

Monday, August 14

Opening Ceremony and Plenary Session

Monday August 14, 2017. 8:30 AM - 10:30 AM OCC Oregon Ballroom 201-203

		Martin Streck, Jon Major, Don Dingwell, Roberto Sulpizio	Opening Ceremony
		Anita Grunder	Legacy of Cenozoic Volcanism in the Pacific Northwest: One of myriad versions
		Ray Wells	Cenozoic tectonic evolution of the Cascadia convergent margin, western North America

MT11A: I.1 Planetary volcanology I

Monday August 14, 2017. 11:00 AM - 1:00 PM Room B116

Abstract Number	Time	Authors	Title
MT11A-1	11:00 AM - 11:15 AM	Sarah S. Sutton, Christopher W. Hamilton, Jacob E. Bleacher, David A. Williams	Channelized Flows East of Olympus Mons, Mars
MT11A-2	11:15 AM - 11:30 AM	Gabriel Garcia, Brittany Brand, Joshua Bandfield	Identifying explosive volcanism on Mars through geomorphologic and thermophysical observations
MT11A-3	11:30 AM - 11:45 AM	Catherine Elder, Paul Hayne, Timothy Glotch	Low Thermal Inertia Volcanic Deposits on the Moon
MT11A-4	11:45 AM - 12:00 PM	Aaron Morrison, Michael Zanetti, Christopher Hamilton, Catherine Neish, Einat Lev, Alan Whittington	Rheology of lunar highland and mare impact melt simulants: JSC-1a, Stillwater anorthosite, and Stillwater norite
MT11A-5	12:00 PM - 12:15 PM	Marieke Schmidt, Alicia Thomas, Lucy Thompson, Ralf Gellert	Diverse igneous protolith contributions to sediments in Gale Crater: Implications for a variably metasomatized Mars mantle
MT11A-6	12:15 PM - 12:30 PM	Michael Manga, Chloe Michaut	Formation of lenticulae on Europa by saucer-shaped sills
MT11A-7	12:30 PM - 12:45 PM	Eric Grosfils, Patrick McGovern, Nicolas Le Corvec, Gerald Galgana, Debra Hurwitz, Shelley Chestler	Revisiting the Mechanics of Radial Dike Swarm Formation: Some Limitations of Past Approaches and an Overview of New Insights Derived from Recent Numerical Models
MT11A-8	12:45 PM - 1:00 PM	Paul Byrne	The volcanic histories of Mercury and the Moon are distinct from those of Earth, Mars, and Venus

ME11A: II.6 Volcanism and magmatism under water or ice I

Monday August 14, 2017. 11:00 AM - 1:00 PM Room A105

Abstract Number	Time	Authors	Title
ME11A-1 (invited)	11:00 AM - 11:30 AM	Raymond Cas	Why deep water volcanic eruptions are so different from subaerial eruptions
ME11A-2	11:30 AM - 11:45 AM	Madeline Lewis, Paul Asimow, David Lund	Petrology of Explosive Eruptions from the Pacific-Antarctic Ridge and Ties to Sea Level Variation
ME11A-3	11:45 AM - 12:00 PM	Michael Perfit, Daniel Fornari, Patricia Gregg, Dorsey Wanless, Matthew Smith, W. Ian Ridley	Diversity of Lavas from the 8° 20'N Seamount Chain: Windows into Small-scale Geochemical Heterogeneity of the Mantle Proximal to the Northern East Pacific Rise
ME11A-4	12:00 PM - 12:15 PM	Jodi M. Fox, Rebecca J. Carey, Millard F. Coffin, Sally J. Watson, Paul Olin, Richard Arculus, Erica Spain	McDonald Islands – An example of submarine and subaerial phonolitic volcanism on the Kerguelen Plateau, the southern Indian Ocean
ME11A-5 (invited)	12:15 PM - 12:30 PM	Alison Graettinger, Dave McGarvie, Ian Skilling, Armann Hoskuldsson	Growth of a long-lived multi-vent ice-confined basaltic volcano: Austurfjöll, Askja, Iceland
ME11A-6	12:30 PM - 12:45 PM	Aaron Curtis, Philip Kyle	Satellite and LiDAR monitoring of ice-covered volcanoes to detect volcanic unrest
ME11A-7	12:45 PM - 1:00 PM	Rosemary Cole, James White, Graham Leonard, Dougal Townsend	A physical volcanology study to determine the glaciovolcanic evolution of an andesitic edifice, Tongariro Volcano, New Zealand

