

CLABUCO ROOM - SYMPOSIUM III

TUESDAY 22 - BLOCK IV - SESSION 3.4			
CHAIRS Daniele Morgavi - Maurizio Petrelli			
HOUR	CHAIRS TIME	ABSTRACT TITLE	ABSTRACT TITLE
09:00 - 11:30	09:00 - 09:15	Magma Intrusion at Mount St. Helens, Washington, from Temporal Gravity Variations	M. Battaglia (a,c), M. Lisowski (b), D. Dzurisin (b), M. Poland (b), S. Schilling (b), A. Diefenbach (b) and J. Wynn (b)
	09:15 - 09:30	How to constrain the shape and location of magma chambers using seismic noise?	Legrand D., Spica Z., Iglesias A., Pertou M.
	09:30 - 09:45	Imaging eruptive dynamics and vent conditions at Tungurahua volcano (Ecuador) through seismo-acoustic and SO2 flux measurements	Jean Battaglia (1), Silvana Hidalgo (2), Benjamin Bernard (2), Alexander Steele (3), Santiago Arellano (4)
	09:45 - 10:00	Deep source model and dome growth analysis for Nevado del Ruiz Volcano, Colombia, constrained by interferometric synthetic aperture radar and in-situ observations	Paul Lundgren1, Sergey V. Samsonov2, Cristian Mauricio López Velez3, Milton Ordoñez3, Pietro Milillo1, Jacqueline
	10:00 - 10:15	Geodetic signature of 2015-16 unrest at Cotopaxi-Ecuador: modeling of GPS data, a deep magma source, synchronous seismic swarms and petrologic constraints	Patricia A. Mothes1*, Jean-Mathieu Nocquet2, Anieri M. Morales R.3, Paul A. Jarrin1, Elizabeth H. Gaunt1, Marco
	10:15 - 10:30	Calderas, Ignimbrites and Magma Reservoirs	Guido Giordano
	10:30 - 10:45	Eruption dynamics and explosive-effusive transitions during the ~1400 cal BP eruption of Opala Volcano, Kamchatka, Russia	Benjamin Andrews, Josef Dufek
	10:45 - 11:00	Explosive volcanism in the last 1000 years at Soufriere, St Vincent, West Indies	PAUL D COLE1, R ROBERTSON2, C SCARPATI3, L FEDELE3
	11:00 - 11:15	A sequence of the 2014 Plinian event and a long-term magma discharge rate at Kelud volcano, Indonesia	Fukashi Maeno, Setsuya Nakada, Mitsuhiro Yoshimoto, Taketo Shimano, Natsumi Hokanishi, Akhmad
11:15 - 11:30	Strong differences on explosive eruption-styles of two neighbor volcanoes: implications for hazards assessment	Rayen Gho 1,2,3 ; Ángelo Castruccio 1,2; Álvaro Amigo 2,3; Jonathan M. Castro 4	

COFFEE BREAK

12:30-13:00	S3.5 Brad Singer, " From monitoring to understanding large, restless magma systems: The rhyolite dynamics project, Laguna del Maule Volcanic Field, Chile"
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LUNCH

TUESDAY 22 - BLOCK V - SESSION 3.4			
CHAIRS Daniele Morgavi - Maurizio Petrelli			
HOUR	CHAIRS TIME	ABSTRACT TITLE	AUTHOR(S)
14:30 - 16:00	14:30 - 14:45	Chemical heterogeneity in volcanic glass from Chaiten volcano	Kim Berlo (1), Rebecca Paisley (1), Hugh Tuffen (2), Jacqueline Owen (2), Jonathan Castro (3)
	14:45 - 15:00	Dynamics and Timescales of Pulsatory Volcanic Activity	Lucia Dominguez1, Laura Pioli1, Costanza Bonadonna1, Chuck Connor2, Daniele Andronico3, Andrew Harris4,
	15:00 - 15:15	A recipe for an arc volcano eruption at Irazú volcano – ingredients and timing of magma transport	Ruprecht P.1,2, Oeser M.3 & Weyer
	15:15 - 15:30	Linking repose, intrusion and unrest times at openly degassing volcanoes	Fidel Costa1, Dawn Ruth1, Tarsilo Girona2
	15:30 - 15:45	Timescale of magma mixing processes at the effusive to explosive transition at Popocatepetl Volcano (Mexico)	Chiara Maria Petrone
	15:45 - 16:00	Thermal and Magmatic Evolution of a Restless Silicic System: Melt Residence and Accumulation beneath Laguna del Maule, Chile	Josef Dufek, Nathan Andersen, Brad Singer

COFFEE BREAK

TUESDAY 22 - BLOCK VI - SESSION 3.5			
CHAIRS Bradley Singer - Clifford Thurber			
HOUR	CHAIRS TIME	ABSTRACT TITLE	AUTHOR(S)
16:15-17:30	16:15-16:30	Tracking the extraction of compositionally and thermally distinct rhyolite magma batches at Laguna del Maule, central Chile	Nathan L. Andersen(1), Brad S. Singer(1), Fidel Costa(2), Jason Herrin(2), Gareth Fabbro(2), and John
	16:30-16:45	The past, present, and future of Laguna del Maule volcanic field, southern Andes: insights from high-resolution topographic data	(1) Angela K. Diefenbach, (2) Loreto Córdova, (3) Brad S. Singer (4) Diego A. Lobos Lillo (4) Mario Gonzalez (4)
	16:45-17:00	Ground deformation at Laguna del Maule volcanic field from InSAR measurements: interplay between tectonics and magmatism	Hélène Le Mével, Kurt Feigl
	17:00-17:15	Rapid re-inflation following the 2011-2012 rhyodacitic eruption at Cordón Caulle volcano (Southern Andes) ?imaged by InSAR: evidence for magma chamber refill ?	Francisco Delgado (a), Matthew Pritchard (a), Daniel Basualto (b), Jonathan Lazo (b), Loreto Córdova (b),
	17:15-17:30	Signature of magmatic processes in ground deformation signals from Campi Flegrei (Italy)	Montagna, C.P.; Bagagli, M.; Longo, A.; Papale, P.
18:00-19:00	PLENARY TALK: SERGIO GALILEA 'Government and the Ministry of Public Works vision of volcanic eruptions: political aspects, emergency management and reconstruction'.		