

		41	S. Ellis INTERACTIONS BETWEEN MAGMA AND MECHANICS IN AN ACTIVE VOLCANIC RIFT- WHICH FACTORS PROMOTE TENSILE AND SHEAR FAILURE ABOVE AN EVOLVING SHALLOW MAGMA CHAMBER?
		42	S. Kósik HIDDEN BY “SUPER-ERUPTIONS”; TEMPORAL-VOLUMETRIC CHARACTERISTICS OF SMALL-VOLUME VOLCANISM OF THE TAUPO VOLCANIC ZONE (NEW ZEALAND)
		43	S. Suresh CAVE ARCHIVES OF THE MOST RECENT SUPERERUPTION ON EARTH
		44	S.J. Barker ASH DISPERSAL FROM FUTURE ERUPTIONS OF TAUPO SUPERVOLCANO
C1: Sedimentary basins + processes		45	A. Noda SANDBOX ANALOGUE EXPERIMENTS OF FOREARC BASIN FORMATION: INFLUENCE OF SEDIMENT INFLUX FLUCTUATIONS
		46	A.Park IMPROVING UNDERSTANDING OF RUATANIWHA BASIN GEOLOGY
		47	C. Guan THE FIRST REPORT OF PETROXESTES FROM WESTERN LIAONING, CHINA
		48	C. J. Rees HYDROGEOLOGY OF THE POUREWA STREAM SUB-CATCHMENT, LOWER NORTH ISLAND, NEW ZEALAND
		49	E. Gong MICRO-ONCOIDS FROM THE LOWER CRETACEOUS YIXIAN FORMATION IN WESTERN LIAONING, CHINA
		50	J.-K. Piekarski MIDDLE CENOZOIC UNCONFORMITIES OF WAIHAO VALLEY, SOUTH CANTERBURY BASIN
		51	K.E. Jones A 3D GEOLOGICAL MODEL FOR THE HERETAUNGA PLAINS, HAWKE’S BAY
		52	Y. Xie MIDDLE-LATE MESOZOIC SEDIMENTATION AND TECTONIC SETTING FROM SE CONTINENTAL MARGIN TO TAIWAN, EASTERN ASIA
C2: Zealandia: Our land + natural history		53	A.J.H. Clement LATE QUATERNARY GEOMORPHIC EVOLUTION OF THE MANAWATU VALLEY: A RAPIDLY-INFILLED INCISED-VALLEY ESTUARY, NORTH ISLAND, NEW ZEALAND
		54	B. Cathie AN IMPROVED UNDERSTANDING OF THE CENOZOIC EVOLUTION OF THE CAMPBELL PLATEAU USING SUB-BOTTOM PROFILE DATA
		55	I.J. Geary A DIVERSE ASSEMBLAGE OF PLIOCENE MOSS MACROFOSSILS FROM THE AUCKLAND REGION
		56	W. Stratford NORTHERN ZEALANDIAN CENOZOIC SEDIMENTATION AND DEFORMATION CONSTRAINTS FROM IODP VOYAGE 371
		57	Y. Shao MICROSTRUCTURES AND CPO'S EVOLUTION OF HARZBURGITE AND LHERZOLITE XENOLITHS IN SUBCONTINENTAL LITHOSPHERIC MANTLE BENEATH EAST OTAGO, NEW ZEALAND
		58	R. Cooper GRAPTOLITE EVOLUTION AND PALEOCLIMATE: HOW THE COURT JESTER MANIPULATES THE RED QUEEN
D1: Geopark		59	K. Németh WESTLAND RECORDING GEOHERITAGE OF A RIFTED GONDWANA MARGIN – A POTENTIAL UNESCO GLOBAL GEOPARK
		60	K. Pedley CREATING AN EARTH SCIENCE GARDEN
D2: Resilience to hazards		61	D. Johnston TOWARDS TSUNAMI-SAFER COMMUNITIES IN THE NEW ZEALAND: EVALUATING REAL EVENTS, EXERCISES, DRILLS AND AWARENESS PROGRAMMES
		62	D.T. Strong LIFE ON THE WELLINGTON FAULT: MANAGING GEOLOGICAL COLLECTIONS AND EARTHQUAKE RISK
		63	E. Gore LIVING WITH RIVERS. CASE STUDY: WAIHEMO AND WAIANAKARUA RIVERS, OTAGO
		64	R.L. Kellett INITIATIVES FOR MAPPING FAULTS IN URBAN CENTRES

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POSTER SESSION B - sponsor NIWA		