ME11B: II.7 Architecture of magmatic plumbing systems I

Monday August 14, 2017. 11:00 AM - 1:00 PM Ballroom 201-203

Abstract Number	Time	Authors	Title
ME11B-1	11:00 AM - 11:15 AM	V. Dorsey Wanless, Mark Behn	Geochemical and thermal constraints on magma storage and crystallization along the global mid-ocean ridge system
ME11B-3	11:30 AM - 11:45 AM	Fiona Iddon, Marie Edmonds, Karen Fontijn, Juliane Hübert Hübert, William Hutchinson, Charlotte Jackson, Tamsin Mather, David Pyle	Mush architecture beneath peralkaline volcanoes in the Main Ethiopian Rift

ME11B-4	11:45 AM - 12:00 PM	Eleanora Rivalta, Marco Neri, Francesco Maccaferri, Valerio Acoella, Rosolino Cirrincione	Crustal magma pathways for Etnean and Hyblean volcanism curved by deepening of Malta Escarpment
ME11B-5	12:00 PM - 12:15 PM	Erik Sturkell, Halldór Ólafsson, Eysteinn Tryggvason, Halldór Geirsson, Ásta Rut Hjartardóttir, Páll Einarsson, Freysteinn Sigmundsson, Talfan Barnie	Fifty years of tilt measurements in Iceland: Lessons learned
ME11B-6	12:15 PM - 12:30 PM	Robert White, Marie Edmonds, John MacIennan, Jennifer Jenkins	Deep Crustal Magma Plumbing in Iceland from seismicity, geochemistry and petrology
ME11B-7	12:30 PM - 12:45 PM	Michael Poland, Michael Lisowski, Daniel Dzurisin, Rebecca Kramer, Megan McLay, Benjamin Pauk	A volcano geodesy tour of the Cascade arc
ME11B-8	12:45 PM - 1:00 PM	Esteban Bowles-Martinez, Paul Bedrosian, Adam Schultz, Jared Peacock, Graham Hill	Magnetotelluric imaging reveals conductive connections within the southern Washington Cascade arc

ME11C: II.10 A tribute to the life and work of Jon Davidson (1959-2016) I
Monday August 14, 2017. 11:00 AM - 1:00 PM Room A107-109

Abstract Number	Time	Authors	Title
ME11C-1 (invited)	11:00 AM - 11:30 AM	Heather K. Handley, Jon P. Davidson, Colin G. Macpherson	Separating crustal and mantle signatures in Sunda arc subduction zone volcanic rocks
ME11C-2	11:30 AM - 11:45 AM	George Bergantz, Jillian Schleicher, Alain Burgisser	Unpacking the Crystal Cargo: Getting to the Bottom of Magma Dynamics
ME11C-3	11:45 AM - 12:00 PM	Kari Cooper, Adam Kent, Christian Huber, Kevin Schrecengost, Allison Rubin, Wim Degruyter, Richard Bradshaw	Reconciling "cold storage" and "warm storage" in crustal magma reservoirs
ME11C-4	12:00 PM - 12:15 PM	John Hora, Gerhard Wörner, Andreas Kronz, Axel Schmitt	Progress toward Crystal Thermal Stratigraphies: relative and quantitative constraints on T-t evolution of long-lived magmatic systems
ME11C-5	12:15 PM - 12:30 PM	Katharine Cashman, Stephen Sparks, Jon Blundy, Jenny Riker, Guido Giordano	What's the mush? Physical insights into mush structure provided by crystal cargo
ME11C-6	12:30 PM - 12:45 PM	Jenni Barclay, Katie Preece, Katy Chamberlain, Richard Brown, Darren Mark, Charlotte Vye, Ben E. Cohen, Sue Loughlin	Integrating volcanology, geochemistry and petrology to understand magmatism on Ascension Island
ME11C-7	12:45 PM - 1:00 PM	Fidel Costa, Liliu Cheng	A statistical approach to identify plagioclase crystal populations and applications to subduction zone magmas

PE11A: III.5 Processes leading to monogenetic volcanism I
Monday August 14, 2017. 11:00 AM - 1:00 PM Room A106

