

**CALBUCO ROOM**

**THURSDAY 24 - BLOCK VII - SESSION 3.6**

CHAIRS Luis Lara - J. Maarten de Moor			
HOUR	CHAIRS TIME	ABSTRACT TITLE	AUTHOR(S)
09:00 - 11:30	09:00 - 09:15		
	09:15 - 09:30	Quick unrest and renew of eruptive activity at Piton de la Fournaise in 2014-2016	A. Peltier <sup>1</sup> , N. Villeneuve <sup>1</sup> , A. Di Muro <sup>1</sup> , V. Ferrazzini <sup>1</sup> , G. Boudoire <sup>1</sup> , P. Boissier <sup>1</sup> , C. Brunet <sup>1</sup> , P.
	09:30 - 09:45	Detectability and observations of eruption clouds by the JMA's C-band weather radar network	Keiichi Fukui, Eiichi Sato, Toshiki Shimbori, Kensuke Ishii
	09:45 - 10:00	HOTVOLC MONITORING SYSTEM: new open-access webGIS platform	M. Gouhier <sup>(1)</sup> ; Y. Guéhenneux <sup>(1)</sup> ; P. Cacault <sup>(1)</sup> ; Gaël Raux <sup>(2)</sup> ; P.Labazuy <sup>(1)</sup>
	10:00 - 10:15	The correlation between run-up and repose times of volcanic eruptions revisited	Luis E. Lara; Sebastian Esperger
	10:15 - 10:30	VOLCANOMS, a low cost and automated volcanic monitoring system for Chilean volcanoes based on Landsat ETM+ and OLI satellite images	Susana Layana <sup>1</sup> , Felipe Aguilera <sup>2</sup> , Diego Urrutia <sup>3</sup> , Pablo Salazar <sup>2</sup>
	10:30 - 10:45	Towards the evaluation of the success rate of deterministic eruption forecasting	Lesage P.(a), Boué A.(a), Cortés G.(b), Valette B.(a), Reyes-Dávila G.(c), Arámbula-Mendoza R.(c) and Budi-
	10:45 - 11:00	Summit observation at Kuchinoerabu-jima island, Japan, by using an unmanned small helicopter	Takao Ohminato, Takayuki Kaneko, Takao Koyama, Atsushi Watanabe
	11:00 - 11:15	Volcanic soil gas 4He/CO <sub>2</sub> ratio: a useful geochemical tool for eruption forecasting	Nemesio M. Pérez <sup>1,2,3</sup> , María Asensio-Ramos <sup>1</sup> , Eleazar Padrón <sup>1,2,3</sup> , Gladys Melián <sup>1,2,3</sup> ,
	11:15 - 11:30	Assessing the likelihood of an impending eruption using the distal VT model and the catalog of Alaskan volcanic eruptions	Jeremy Pesicek, Jay Wellik, Stephanie Prejean

**COFFEE BREAK**

**12:30-13:00 SXX Stephanie Prejean, "Volcanoes with a short fuse: Managing eruptions with limited precursors"**

**LUNCH**

**THURSDAY 24 - BLOCK VIII - SESSIONS 3.6**

CHAIRS Luis Lara - J. Maarten de Moor			
HOUR	CHAIRS TIME	ABSTRACT TITLE	AUTHOR(S)
14:30 - 16:00	14:30 - 14:45	Measuring gases from sub-glacial volcanoes	Melissa Anne Pfeffer <sup>1</sup> , Richard Yeo <sup>2</sup> , Baldur Bergsson <sup>1</sup> , Benedikt Ófeigsson <sup>1</sup> , Sara Barsotti <sup>1</sup> , Tobias
	14:45 - 15:00	Lessons learned from the eruptions of Mt. Ontake, Japan in 2014 and JMA's efforts in enhancement of monitoring system, volcanic activity evaluation and appropriate information provision	Kohichi Uhira (1), Yohko Igarashi (2)
	15:00 - 15:15	Using Volcanic Lightning to Monitor Explosive Eruptions	Alexa Van Eaton [1], David J. Schneider [2], John W. Ewert [1], Robert H. Holzworth [3], Kristin A.
	15:15 - 15:30	Using ambient seismic noise tomography to image the deep structure in Llaima volcano	Luis Francoa,b, T. Dylan Mikesellic, José Palmab and Jeffrey B. Jonhsonc
	15:30 - 15:45	Quantitative color spectroscopy of ashfall samples as an indicator of eruption styles: Comparison of vulcanian and strombolian eruptions in Indonesia and in Japan.	Taketo Shimano <sup>1</sup> , Setsuya Nakada <sup>2</sup> , Yuki Suzuki <sup>3</sup> , Fukashi Maeno <sup>2</sup> , Mitsuhiro Yoshimoto <sup>4</sup> , Natsumi
	15:45 - 16:00	Unattended gas-chromatography: applications of in situ micro-GC stations and their potential in geochemical monitoring	F. Sortino <sup>1</sup> , M.L. Carapezza <sup>1</sup> , A. Gattuso <sup>1</sup> , M. Ranaldi <sup>2</sup> , L. Tarchini <sup>2</sup> , F. Zanolin <sup>1</sup> , G. Melian <sup>1</sup>

**COFFEE BREAK**

**THURSDAY 24 - BLOCK IX - SESSION 3.7**

CHAIRS Luca Merucci			
HOUR	CHAIRS TIME	ABSTRACT TITLE	AUTHOR(S)
16:15-17:30	16:15 - 16:30		
	16:30 - 16:45	A multisensor synergistic approach for the analysis of volcanic eruptions: the 2015 Calbuco eruption test case (presents Luca Merucci)	S. Corradini <sup>(1)</sup> , F. S. Marzano <sup>(2,3)</sup> , L. Mereu <sup>(2,3)</sup> , M. Montopoli <sup>(4)</sup> , D. Cimini <sup>(3)</sup> , A. Kylling <sup>(5)</sup> , L. Merucci <sup>(1)</sup>
	16:45 - 17:00	Sulphur dioxide (SO <sub>2</sub> ) emissions during the 2014-15 Fogo eruption, Cape Verde	Germán Padilla <sup>1,2</sup> , José Barrancos <sup>1,2</sup> , Samara Dionis <sup>1</sup> , Roberto Quevedo <sup>1</sup> , Paulo
	17:00 - 17:15	Classifying Volcanic Ash using Decision Theory	Luke Western (1), Matthew Watson (1), Peter Francis(2)
	17:15 - 17:30	A multi-sensor approach for deriving volcanic ash heating rates: application to the 2015 Calbuco eruption	Andrew Prata, Steven Siems and Michael Manton
18:00-19:00	<b>PLENARY TALK: Tom Pierson: "Reducing Risk from Volcano Hazards--A Geologist's Observations on What Works and What Doesn't"</b>		

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