


RSES StuCon17 - Wednesday 12 April - J1 Seminar Room

Welcome 9.30-9.40

Nano Session 9.40-11.00

<i>ECR Keynote</i>	<i>Dr. Oscar Branson</i>
Bethany Ellis	Unravelling the history of the Indian Ocean Dipole
Rick Skelton	Something from nothing: vacancy lubrication of dislocation glide
Patrick Goodarzi	
Suzette Timmerman	Noble gases in diamonds
Bei Chen	Incredible detrital zircon
Ilya Bobrovskiy	Taking a piece out of Ediacaran organisms

Micro Session 11.30-1.00

<i>ECR keynote</i>	<i>Dr. Antony Burnham</i>
Sarah Andrew	Phyto(plankton) Club: The winners and losers of climate change
Louise Schoneveld	Diffusion in Plagioclase
Laura Miller	The redox state of pre-shield stage magmas at Hawaii
Marcus Haynes	The heat production of rocks
Mainak Mondal	Melting under sloping ice-shelves
Zsanett Pintér	The composition of melts in the incipient melt regime
Taimoor Sohail	A turbulence-resolving model of Southern Ocean circulation
Morgan Williams	Tracing Deep Subduction Fluids: Insights from Ultra-High Pressure Metasedimentary Garnets
Laura Crisp	Using Ce ⁴⁺ /Ce ³⁺ ratios in zircon as a proxy for porphyry-Cu magma fertility

Macro Session 2.00-3.30

<i>ECR keynote</i>	<i>Dr. Caroline Eakin</i>
Chris Renggli	Volcanic gas, how it reacts with rocks
Marcus Haynes	The intrinsic uncertainty of industrial borehole temperature measurements
Chris Mathews	Near-Surface Characterization from Dispersion Analysis of Love and Rayleigh Waves
Matt Valetich	Recalculating boninitic melt inclusion compositions from Chi-chi jima, Japan: The role of post entrapment crystallisation
Paige Martin	Who would win in a (climate) fight: the ocean or the atmosphere?
Abdulwaheed Ògúnsàmi	Frequency-dependent seismic wave speeds and attenuation: A Laboratory Study of Carbonate Reservoir Rocks
Thanh Son Pham	The Antarctic ice thickness and V _p /V _s ratio by P-wave coda autocorrelation
Jess Amies	Reconstructing conditions during Mediterranean anoxic events

Mega Session 4.00-5.00

<i>ECR keynote</i>	<i>Assoc. Prof. Meghan Miller</i>
Kate Mathison	Road-Kill: more interesting than it sounds
Jen Wurtzel	Sailing for Science: Highlights from IODP Expedition 363
Joelle Ducommun	Role of the altered oceanic crust in volatile cycling and recycling: the Oman ophiolite.
Mimi Chen	When atmospheric S meets hydrothermal S before the rise in atmospheric O ₂
Tiah Penny	Mediterranean sea-level reconstruction over the last 0.7Ma.
Jo Stephenson	Something about neighborhoods and the core