Abstract Number	Time	Authors	Title
PE11A-1	11:00 AM - 11:15 AM	Adrian Pittari, April Foote, Aliasgar Kapasi, Roger M. Briggs, Keith Miller, Karoly Nemeth	Volcanic history of the Bombay Volcanic Complex, New Zealand: Long-lived, closely-spaced volcanism in a dispersed monogenetic field
PE11A-2	11:15 AM - 11:30 AM	Ian E M Smith	The Geochemical Behaviour of small scale basaltic systems: the example of intraplate monogenetic systems
PE11A-3	11:30 AM - 11:45 AM	Marco Brenna, Shane Cronin, Ian Smith, James Scott, Elaine Smid	Rapid magma ascent following complex storage in the monogenetic Auckland Volcanic Field
PE11A-4	11:45 AM - 12:00 PM	Maria Eva Jankovics, Szabolcs Harangi, Balazs Kiss, Karoly Nemeth, Theodoros Ntaflos	High-resolution mineral-scale analysis to unravel the complexity of the subvolcanic magmatic systems beneath monogenetic basaltic volcanoes
PE11A-5	12:00 PM - 12:15 PM	Steven Levesque, Frank Ramos	Geochemical Constraints on the Magmatic Evolution of the McCartys Flow, West-Central New Mexico
PE11A-6	12:15 PM - 12:30 PM	Xavier Bolós, Gerardo Cifuentes, José Luis Macías, Giovanni Sosa-Ceballos, Denis Avellán	Eruption dynamics, internal structure and hydrothermal system of Paricutin volcano (Mexico) Insights from ERT 3D model combined with historical and geological evidences
PE11A-7	12:30 PM - 12:45 PM	Caroline Bélanger, Pierre-Simon Ross	Origin of non-bedded pyroclastic rocks in the Cathedral Cliff diatreme, Navajo volcanic field, New Mexico
PE11A-8	12:45 PM - 1:00 PM	Pierre-Simon Ross, Patrick Hayman, Gerardo Carrasco Núñez	Felsic diatremes, a volcanological overview

PE11B: III.6 Linking monitoring data with volcanic processes I
Monday August 14, 2017. 11:00 AM - 1:00 PM Room B117-119

Abstract Number	Time	Authors	Title
PE11B-1	11:00 AM - 11:15 AM	Stephanie B. Grocke, Thorvaldur Thordarson, Anja Schmidt, Elisa Carboni, Estelle Bonny, Rob Wright, Ármann Höskuldsson, Ingibjörg Jónsdóttir, Tamsin A. Mather	Integrating the empirical petrologic method, satellite retrievals, and model simulations to evaluate sulfur degassing processes at the 2014-2015 basaltic flood lava eruption at Holuhraun (N-Iceland)

PE11B-2	11:15 AM - 11:30 AM	Stéphanie Dumont, Freysteinn Sigmundsson, Andy Heimisson, Kristín S. Vogfjörð, Sigrún Hreinsdóttir, Benedikt G. Ófeigsson, Melissa A. Pfeffer, Diego Coppola, Sara Barsotti, Maurizio Ripepe, Eva P.S. Eibl, Chris J. Bean, Elías R. Heimisson, Michelle M. Parks, MagnúsT. Gudmundsson, Kristín Jónsdóttir, Vincent Drouin, Gro B.M. Pedersen, Ármann Höskuldsson, Saemundur A. Halldórsson, IES field team	Spatial and temporal evolution of the plumbing system feeding the 2014-2015 fissure eruption at Holuhraun (Iceland) inferred from a multi-disciplinary approach
PE11B-3	11:30 AM - 11:45 AM	Elias Heimisson, Paul Segall	Imaging a propagating dike through joint inversion of seismic and geodetic data: Application to the 2014 Bardarbunga dike, Iceland
PE11B-4	11:45 AM - 12:00 PM	Patricia A Mothes, Elizabeth H. Gaunt, Mario C. Ruiz, Minard L. Hall, Silvana Hidalgo	Step by Step Awakening at Cotopaxi Volcano: A new look at the geophysical beginnings of recent and past eruptions and conduit processes
PE11B-5	12:00 PM - 12:15 PM	Cynthia Werner, Christoph Kern, Diego Coppola, Daniel Rasmussen, Peter Kelly, John Lyons, Kristi Wallace, David Schneider, Rick Wessels	Linking gas emissions, lava extrusion, and melt S contents for a better understanding of shallow magmatic processes at Mount Cleveland volcano, Alaska
PE11B-6	12:15 PM - 12:30 PM	Eleazar Padrón, Pedro A. Hernández, Germán D. Padilla, Gladys V. Melián, Nemesio M. Pérez, Carlo Arcilla, Alfredo Mahar Lagmay, Fátima Rodríguez, Mar Alonso, Maria Criselda Baldago, Gerald Quina, Mario A. Aurelio	Monitoring diffuse CO2 degassing for the volcanic surveillance of Taal volcano, Philippines
PE11B-7	12:30 PM - 12:45 PM	Julien Barrière, Adrien Oth, Nicolas M. Oreye, Nicolas Theys, Jeffrey Johnson, François Kervyn	Monitoring volcano seismicity, infrasound and SO2 degassing patterns in the Virunga Volcanic Province, Democratic Republic of the Congo
PE11B-8	12:45 PM - 1:00 PM	Nemesio Pérez, Susi Pepe, Francesco Montrond, Claudio De Luca, Pietro Tizzani, Luca D'Auria, Samara Dionis, Paulo Fernandes, Sonia V. Silva, Fátima Rodríguez, Marta García-Merino, Rubén García-Hernández, Eurico Montrond, Vera Alfama, Jeremías Cabral, José M. Pereira, Eleazar Padrón	Diffuse degassing and deformation monitoring at the oceanic volcanic island of Brava, Cape Verde

