CONVENERS:

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S01.34 - Volcanoes from the space

Time	ID	Title	Author Name	Affiliations	Presenter Name
8.30 - 8.45	960	A multi-sensor integrated approach for the proximal and distal monitoring of the volcanic eruptions	Stefano Corradini (1) | Luca Merucci (1) | Dario Stelitano (1) | Lorenzo Guerrieri (2) | Massimo Musacchio (1) | Malvina Silvestri (1) | Valerio Lombardo (1) | Simona Scollo (3) | Michele Prestifilippo (3) | Gaetano Spata (3) | Matthieu Poret (4) | Antonio Costa (4)	(1) INGV - ONT, Rome, Italy | (2) CNR - ISAC, Bologna, Italy | (3) INGV - OE, Catania, Italy | (4) INGV - Bologna, Italy	stefano corradini (Invited)
8.45 - 9.00	76	Interpreting volcanological processes using NASA space-borne remote sensing imagery.	Verity Flower (1, 2) | Ralph Kahn (1)	(1) Climate and Radiation Laboratory, Earth Science Division, NASA Goddard Space Flight Center, Greenbelt, MD 20771, USA | (2) Universities Space Research Association, 7178 Columbia Gateway Drive, Columbia, MD 21046, USA.	Verity Flower
9.00 - 9.15	468	Lava lake level changes measured by times series of SAR amplitude: a proxy for pressure changes in the magmatic system at active volcanoes	Nicolas d'Oreye (1,2) | Julien Barrière (1) | Dominique Derauw (1,3) | Halldor Geirsson (4) | Benoît Smets (5) | Adrien Oth (1) | Sergey Samsonov (6) | François Kervyn (5)	(1) European Center for Geodynamics and Seismology, Luxembourg | (2) National Museum of Natural History, Luxembourg | (3) Centre Spatial de Liège,, Belgium | (4) University of Iceland, Iceland | (5) Royal Museum for Central Africa, Belgium | (6) Canada Centre for Mapping and Earth Observation, Natural Resources, Canada	Nicolas d'Oreye
9.15 - 9.30	1196	Multi-sensor remote sensing analysis to monitor active volcanic areas: an application to the 2011-2015 eruptive activity of Mount Etna (Italy)	Maria Marsella (1,2) | Mauro Coltelli (3) | Josè F. Guerrero Tello (1) | Peppe J.V. D'Aranno (2) | Michele Martino (1) | Cristina Proietti (3) | Silvia Scifoni (4)	(1) UniversitÃ di Roma La Sapienza, Via Eudossiana 18, 00184 Rome, Italy | (2) Survey Lab, Spinoff Sapienza University, Via Eudossiana 18, 00184 Rome Italy | (3) Istituto Nazionale di Geofisica e Vulcanologia, Osservatorio Etneo, Piazza Roma 2, 95125 Catania, Italy | (4) Serco Italia S.p.A. , Via Sciadonna 24-26 00044 Frascati (Roma), Italy	Josè Francisco Guerrero Tello
9.30 - 9.45	128	MIROVA: Middle Infrared Observation of Volcanic Activity	Diego Coppola (1) | Marco Laiolo (2) | Dario Delle Donne (3) | Corrado Cigolini (1) | Maurizio Ripepe (2)	(1) University of Turin | (2) University of Florence | (3) University of Palermo	Diego Coppola
9.45 - 10.00	603	MOUNTS: a Sentinel-powered monitoring system for volcano monitoring	Sébastien Valade (1,2) | Thomas R. Walter (2) | Andreas Ley (1) | Olaf Hellwich (1) | Diego Coppola (3) | Marco Laiolo (3) | Francesco Massimetti (4)	(1) Technische Universität Berlin | (2) GFZ Potsdam | (3) University of Torino | (4) University of Firenze	Sébastien Valade
10.00 - 10.15	734	Satellite-based thermal precursors of volcanic eruptions	Társilo Girona (1) | Vincent Realmuto (1)	(1) Jet Propulsion Laboratory, California Institute of Technology	Társilo Girona
