



* 14th Annual **DEVORA** Research Forum *
DEtermining VOLcanic Risk in Auckland
 Wednesday, 27 October 2021

Held via Zoom @ all Alert Levels

Programme

9:30 – 9:45	<i>Karakia & Forum Introduction by DEVORA Programme Leaders and Management</i>
Session I: Understanding Auckland's Subsurface	
9:45 – 10:00	Dr Kasper van Wijk (UoA) – <i>From Ambient Noise to Earthquakes: An Overview of Seismic Subsurface Characterization of the Auckland Volcanic Field (AVF)</i>
10:00 – 10:15	Alutsyah Luthfian (UoA PhD) – <i>Insight into the Subsurface Structure of Rangitoto from Modelling the Gravity and Magnetic Anomaly</i>
10:15 – 10:40	Bonus Break/Discussion Session 10:15 - 10:30; Pop Up Presentations: Session I (See Back of Page)
10:40 – 11:10	Morning Tea
Session II: Understanding Auckland's Volcanic Hazards	
11:10 – 11:25	Prof James White (Otago) – <i>Repeated Fountaining, Crater Excavation and Vent Shifting During Early Phases of the Maar-Forming Ubehebe Eruption, Death Valley, California</i>
11:25 – 11:40	Elaine Smid (UoA PhD) – <i>It's a Gas: Estimating Volatiles in Auckland Magmas from Source to Surface</i>
11:40 – 12:00	Pop Up Presentations: Session II (See Back of Page)
12:00 – 1:00	Lunch
Session III: Preparing for Future Eruptions, Part I	
1:00 – 1:15	Dr Graham Leonard (GNS) & Prof Tom Wilson (UC) – <i>Overview of the National Volcanic Hazard and Risk Model</i>
1:15 – 1:30	Shaurya Sood (UC PhD) – <i>Geotechnical and Geochemical Characterization of Compacted Air-Fall Tephra (or Volcanic Soils) for Land Reclamation Purposes</i>
1:30 – 1:45	Holly Faulkner (UC PhD) – <i>Legal/Governance Structures of New Zealand's Disaster Law Using the AVF as a Case Study</i>
1:45 – 2:10	Pop Up Presentations: Session III (See Below)

2:10 – 2:45	Afternoon Tea
Session IV: Preparing for Future Eruptions, Part II	
2:45 – 3:00	Alec Wild (UoA PhD) – <i>Short-Term Eruption Forecasting in the AVF</i>
3:00 – 3:15	Taipu Haunui-Tawhiao (AEM) & Prof Jan Lindsay (UoA) – <i>Pūrākau & Pakiwaitara - Another View of the Auckland Volcanic Field</i>
3:15 – 4:30	Wrap-Up Discussion (Moderated by Dr Graham Leonard) & Forum Close

Session I: Pop Up Presentations: Understanding Auckland's Subsurface

Presenter	Title
Dr James Muirhead (UoA)	<i>Summary and Update of the Structural Database for the Greater Auckland Region</i>
Dr Dominic Strogon (GNS)	<i>Final Outputs for the South Auckland 3D Subsurface Model</i>

Session II: Pop Up Presentations: Understanding Auckland's Volcanic Hazards - Gas & Ash Special Session

Presenter	Title
Siena Brody-Heine (UC MSc)	<i>Atmospheric Dispersion Modeling of Sulfur Dioxide Using the AVF as a Case Study</i>
Dr Ingrid Ukstins (UoA)	<i>Volatiles in Nominally Anhydrous Mantle Olivine from the Auckland Volcanic Field</i>
Dr Carol Stewart (Massey)	<i>DEVORA-Related Updates: AVF Gas Fact Sheet & Crisis Management Resources from the Soufriere St Vincent Eruption</i>
Dr Jenni Hopkins (VUW)	<i>TephraNZ - Updates and Future Work</i>

Session III: Pop Up Presentations

Presenter	Title
Dr Sophia Tsang (UoA)	<i>Simulating Future Auckland Volcanic Field Lava Flows</i>
DEVORA Management Team	<i>DEVORA Announcements [10 minutes]</i>
DEVORA Stakeholder Highlight Opportunity	<i>Open Slot: Announcements, Research Needs, Collaboration Ideas, New Work or Programmes on the AVF from Our Stakeholders [10 minutes]</i>