Posters for Session B may be hung between 10:45 Thursday - 13:15 Friday		
A2: Hikurangi Margin	1	B. Chow DETECTION OF TRIGGERED TREMOR AND ASSOCIATED SLOW SLIP IN NEW ZEALAND FROM TRANSIENT TELESEISMIC SURFACE WAVES
	2	D.H.N. Barker GEOPHYSICAL CONSTRAINTS ON THE RELATIONSHIP BETWEEN SEAMOUNT SUBDUCTION, SLOW SLIP AND TREMOR AT THE NORTH HIKURANGI SUBDUCTION ZONE, NEW ZEALAND
	3	H. Zhu QUANTIFYING THE MATAKAOA SUBMARINE SLUMP AND EVALUATING ITS TSUNAMI POTENTIAL
	4	K. Clark PROGRESS TOWARD A LOCALLY-DERIVED RADIOCARBON MARINE RESERVOIR CORRECTION ALONG THE HIKURANGI MARGIN AND IMPLICATIONS FOR COASTAL PALEOSEISMOLOGY.
	5	K. Woods A TIME DEPENDENT INVERSION OF GEODETIC DATA FOR SOUTHERN HIKURANGI SUBDUCTION ZONE SLIP FROM 2013 TO 2016
	6	K.M. Marsaglia SAND SOURCES AND ROUTING OPTIONS ALONG THE HIKURANGI MARGIN: USING MARGINS SOURCE-TO-SINK RESULTS FROM THE WAIPAOA SEDIMENTARY SYSTEM TO INTERPRET QUATERNARY FOREARC AND TRENCH SUCCESSIONS DRILLED ON IODP EXPEDITIONS 372 AND 375
	7	L. Dowling THE HIKURANGI MARGIN COASTAL RADIOCARBON AGE DATABASE
	8	L.J. Strachan SEDIMENTARY PROCESSES WITHIN THE HOLOCENE HIKURANGI CHANNEL
	9	M.H. Zal FLUID PRESSURE CHANGES SUGGESTED BY SEISMIC ANISOTROPY AND VP/Vs CHANGES MEASURED ON OCEAN BOTTOM SEISMOMETERS DURING THE SEPTEMBER 2014 SLOW SLIP EVENT OFFSHORE GISBORNE
	10	N. Xie THE EFFECTS OF STRUCTURAL NETWORKS ON FLUID TRANSPORT WITHIN THE HIKURANGI SUBDUCTION SYSTEM
	11	P. Herath CRUSTAL AND UPPER MANTLE STRUCTURE OF SOUTHERN HIKURANGI MARGIN FROM ONSHORE-OFFSHORE ACTIVE-SOURCE SEISMIC DATA
	12	R. Arai RESOLVING FINE-SCALE VELOCITY STRUCTURE OF THE PLATE BOUNDARY IN THE NORTHERN HIKURANGI MARGIN FROM THE NZ3D OBS SURVEY
	13	S. Davidson CONJUGATE STRIKE SLIP FAULTING ASSOCIATED WITH SEAMOUNT SUBDUCTION AT THE HIKURANGI MARGIN DEFORMATION FRONT, NEW ZEALAND
	14	S. Henrys ALONG-STRIKE VARIATIONS IN THE HIKURANGI SUBDUCTION ZONE: LAND-BASED SEISMIC OBSERVATIONS DURING THE 2017-2018 SHIRE SEISMIC ONSHORE-OFFSHORE IMAGING PROJECT
	15	T.A. Stern CRUST AND MANTLE STRUTURE OF THE HIKURANGI PLATEAU: IMPLICATIONS OF HIGH UPPER MANTLE WAVE-SPEEDS FOR FABRIC CREATED BY FLOW IN THE HEAD OF A SUPERPLUME
	16	W. Wang STUDIES OF SEISMIC VELOCITY STRUCTURE IN SUBDUCTION ZONE FROM CONTINUOUS OBS DATA
mantle	17	D.J.A. Barrell KAIKŌURA EARTHQUAKE: HUNDALEE FAULT PALEOSEISMOLOGY
	18	E. K. Todd CHARACTERISING SEISMICITY IN A LOW-SEISMICITY REGION AROUND DUNEDIN, NEW ZEALAND
	19	E.J. Watson USING PALEOMAGNETISM TO TEST ROLLING HINGE BEHAVIOUR OF AN ACTIVE LOW-ANGLE NORMAL FAULT, SUCKLING-DAYMAN MCC, PAPUA NEW GUINEA
	20	F. Cappuccio EXAMINATION OF THE RELATIONSHIPS BETWEEN FRACTURES AND MINERALOGICAL VARIATION IN DFDP CORES FROM CT AND HYLOGGER DATASETS.