10.15 - 10.30	1046	Systematic and automatic ground deformation monitoring via space-borne DInSAR techniques	Francesco Casu (1) | Manuela Bonano (1)(2) | Raffaele Castaldo (1) | Claudio De Luca (1) | Vincenzo De Novellis (1) | Riccardo Lanari (1) | Michele Manunta (1) | Mariarosaria Manzo (1) | Fernando Monterroso (1)(3) | Giovanni Onorato (1) | Susi Pepe (1) | Giuseppe Solaro (1) | Pietro Tizzani (1) | Ivana Zinno (1)	(1) CNR-IREA | (2) CNR-IMAA | (3) University of Napoli "Parthenope"	Francesco Casu (Invited)

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Position	ID	Title	Author Name	Affiliations	Presenter Name
06 - 20.	179	First comparative results from Sentinel-2 And Modis-Mirova Volcanic thermal dataseries	Francesco Massimetti (1,2) | Diego Coppola (2) | Marco Laiolo (1,2) | Corrado Cigolini (2) | Maurizio Ripepe (1)	(1) University of Florence | (2) University of Turin	Francesco Massimetti
06 - 21.	364	Multisource inversion of ground deformation sources: the case of Sakurajima volcano, Japan	Monika Przeor (1) | Luca D'Auria (1,2) | Susi Pepe (3)	(1) Instituto Volcanológico de Canarias (INVOLCAN), Puerto de la Cruz, Spain | (2) Instituto Tecnológico y de Energías Renovables (ITER), Granadilla de Abona, Spain | (3) Istituto per il Rilevamento Elettromagnetico dell'Ambiente (IREA-CNR), Napoli, Italy	Monika Przeor
06 - 22.	462	Application of airborne hyperspectral remote sensing for mapping Surface mineral and volcanic products at 2014-2015 Holuhraun lava flow (Iceland) using Sequential Maximum Angle Convex Cone (SMACC) method	Muhammad Aufaristama (1) | Armann Hoskuldsson (1) | Magnus Orn Ulfarsson (2) | Ingibjorg Jonsdottir (1,3) | Thorvaldur Thordarson (1,3)	(1) Institute of Earth Sciences, University of Iceland, Sturlugata 7 - 101 Reykjavík | (2) Faculty of Electrical and Computer Engineering, University of Iceland, Hjardarhagi 2-7, 107 Reykjavik | (3) Faculty of Earth Sciences, University of Iceland, Sturlugata 7 - 101 Reykjavík	Muhammad Aufaristama
06 - 23.	519	Analysis of the surface thermal anomaly of Solfatara volcano by comparison of satellite and ground thermal infrared images	Teresa Caputo (1) | Eliana Bellucci Sessa (1) | Malvina Silvestri (2) | Maria Fabrizia Buongiorno (2) | Massimo Musacchio (2) | Beatrice Fusai (3) | Fabio Sansivero (1) | Giuseppe Vilardo (1)	(1) Istituto Nazionale di Geofisica e Vulcanologia, sezione di Napoli Osservatorio Vesuviano, via Diocleziano 328, 80125 Napoli, Italy | (2) Istituto Nazionale di Geofisica e Vulcanologia, Osservatorio Nazionale Terremoti, Via di Vigna Murata 605, 00143 Roma, Italy | (3) UniversitÃ degli Studi Roma Tre, Dipartimento di Scienze - Sez. Geologia	Teresa Caputo
06 - 24.	562	Development of the Detection Technique for Ash Deposition Area Using NIR channel	Jongsun Sun (1) | Won-Jin Lee (1) | Sun-Cheon Park (1) | DukKee Lee (1)	(1) Earthquake and Volcano Research Division, Korea Meteorological Administration	Won-Jin Lee
06 - 25.	795	Complex utilization of satellite remote sensing dataset for volcano acitivity monitoring	Won-Jin Lee (1), Jongsun Sun (1), Sun-Cheon Park (1), DukKee Lee (1)	(1) Earthquake and Volcano Research Division, Korea Meteorological Administration	Won-Jin Lee
06 - 26.	802	Volcano monitoring from space using high-cadence Planet cubesats: application to Fuego volcano, Guatemala	Anna Aldeghi (1,2), Rudiger Wolf Escobar (1), Gianluca Groppelli (2), Simon Carn (1)	(1) Michigan Technological University, (2) University of Milano Bicocca	Anna Aldeghi
06 - 27.	912	Radar backscatter analysis methods applied to the 2011-2013 Kīlauea lava flows	Edna W. Dualeh (1) | Susanna K. Ebmeier (1) | Michael P. Poland (2)	(1) School of Earth and Environment, University of Leeds | (2) U.S Geological Survey, Yellowstone Volcano Observatory	Edna W. Dualeh
