

3° CONFERENZA NAZIONALE "RITTMANN" GIOVANI RICERCATORI



30 Gennaio - 01 Febbraio, 2019
Dip. di Scienze della Terra - Università "La Sapienza" Roma



Istituto Nazionale di
Geofisica e Vulcanologia

PROGRAMMA

MERCOLEDÌ, 30 GENNAIO 2019

11:00 - 16:30	Assemblea Ordinaria dei Soci AIV
16:30 - 17:30	Registrazione
17:30 - 19:00	Ice-breaker Party

GIOVEDÌ, 31 GENNAIO 2019

09:00 - 09:30	Conference Opening
09:30 - 10:30	Plenary Lecture Prof. R. Scandone

ORAL SESSION - 1. MAGMAS AND FEEDING SYSTEMS - Conveners: Paola Donato and Marco Viccaro

10:30 - 10:45	<i>Casalini M., Avanzinelli R., Elliott T., Tommasini S., Conticelli S.</i>	Tracing the sediment recycling into the mantle: application of Molybdenum isotopes to ultrapotassic Italian rocks.
10:45 - 11:00	<i>Di Salvo S., Avanzinelli R., Isaia R., Druitt T.H., Francalanci L.</i>	Unravelling plumbing system dynamics linked to explosive eruptions by geochemical and isotopic micro-analyses: the case study of Campanian Ignimbrite, Campi Flegrei, Italy
11:00 - 11:30	COFFEE BREAK TIME	
11:30 - 11:45	<i>Kazarian A., Cáceres F., Scheu B., Misiti V., Vona A., Dingwell D.B., Romano C.</i>	The effect of decompression and water content on the degassing pattern of trachytic magmas.

11:45 - 12:00	<i>Buono G., Edwards B.R., Fanara S., Harris C., Pappalardo L., Petrosino P.</i>	Rapid carbonate assimilation as eruption trigger: new insights from a Somma-Vesuvius (Italy) plinian eruption
12:00 - 12:15	<i>Giuffrida M., Zuccarello F., Viccaro M.</i>	Crystal-melt-bubble diffusion of volatiles as a clue for fixing magma degassing timescales
12:15 - 12:30	<i>Zuccarello F., Giuffrida M., Gresta S., Palano M., Scandura M., Viccaro M.</i>	Rejuvenation mechanisms of a plumbing system: insights from the 2017 activity at Etna volcano
12:30 - 12:45	<i>Bonechi B., Perinelli C., Gaeta M., Stagno V.</i>	Clinopyroxene growth rate: experimental investigation at crustal-mantle boundary level in an alkaline basalt from the Campi Flegrei Volcanic District (South Italy)
12:45 - 14:30 LUNCH TIME		
ORAL SESSION - 2. ERUPTIVE DYNAMICS - Conveners: Paola Del Carlo and Roberto Sulpizio		
14:30 - 14:45	<i>Montanaro A., Perrotta A., Scarpati C.</i>	Facies analysis of the 79 AD Vesuvius deposits observed during the recent excavations at Pompeii
14:45 - 15:00	<i>Silleni A., Giordano G., Isaia R., Ort M.</i>	A new volume calculation of the Campanian Ignimbrite, Campi Flegrei, Italy
15:00 - 15:15	<i>Sicola S., Vona A., Romano C., Ryan A.G., Russell J.K.</i>	Rheological behaviour of porous magmas
15:15 - 15:30	<i>Primerano P., Giordano G., de Vita S.</i>	Volume-time distribution of lava flows and domes of the last 10 kyrs in Ischia Island (Italy)
15:30 - 16:00 COFFEE BREAK TIME		
16:00 - 16:15	<i>Trolese M., Cerminara M., Esposti Ongaro T., Giordano G.</i>	Thermal regime of eruption column collapses and generation of hot pyroclastic flows
16:15 - 16:30	<i>Stabile P., Appiah E., Behrens H., Giuli G., Paris E., Carroll M.R.</i>	Experimental petrology data on pantelleritic melts/glasses