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POSTER SESSION B

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		22	J. Sintenie AN ABANDONED RIFT, A SINKING UNDERPLATE AND A SLIPPERY DECOLLEMENT: THE ALPINE FAULT PACEMAKER AND POSSIBLE TRIGGER MECHANISM?
		23	K. Michailos VARIATIONS IN TECTONIC STRESS REVEALED BY A DECADE OF RELOCATED EARTHQUAKE CATALOGUE FROM THE CENTRAL ALPINE FAULT, NEW ZEALAND
		24	L.Y. Zhou SYN-DUCTILE SHEAR MAGMATIC FLOW TRIGGERED ON THE TRANSCURRENT MOTION OF THE WEST PACIFIC PLATE
		25	R.C. Pickle ACTIVE STRUCTURE IN THE NORTHERN NORTH ISLAND INTERPRETED FROM GNSS GEODESY
		26	S. Woelz INVERSION OF SEISMIC DATA TO MAP OFFSHORE GROUNDWATER AQUIFERS, SOUTH CANTERBURY BIGHT
	B3: New Zealand geochemistry	27	A. Davidson UTILIZATION OF GEOCHEMICAL TECHNIQUES TO UNDERSTAND THE LONG-TERM WEATHERABILITY OF RECYCLED ROAD AGGREGATE
		28	A.P. Martin PATTERNS IN TRANSFORMED PATHFINDER ELEMENTS IN SOIL RELATED TO OROGENIC-STYLE MINERALISATION
		29	D.A. Coulthard SYNTHESIS OF SPINEL SERIES MINERALS IN THE PRESENCE OF D2O: EXPERIMENTAL STRATEGY TO ASSESS THE PARTITIONING BEHAVIOUR OF WATER BETWEEN MELT AND NOMINALLY ANHYDROUS SPINEL-STRUCTURED OXIDES
		30	E. Raines PATHWAYS FOR ATMOSPHERIC CO2 INTO CHEMICAL WEATHERING PROCESSES
		31	G. E. Frontin-Rollet ECOTOXICITY TESTING IN THE MARINE ENVIRONMENT: A NEW SEDIMENT LEACHING COLUMN APPARATUS.
		32	G.F. Zellmer TOWARDS ION MICROPROBE ANALYSIS OF WATER IN SPINELS: DENSITY DEPENDENCE OF THE RELATIVE SENSITIVITY FACTOR (RSF) OF DEUTERIUM IN SPINELS
		33	J.L. Hopkins GEOCHEMICAL RELATIONSHIPS OF COUPLED ERUPTIONS IN THE AUCKLAND VOLCANIC FIELD
		34	M.C. Palmer USING THE GEOCHEMICAL SIGNATURES OF SCHEELITE AS A TOOL FOR DETERMINING THE PROVENANCE OF ITS CONSTITUENT METALS AND MINERALISING FLUIDS
		35	M.R. Handler TRACE METALS IN CRUSTACEA: BIOMONITORING OF THE MARINE ENVIRONMENT
		36	R.Newman IGNEOUS CARBONATES IN THE CANTERBURY AND TARANAKI BASINS
		37	S.M. Junior DEEP-EARTH GOLD; EXPLORING AU IN NEW ZEALAND PERIDOTITES
	C3: Antarctica + NZ climate + processes	38	C. Bevins NATURAL AND HUMAN ENVIRONMENTAL IMPACT FROM LAKE HOROWHENUA
		39	G. Duke PLIOCENE-PLEISTOCENE PALEOPRODUCTIVITY ON THE WILKES LAND MARGIN, ANTARCTICA
		40	G. Gilmer EARLY HOLOCENE OCEAN AND ATMOSPHERE INTERACTION IN MOUBRAY BAY, ANTARCTICA
		41	J.G. Prebble A NOVEL MULTI-CENTURY ARCHIVE OF TREE MAST USING POLLEN FROM LAKE SEDIMENTS
