D - BR1 (downstairs)	
0945	<div>A2: Hikurangi Margin Session Chair: Kate Clarke / Dan Bassett / Laure Wallace</div> <div></div>	A. Orpin CHARACTERISATION OF THE HOLOCENE TURBIDITE RECORD PRESERVED IN SEDIMENTARY DISTRIBUTARY CATCHMENTS ALONG THE TECTONICALLY ACTIVE SOUTHERN HIKURANGI MARGIN	<div>B2: Volcanism + magmatism in Zealandia Session chair: Geoff Kilgour</div> <div></div>	A.P. Bischoff CHARACTERIZATION OF A MIDDLE MIOCENE BURIED VOLCANIC FIELD IN THE CANTERBURY BASIN, EASTERN ZEALANDIA	<div>C3: Antarctica + NZ climate + processes Session chair: Joe Prebble / Helen Bostock</div> <div></div>	D. Lowry DEGLACIAL EVOLUTION OF REGIONAL ANTARCTIC CLIMATE AND SOUTHERN OCEAN CONDITIONS IN TRANSIENT CLIMATE SIMULATIONS	<div>D3: Jurassic Crises: 7th Symposium of IGCP 632 Session chair: Hamish Campbell</div>	V. Vajda JURASSIC EXTINCTION EVENTS AND SOME NEW DATES FROM NZ – COMPARISON BETWEEN THE VEGETATION SIGNALS OF SOUTHERN AND NORTHERN HEMISPHERES
1000		[WITHDRAWN: R.C. Lunenburg STACKED LATE HOLOCENE UPPER-SLOPE TURBIDITES IN THE TECTONICALLY ACTIVE TUAHENI CANYON, POVERTY BAY]		C. Uruski THE AOTEA SEAMOUNT		L. Eling CHANGING ROSS SEA CLIMATE ~ 8900 YEARS AGO – A REGIONAL OR CONTINENT WIDE SIGNAL?		N. Mortimer JURASSIC ZEALANDIA KEYNOTE
1015		C. Mueller LOCAL SOURCE PROBABILISTIC TSUNAMI INUNDATION HAZARD ASSESSMENT WITH MACHINE LEARNING SUPPORT		I. Park LONG-TERM EVOLUTION OF LOW FREQUENCY EARTHQUAKES AT NGAURUHOE VOLCANO		G. Gilmer POSTGLACIAL ENVIRONMENTS AT THE SUBANTARCTIC AUCKLAND ISLANDS, NEW ZEALAND		X. Rao MID-CRETACEOUS RUDIST ASSEMBLAGE FROM THE LHASA BLOCK, TIBET (CHINA)
1030		L.M. Wallace IODP BOREHOLE OBSERVATORIES TO MONITOR SLOW SLIP AT THE OFFSHORE HIKURANGI SUBDUCTION ZONE		J. Clarke EXPLORING LABORATORY SCALE, FLUID INDUCED VOLCANIC EARTHQUAKES		H.Bostock PALEO-PRODUCTIVITY IN THE SW PACIFIC OCEAN DURING THE EARLY HOLOCENE CLIMATIC OPTIMUM		Y. Pan DIAGENETIC PATHWAYS OF SPINICAUDATANS FROM THE YIXIAN FORMATION (LOWER CRETACEOUS) AND THE DAOHUGOU BEDS (UPPER JURASSIC) IN WESTERN LIAONING AND ADJACENT AREAS, CHINA KEYNOTE
1045	morning tea							
1100								
1115	A3: From faults to mantle Pilar Villamor / Susan Ellis	A. Niemeijer ASEISMIC TO SEISMIC TRANSITION AT THE BRITTLE TO DUCTILE TRANSITION: INSIGHTS FROM HYDROTHERMAL RING SHEAR EXPERIMENTS AND A MICROPHYSICAL MODEL KEYNOTE	magnetism in Zealandia session chair: Geoff Kilgour	E. Brosch TURBULENT OSCILLATIONS CONTROL HAZARD IMPACT IN PYROCLASTIC SURGES	C3: Antarctica + NZ climate + processes	J.D. Eccles ICE SHELF CRYOSEISMOLOGY	7th Symposium of IGCP 632 Session chair: Hamish Campbell	Y.Q. Wang NON-MARINE OSTRACOD FAUNA FROM THE DALAZI AND TONGFOSI FORMATIONS OF THE YANJI BASIN, NORTHEAST CHINA S. McLoughlin AUSTRALIAN JURASSIC FLORAS AND PLANT-INSECT INTERACTIONS