VH11A: V.6 Volcanic ash and gas: Generation, transport and impacts on infrastructure, aviation, and climate I

Monday August 14, 2017. 11:00 AM - 1:00 PM Room B114-115

Abstract Number	Time	Authors	Title
VH11A-1	11:00 AM - 11:15 AM	William M. Moreland, Thorvaldur Thordarson, Bruce F. Houghton, Gudrun Larsen	The nature of explosive activity during the 10th century Eldgjá fissure eruption, southern Iceland
VH11A-2 (invited)	11:15 AM - 11:30 AM	Alvaro Amigo, Daniel Bertin	Recent eruptions in the Andean Southern Volcanic Zone: surveillance, processes and impacts
VH11A-3	11:30 AM - 11:45 AM	Benjamin Clarke, Eliza Calder, Joaquin Cortes, Mark Naylor, Firawalin Dessalegn, Ian Butler, Karen Fontijn, William Hutchison	Achneliths with Evidence of Post-Emplacement Vesiculation at Aluto Volcano, Main Ethiopian Rift: New constraints on Fragmentation and Eruptive Styles at Peralkaline Rhyolite Volcanoes
VH11A-4	11:45 AM - 12:00 PM	Alison Rust, Katharine Cashman	Spatial variations in ash properties – controls from petrology to sedimentation
VH11A-5	12:00 PM - 12:15 PM	Jennifer Saxby, Katharine Cashman, Alison Rust, Frances Beckett	From needles to plates: extreme volcanic ash shape and implications for ash dispersion modelling
VH11A-7	12:30 PM - 12:45 PM	Ana Casas, Fabian Wadsworth, Jeremie Vasseur, Paul Ayris, Corrado Cimarelli, Donald B. Dingwell	In-plume gas scavenging: An insight into gas adsorption, ash-surface chemistry and the role of water
VH11A-8	12:45 PM - 1:00 PM	Sebastian Mueller, Ulrich Kueppers, Jonathan Ametsbichler, Corrado Cimarelli, Jonathan Merrison, Matthieu Poret, Fabian Wadsworth, Donald Dingwell	Deposition or not? The fate of volcanic ash aggregates

VH11B: V.7 Volcano geology and geological mapping as tools for unravelling volcanic history and long term hazards assessment I

Monday August 14, 2017. 11:00 AM - 1:00 PM Room B110-112

Abstract Number	Time	Authors	Title
VH11B-1 (invited)	11:00 AM - 11:30 AM	Guido Giordano	Volcano Geology and mapping
VH11B-2	11:30 AM - 11:45 AM	Robert Askew, Thor Thordarson, Phil Gans	Geological mapping of Breiðdalur volcano: Evolution and structure of a Neogene central volcano in Iceland
VH11B-3	11:45 AM - 12:00 PM	Yoshihiko Goto, Jocelyn McPhie	Tectonics, structure and resurgence of the largest Quaternary caldera in Japan: Kutcharo, Hokkaido