16:30 - 16:45	<i>Neglia F., Capra L., Dioguardi F., Sulpizio R.</i>	Comparing different numerical models for granular flows in volcanic areas
16:45 - 17:45	POSTER SESSIONS - 1. MAGMAS AND FEEDING SYSTEMS and 2. ERUPTIVE DYNAMICS	

VENERDI, 1 FEBBRAIO 2019

09:00 - 10:00	Plenary Lecture Dr. E. Privitera
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ORAL SESSION - 3. GEOLOGY AND STRUCTURES OF VOLCANOES - Conveners: Sandro De Vita and Federico Lucchi

10:00 - 10:15	<i>Musumeci D., Branca S., Ingaliso L.</i>	The magmatic and volcanological tectonic: the Alfred Rittmann theories (1893 - 1980)
10:15 - 10:30	<i>Pelliccioli C., Groppelli G., Sulpizio R., Macías J.L., García Sánchez L.</i>	Geological and structural evolution of Pleistocene La Reforma caldera complex, Baja California Sur, Mexico
10:30 - 10:45	<i>Galetto F., Acocella V., Caricchi L.</i>	Caldera resurgence driven by magma viscosity contrasts
10:45 - 11:15	COFFEE BREAK TIME	
11:15 - 11:30	<i>Natale J., Ferranti L., Marino C., Sacchi M.</i>	Structural frame and volcano-tectonic evolution of the Campi Flegrei collapse caldera-resurgent dome system in the Pozzuoli bay based on multiscale seismic profiles analysis
11:30 - 11:45	<i>Marino C., Ferranti L., Natale J., Sacchi M.</i>	Vertical deformation of the Campi Flegrei caldera (Pozzuoli Bay) during the last 12 ky through analysis of seismostratigraphical and geomorphological sea-level markers
11:45 - 12:00	<i>Risica G., Speranza F., Giordano G., De Astis G., Lucchi F.</i>	Palaeomagnetic Dating of the Neostromboli Succession

ORAL SESSION 4. - MONITORING AND VOLCANIC RISK - Conveners: Ornella Cocina and Giovanni Macedonio

12:00 - 12:15	<i>Messina M., Ferlito C., Mattia M.</i>	Thermally induced signals in closed-conduit volcanoes: a reappraisal of geochemical and geophysical data of 1988 unrest at La Fossa cone (Vulcano Island, Italy)
12:15 - 12:30	<i>Di Martino R.M.R., Capasso G., Camarda M.</i>	Evaluation of deep carbon dioxide emissions from soils on Vulcano Island
12:30 - 12:45	<i>D'Aleo R., Bitetto M., Delle Donne D., Coltelli M., Coppola D., McCormick Kilbride B., Pecora E., Ripepe M., Salem L., Tamburello G., Aiuppa A.</i>	Understanding the SO ₂ degassing budget of Mt Etna's paroxysms: first clues from the December 2015 sequence
12:45 - 14:30 LUNCH TIME		
14:30 - 14:45	<i>Di Martino R.M.R., Camarda M., Gurrieri S.</i>	Concentration transients of H ₂ , CO ₂ , He of volcanic gases
14:45 - 15:00	<i>Brighenti F., Carnemolla F., Messina D., De Guidi G.</i>	Geo-referencing techniques of 3d models (SfM): Case study of mud volcano, Villagio Santa Barbara (Caltanissetta)
15:00 - 15:15	<i>Galetto F., Bagnardi M., Acocella V., Hooper A.</i>	Non-eruptive unrest at the caldera of Alcedo Volcano (Galápagos Islands) revealed by InSAR data and geodetic modelling.
15:15 - 15:30	<i>Pensa A., Capra L., Giordano G.</i>	Block-and-ash flow and related ash-cloud, how hot they can be? Temperature estimations from the July 2015, Volcàn de Colima dome collapse deposits
15:30 - 16:30	POSTER SESSIONS - 3. GEOLOGY AND STRUCTURE OF VOLCANOES and 4. MONITORING AND VOLCANIC RISK	
CONFERENCE CLOSURE		