FRIDAY AFTERNOON

	1130	Session chair: S. Ellis “WEAK BUT STRONG”- INVESTIGATING HETEROGENEOUS AND TRANSIENT STRESS STATES IN NEW ZEALAND’S SHEAR ZONES	B2: Volcanism + Seafloor	E.C. Hughes TRACKING CO2 DEGASSING USING STABLE ISOTOPE FRACTION IN BASALTIC MAGMAS		D3: J	D.A.B.MacFarlan JURASSIC CRISES IN ZEALANDIA			
	1145			M. Ofman ARCHITECTURE AND STRUCTURAL EVOLUTION OF THE GLADE-DARRAN FAULT, FIORDLAND, NEW ZEALAND.	C4: Sea level Session chair: Richard Levy	A.J.H. Clement SEA-LEVEL IS NOT LEVEL: WORKING TOWARDS A BETTER UNDERSTANDING OF POST-GLACIAL RELATIVE SEA-LEVEL CHANGE AROUND NEW ZEALAND	D4: Sub-seafloor fluid flow Session chair: Jess Hillman / Ingo Pecher	J. Hoffmann POCKMARK FORMATION, MODIFICATION AND FLUID SEEPAGE ON THE CANTERBURY SHELF		
	1200			J. Simpson NON-CONTACT MEASUREMENTS OF THE ELASTIC PROPERTIES OF ROCKS UNDER IN SITU CONDITIONS	S.A. Mills INSIGHTS INTO THE LARGEST PLINIAN ERUPTION FROM TUHUA (MAYOR ISLAND) APPROXIMATELY 7,000 YEARS AGO.	G.R. Grant SEA LEVEL, POLAR ICE SHEET VARIABILITY AND CLIMATE FORCING: PRESENTING A NEW SEA LEVEL RECORD (3.3-1.7 MA)	P.A Oluwunmi POSSIBLE REVERSAL OF FLUID FLOW AT THE SEAFLOOR FOLLOWING GAS PRODUCTION FROM METHANE HYDRATES: NUMERICAL SIMULATION STUDIES.			
FRIDAY AFTERNOON	1215	LUNCH	LUNCH	12:20-12:40: Hamish Campbell: Paleontology SIG	LUNCH	LUNCH	12:20-13:10: Jonathan Hanson: GeoNet Data Usage – FDSN, tutorials and Big Data access			
	1230			12:50-13.10: Hamish Campbell: Fossil Record file						
	1245									
	1300									
	1315	A3: From faults to mantle Session chair: Pilar Villamor / Susan Ellis	B2: Volcanism + magmatism in Zealandia Session chair: Geoff Kilgour	A. Christophersen PROBABILISTIC ERUPTION FORECASTING WITH BAYESIAN NETWORKS AND EXPERT ELICITATION: A PILOT STUDY FOR WHAKAARI/ WHITE ISLAND	C4: Sea level Session chair: Richard Levy	D5: Geoscience Data for Everyone Session chair: Mark Rattenbury / Delia Strong / Virginia Toy	J.M. Lee CONVEYING GEOSCIENCE INFORMATION IN NEW ZEALAND URBAN AREAS			
	1330			L. Adam SEISMIC ANISOTROPY AND ITS IMPACT ON IMAGING THE ALPINE FAULT: AN EXPERIMENTAL AND MODELING PERSPECTIVE			Y. Behr INFERENCE OF HEAT AND STEAM INPUT INTO RUAPEHU CRATER LAKE FROM GEONET DATA	S.C. Cox TOWARDS UNDERSTANDING THE EFFECTS OF SEA-LEVEL RISE ON GROUNDWATER	R.D. Garlick ENERGY AND RESOURCE MARKETS KNOWLEDGE INVESTMENT ROADMAP – A PATHWAY TOWARD A NATIONAL GEOSCIENCE INFORMATION FRAMEWORK?	