VH11B-4	12:00 PM - 12:15 PM	Tetsuo Kobayashi	Precursory sequence to the caldera-forming eruption deduced from the outcrops of two caldera volcanoes in Kyushu, Japan
VH11B-5	12:15 PM - 12:30 PM	Gerardo Carrasco	U/Th and 40Ar/39Ar dating revealing a new evolutionary model of Los Humeros caldera formation: Implications for its geothermal potential
VH11B-6	12:30 PM - 12:45 PM	Graham Leonard, Andrew Calvert, Colin Charlier, Bruce Houghton, Dougal Townsend, Marvin Lanphere, John Begg, Darren Gravley, Drew Downs, Pilar Villamor, Julie Rowland, Michael Rosenberg, Bruce Charlier	The life and times of central Taupo Volcanic Zone: 15 years of mapping and geochronology illuminate the episodic evolution of Earth's most productive silicic volcanic system
VH11B-7	12:45 PM - 1:00 PM	Shane Cronin, Magret Damaschke, Rafael Torres-Orozco, Michael Turner, Thomas Platz, Anke Zernack, Jonathan Procter, Geoff Lerner, Mark Bebbington, Ian Smith, Richard Price	Stratovolcano "pulse" observed through a decadal multicomponent, high-resolution volcanic study at Mt. Taranaki, New Zealand

ER11A: VI.2 New approaches to understanding magma and volatile evolution, sub-volcanic intrusions and porphyry ore mineralization I

Monday August 14, 2017. 11:00 AM - 1:00 PM Room B113

Abstract Number	Time	Authors	Title
	11:00 AM - 11:15 AM		Open
ER11A-2	11:15 AM - 11:30 AM	Massimo Chiaradia, Luca Caricchi	Crustal magmatic processes controlling the formation of porphyry copper deposits
ER11A-3	11:30 AM - 11:45 AM	Thomas Benson	Large lithium deposits hosted in intracontinental rhyolitic calderas
ER11A-4	11:45 AM - 12:00 PM	Marie Edmonds, Tamsin Mather, Emma Liu	Tracking metal pathways in magmas using volcanic gases
ER11A-5	12:00 PM - 12:15 PM	Oleg Melnik, Andrey Afanasyev, Ivan Utkin, Yulia Tsvetkova	Brine lens formation above degassing magma chamber
ER11A-6	12:15 PM - 12:30 PM	Amy Gilmer, R. Stephen J. Sparks, Jon D. Blundy, Alison Rust	A hypabyssal perspective: magmatic processes in the Don Manuel igneous complex and porphyry copper system, central Chile
ER11A-7	12:30 PM - 12:45 PM	Carter Grondahl, Zoltan Zajacz	Magmatic controls on the genesis of the giant Bingham Canyon porphyry Cu-Mo-Au deposit
ER11A-8	12:45 PM - 1:00 PM	John Dilles, Nansen Olson, Michelle Campbell	Zircon geochemistry as a recorder of arc magmatic processes related to porphyry copper formation: Evidence from SHRIMP-RG and LA-ICP-MS data

Lunchtime Keynote

Monday August 14, 2017. 1:30 PM - 2:15 PM Ballroom 201-203

1:30 PM - 2:15 PM	John Pallister	TBA
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ME12A: II.7 Architecture of magmatic plumbing systems II