		42	K. Holt APPLYING DEEP LEARNING CONVOLUTIONAL NEURAL NETWORKS FOR IMPROVED AUTOMATED CLASSIFICATION OF POLLEN
		43	M. Norris RADIOCARBON PRETREATMENT OF SMALL TERRESTRIAL MACROFOSSILS
		44	N.A. Turton ICE SHEET & SOUTHERN OCEAN RESPONSE TO ORBITAL FORCING DURING EARLY PLIOCENE WARMTH FROM IODP SITE U1361A, WILKES LAND, EAST ANTARCTICA
		45	O.W. Rees SEISMIC CHARACTERISATION OF OTAGO HARBOUR SEDIMENTS TIED TO A CARBON-DATED CORE RECORD
		46	WITHDRAWN: R. Tinkler LONG LATE QUATERNARY RECORD OF VEGETATION AND TEMPERATURE CHANGE FROM ELTHAM SWAMP, TARANAKI
		47	R.F. Pretty ICE DYNAMICS AND OCEAN PRODUCTIVITY DURING THE LATE MIOCENE OFFSHORE WILKES LAND, EAST ANTARCTICA
		48	S. Hornblow LATE OTIRAN GLACIAL ADVANCE TIMING FROM WAIMAKARIRI OUTWASH GRAVEL AGES
		49	S.C. Cox THE GEOMAP DATASET OF ANTARCTIC ROCK EXPOSURES
		50	S.J. Watson SUBMARINE GLACIAL LANDFORMS AND INTERACTIONS WITH VOLCANISM AROUND SUB-ANTARCTIC HEARD AND MCDONALD ISLANDS
		51	T. van Woerden LGM GLACIAL HISTORY IN THE UPPER SHOTOVER GORGE
	C4: Sea level	52	C. Macklin FINITE-ELEMENT MODELLING OF HAUPAPA/TASMAN GLACIER’S BASAL SLIDING EVENTS
		53	R. Levy TE TAI PARI O AOTEAROA - NZ SEA RISE PROGRAMME
		54	S. Clar LARGE-AMPLITUDE INTERNAL SOLITARY WAVES ON THE SOUTH ISLAND’S CONTINENTAL MARGIN
	D3: Jurassic Crises	55	A.M. Clement WHAT’S SIZE GOT TO DO WITH IT?: NEW ZEALAND’S UNIQUE BIVALVE-BRACHIOPOD MARINE ECOSYSTEM IN THE LATE TRIASSIC
		56	R.S. Hori TRIASSIC-JURASSIC BOUNDARY STUDIES ON MURIHIKU AND WAIPAPA TERRANES, NZ
	D4: Sub seafloor fluid	57	D. Fougere FINITE-DIFFERENCE MODELLING OF GAS HYDRATE DEPOSITS IN THE URUTI BASIN ON THE HIKURANGI ACCRETIONARY MARGIN, NEW ZEALAND
		58	F. Turco GEOPHYSICAL CHARACTERISATION OF GAS HYDRATE SYSTEMS ON NEW ZEALAND’S SOUTHERN HIKURANGI SUBDUCTION MARGIN
		59	G. Crutchley HYDEE VOYAGE I: FIRST RESULTS OF A GAS HYDRATE RESEARCH VOYAGE ABOARD RV TANGAROA, SEPTEMBER 2018
	D5: Geoscience	60	D.T. Strong BECK INTERNATIONAL JADE RESEARCH COLLECTION
		61	D.T. Strong HAZARDOUS MATERIALS IN GEOLOGICAL COLLECTIONS
		62	M.S. Rattenbury NEW GEOLOGICAL MAPS AND GEOLOGICAL DATA PRODUCTS
		63	P. Denys SBAS: SATELLITE BASED AUGMENTATION SYSTEM AN EMERGING TECHNIQUE FOR GEOSCIENTISTS?
		64	R. Morgenstern REACTIVATING THE NEW ZEALAND ACTIVE FAULTS DATABASE

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