

CALBUCCO ROOM - SYMPOSIUM III

FRIDAY 25 - BLOCK X - SESSION 3.8			
CHAIRS Sylvain Charbonnier - Eliza Calder			
HOUR	TIME	ABSTRACT TITLE	AUTHOR(S)
09:00 - 11:30	09:00 - 09:15	Entrainment in dilute pyroclastic density currents	Benjamin Andrews, Kristen Fauria, Mary Benage, Michael Manga
	09:15 - 09:30	Laboratory experiments highlight the internal structure and dynamics of volcanic granular flows	Roberto Sulpizio ¹ , Damiano Sarocchi ² , Pierfrancesco Dellino ¹ , Luis Angel Rodriguez-Sedano ² , Bernardino
	09:30 - 09:45	Dynamics of the pyroclastic density current formed during the 1902 eruption of La Soufriere, St Vincent, West Indies from analysis of the photographic archive	Paul D Cole
	09:45 - 10:00	Investigating topographic effects on block-and-ash flow dynamics and hazards	Macorps, E., Charbonnier, S. J.
	10:00 - 10:15	Five years of lahar monitoring at Volcán de Colima, México: outcomes and perspectives	Rosario Vázquez, Lucia Capra
	10:15 - 10:30	The kinematics of lahars generated during the eruption of Villarrica volcano on March 3, 2015	Jose Luis Palma(1), Jeffrey B. Johnson(2), Oscar Valderrama(3), Nayaret Flores(1), Edio Mardones(1), Franco Vera(1)
	10:30 - 10:45	Initiation mechanisms for rain-triggered lahars: Timescales, susceptibility and hazard modelling	Stuart Mead and Christina Magill
	10:45 - 11:00	A model of lahars for hazard assessment	M.J. Woodhouse [1,2], C.G. Johnson [3], A.J. Hogg [2], J.C. Phillips [1], Pedro A. Espín Bedón [4], S. Almeida [4], D.
	11:00 - 11:15	The influence of rheology on the interaction of lava flows with obstacles	Einat Lev, Hannah Dietterich, Elise Rumpf
	11:15 - 11:30	Application of Computational Fluid Dynamic to Numerical Simulation of Lava Flow using Open-Source Code	Kyukwan Hwang ¹ , Sungsu Lee ² , Joo Yong Lee ¹ and Waon Ho Yi ³

COFFEE BREAK

12:30-13:00 S3.8 Eliza Calder, " Advances in volcanology through recent eruptions and research in Chile; a focus on mass flows."

LUNCH

FRIDAY 25 - BLOCK XI - SESSION 3.9			
CHAIRS Alessandro Bonforte - Nicolas Fournier			
HOUR	TIME	ABSTRACT TITLE	AUTHOR(S)
14:30 - 16:00	14:30 - 14:45	Unrest activity at Piton de La Fournaise volcano (La Reunion Island) inferred by soil CO ₂ flux variations along an active tectonic structure	G. BOUDOIRE (1,2), M. LIUZZO (3), A. DI MURO (2,4), A. AIUPPA (3,5), A. FINIZOLA (1,4), V. FERRAZZINI (2,4), A. PELTIER
	14:45 - 15:00	Active tectonics and volcanism along the Southern Andes: bridging scales in time and space	Andrés Tassara, Vicente Yáñez, Francisco García, Camila Novoa, Paulina Kohler, Felipe Rodriguez, Angela Medrano,
	15:00 - 15:15	Evidence for present day magma – fault interaction from microgravity changes at Laguna del Maule volcanic field	Craig A. Miller (ab), Gilda Currenti (c) , Helene Le Mevel (d), Glyn Williams-Jones (a), Basil Tikoff (e)
	15:15 - 15:30	Repeated volcanic unrests at Fogo (Agua de Pau) volcano, Azores, revealed by continuous and campaign GPS analysis	Jun Okada (1), João Araújo (2,3), Alessandro Bonforte (4), Francesco Guglielmino (4), Freysteinn Sigmundsson
	15:30 - 15:45	Shallow subsurface controls on volcanic eruption fluid dynamics	Carolyn Parcheta, Aaron Parness, Jeremy Nash, Karl Mitchell
	15:45 - 16:00	Crustal controls on the frequency and magnitude of volcanic eruptions	Tom Sheldrake; Adam Curry; Line Probst; Gregor Weber; Luca Caricchi

COFFEE BREAK

16:15-17:30

PLENARY TALK: CHRISTOPHER NEWHALL "Capturing, curating, and communicating lessons of eruptive crises."