	1345			R.L. Kellett IMAGING FAULT ZONES AND FRACTURED GREYWACKE USING BOREHOLE AND SURFACE GEOPHYSICS			J.D.L. White SURTSEY’S ERUPTION EXCAVATED A DIATREME >150 METRES INTO THE SEAFLOOR	T. Stern VERTICAL GPS, TECTONICS AND EFFECTIVE SEA-LEVEL RISE IN NEW ZEALAND	M.S. Rattenbury NATIONALLY SIGNIFICANT AND IMPORTANT GEOSCIENCE COLLECTIONS AND DATABASES	
	1400			S. de Vilder CONTROLS ON WEATHERING INDUCED STRENGTH DEGRADATION WITH IMPLICATIONS FOR BRITTLE ROCK SLOPE FAILURES	T. Dürig DEEP SUBMARINE ASH DEPOSITS: EXPLOSIVE ERUPTION, EXTREME QUENCH FRAGMENTATION, OR BOTH? FINGERPRINTS OF ASH-FORMING PROCESSES DURING THE ~1 KM-DEEP ERUPTION OF HAVRE, KERMADEC ARC KEYNOTE		D4: Sub-seafloor fluid flow Session chair: Jess Hillman / Ingo Pecher		V.G. Toy HOW USEFUL ARE YOUR DATA? APPLYING QUANTITATIVE MEASURES FROM INFORMATION THEORY TO EVALUATE INFORMATION CONTENT AND DATA RELATIONSHIPS	
	1415			B. Davy THE PAHAU/RAKAIA TERRANE BOUNDARY OF THE NORTHERN CHATHAM RISE AND IMPLICATIONS FOR THE 2016 KAIKOURA EARTHQUAKE SEQUENCE	A.P. Martin PETROGENETIC OVERVIEW OF THE EREBUS VOLCANIC PROVINCE, ANTARCTICA: RECENT DEVELOPMENTS				I. Pecher RESPONSE OF GAS HYDRATE SYSTEMS TO TECTONICS, SEDIMENTATION, AND FLUID FLOW – HIKURANGI MARGIN, NEW ZEALAND	T. Howe THE NEW ZEALAND GEOTECHNICAL DATABASE: A USER PARTICIPATION MODEL
	1430			U. Schattner INTEGRATED GROUND, MARINE AND AEROMAGNETIC STUDY OF THE KINNERET–KINAROT TECTONIC BASIN ALONG THE DEAD SEA TRANSFORM, NORTHERN ISRAEL	G.F. Zellmer MAGMA TRANSFER PROCESSES IN THE NE JAPAN ARC: INSIGHTS FROM VOLCANIC ERUPTION RECORDS COMBINED WITH CRUSTAL AMBIENT NOISE TOMOGRAPHY				K.F. Kroeger A NEW 3D MODEL OF PEGASUS BASIN PREDICTS GAS HYDRATE DISTRIBUTION ALONG THE HIKURANGI MARGIN	D.J.A. Barrell DUNEDIN URBAN GEOLOGICAL MAP
	1445			P. Villamor ARE THERE HIDDEN ACTIVE FAULTS UNDER DUNEDIN CITY?			J.I.T. Hillman CHARACTERISING FOCUSED FLUID FLOW AND SHALLOW HYDRATE FORMATION USING 2D SEISMIC DATA FROM THE SOUTHERN HIKURANGI MARGIN			

	1500	closing start 1505 chair: Joe Prebble sponsor acknowledgement, NZJGG student prizes, 2019 conference	
	1515		