06 - 28.	937	Exploring the use of IASI retrievals for monitoring volcanic SO2 emissions	Isabelle A. Taylor (1) | James Preston (2) | Elisa Carboni (3) | Tamsin A. Mather (1) | Roy G. Grainger (3) | Nicolas Theys (4) | Silvana Hidalgo (5) | Brendan McCormick Kilbride (6)	(1) COMET, Department of Earth Sciences, University of Oxford | (2) Department of Earth Sciences, University of Oxford | (3) COMET, Sub-Department of Atmospheric, Oceanic and Planetary Physics, University of Oxford | (4) Belgian Institute for Space Aeronomy | (5) Instituto Geofísico de la Escuela Politécnica Nacional | (6) COMET, Department of Earth Sciences, University of Cambridge	Isabelle Taylor
06 - 29.	954	How well can we measure Etna emission from satellite?	Elisa Carboni (1) | Isabelel Taylor (1) | Giuseppe Salerno (2) | Pasquale Sellitto (3) | Stefano Corradini (2) | Luca Merucci (2) | Roy Grainger (1) | Tamsin Mather (1)	(1) University of Oxford | (2) INGV | (3) UKRI SFTC	Elisa Carboni
06 - 30.	956	Automatic InSAR processing to monitor volcanic deformations in The Canary Islands	Anselmo Fernández-García (1) | Elena González-Alonso (1) | Laura García-Cañada (1) | Héctor Lamolda (1) | Stavros Meletlidis (2)	(1) Observatorio Geofísico Central, Instituto Geográfico Nacional, C/ Alfonso XII, 3, 28014 Madrid, Spain | (2) Centro Geofísico de Canarias, Instituto Geográfico Nacional , C/ La Marina 20, 2º, 38001 Santa Cruz de Tenerife, Spain	Anselmo Fernández-García
06 - 31.	994	Development of an integrated and automated tool for InSAR time series processing and near real time displacements monitoring	Dominique Derauw (1,2) | Nicolas d'Oreye (1,3) | Sergey Samsonov (4) | François Kervyn (5) | Ludivine Libert (2) | Anne Orban (2)	(1) European Center for Geodynamics and Seismology, Luxembourg | (2) Centre Spatial de Liège,, Belgium | (3) National Museum of Natural History, Luxembourg | (4) Canada Centre for Mapping and Earth Observation, Natural Resources, Canada | (5) Royal Museum for Central Africa, Belgium	Dominique Derauw
06 - 32.	1031	Developing baseline thresholds for satellite detected infrared emissions at persistently active volcanoes	Hannah Moss Davies (1)	(1) Coventry University	Hannah Moss-Davies
06 - 33.	1040	InSAR characterization of lava flows at Piton de la Fournaise	Alexis Hrysiewicz (1) | Jean-Luc Froger (1) | Nicolas Villeneuve (2,4) | Thierry Menand (1) | Catherine Aaron (3) | Aline Peltier (4)	(1) Université Clermont Auvergne, CNRS, IRD, OPGC, Laboratoire Magmas et Volcans, F-63000 Clermont-Ferrand, France | (2) Laboratoire Géosciences Réunion, Université de La Réunion, Institut de Physique du Globe de Paris, Sorbonne Paris-Cité, UMR 7154 CNRS, 97715 Saint-Denis, France | (3) Université Clermont Auvergne, CNRS, Laboratoire de Mathématiques Blaise Pascal, F-63000 Clermont-Ferrand, France | (4) Institut de Physique du Globe (IPGP), Sorbonne Paris-Cité, CNRS UMR-7154, Université Paris Diderot, Observatoire Volcanologique du Piton de la Fournaise (OVPF), Bourg-Murat, France	Alexis Hrysiewicz
06 - 34.	1096	Monitoring thermal anomalies in ice covered volcanoes using C-band aircraft ground clearance radar	Thórdís Högnadóttir (1), Magnús T. Gudmundsson (1), Hannah I. Reynolds (1), Snaebjörn Gudbjörnsson (2), Örnólfur Lárusson (2)	(1) Institute of Earth Sciences, University of Iceland (2) Isavia	Thórdís Högnadóttir