Monday August 14, 2017. 2:30 PM - 4:30 PM Ballroom 201-203

Abstract Number	Time	Authors	Title
ME12A-1	2:30 PM - 2:45 PM	Matthew Pritchard, Steve McNutt, Jo Gottsmann, Mike West, Shan de Silva, Martyn Unsworth, Steve Sparks, Jon Blundy, Scott Henderson, Estela Minaya, Jon Perkins, Noah Finnegan	Integrated geophysical and petrological constraints on crustal melt at the Altiplano-Puna deformation anomaly
ME12A-2	2:45 PM - 3:00 PM	Aaron Pietruszka, Jared Marske, Michael Garcia, Daniel Heaton, J. Michael Rhodes	An Isotopic Perspective into the Magmatic Architecture and Evolution of the Rift Zones of Kilauea Volcano
ME12A-3	3:00 PM - 3:15 PM	Ozge Karakas, Jörn-Frederik Wotzlaw, Zack McIntire, Olivier Bachmann, George Bergantz, Julian-Christopher Storck, Peter Ulmer, Josef Dufek	Constraining the heat budget and lifetime of crustal-scale magmatic systems: Insights from the Ivrea-Verbano Zone and Serie dei Laghi, Italy
ME12A-4	3:15 PM - 3:30 PM	Masafumi Sudo, Manfred Strecker, Andrea Friese, Kai Hahne, Simon Riedl, Tito Lopeyok, Geoffrey Mibei	Temporal change in geochemistry of volcanic rocks along the volcano-tectonic axis of the northern Kenya Rift: Insights from the Ar/Ar geochronology and whole-rock chemistry at Paka
ME12A-5	3:30 PM - 3:45 PM	Craig Miller, Glyn Williams-Jones, Dominique Fournier, Jeff Witter	3D gravity inversion and thermodynamic modelling reveal properties of shallow silicic magma reservoir beneath Laguna del Maule, Chile
ME12A-6	3:45 PM - 4:00 PM	Judy Fierstein	Postglacial eruptive history from tephra-lava correlations provide window into magmatic system beneath Laguna del Maule, Chile
ME12A-7	4:00 PM - 4:15 PM	Brad Singer, Hélène Le Mével, Joseph M. Licciardi Licciardi, Loreto Córdova, Basil Tikoff, Nicolas Garibaldi, Angela K. Diefenbach, Nathan L. Andersen	Integrating geomorphology, geochronology, and numerical modeling of 60 meter surface inflation to reveal Holocene growth of the silicic magma reservoir beneath Laguna del Maule, Chile

ME12A-8	4:15 PM - 4:30 PM	Maren Wanke, Ozge Karakas, Olivier Bachmann	The magmatic plumbing system beneath Mount St. Helens
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ME12B: II.10 A tribute to the life and work of Jon Davidson (1959-2016) II
Monday August 14, 2017. 2:30 PM - 4:30 PM Room A107-109

Abstract Number	Time	Authors	Title
ME12B-1	2:30 PM - 3:00 PM (invited)	Claire McLeod, Jon Davidson, Shanaka de Silva	Probing the Depths of Continental Arc Magmatism: Insights from the Minor Volcanic Centers of the Bolivian Andes
ME12B-2	3:00 PM - 3:15 PM	Gerhard Wörner, Magdalena Blum-Oeste, John Hora, Axel K Schmitt, Wencke Wegner	Changing regimes in central Andean magma systems
ME12B-3	3:15 PM - 3:30 PM	Michael Dungan, Stephen Turner, Charles Langmuir, Leif Karlstrom	Mantle sources of lithospheric components in Quaternary magmas of the northern, thick-crust portion of the Andean Southern Volcanic Zone (33-36°S), Chile
ME12B-4	3:30 PM - 4:00 PM (invited)	Jon Blundy, Duncan Muir, Luca Ziberna, Richard Brooker	Dacite Petrogenesis at Cerro Uturuncu Volcano, Bolivia
ME12B-5	4:00 PM - 4:15 PM	Josef Dufek, Nathan Andersen	The Growth, Dynamics and Longevity of Silicic Magma Bodies: Crustal Forensics in Two Restless Andean Magmatic Systems
ME12B-6	4:15 PM - 4:30 PM	Dale Burns, Shanaka de Silva, Frank Tepley	From the crystal to the arc: Using crustal forensics to understand the development and evolution of continental magmatic arcs

PE12A: III.5 Processes leading to monogenetic volcanism II
Monday August 14, 2017. 2:30 PM - 4:30 PM Room A106

Abstract Number	Time	Authors	Title
PE12A-1	2:30 PM - 2:45 PM	Catherine Lit, Lucia Gurioli, Benjamin van Wyk de Vries, Pierre Boivin, Didier Miallier	How the Chopine eruption developed- a monogenetic trachytic eruption
PE12A-2	2:45 PM - 3:00 PM	Cody Nichols, Alison Graettinger	Regional Tectonic Control on the Shape of Maar Craters
PE12A-3 (invited)	3:00 PM - 3:15 PM	Jozua van Otterloo, Alexander R. Cruden	Unique intra-vent folded dyke and peperite: new mechanism for magma-water mixing
PE12A-4	3:15 PM - 3:30 PM	David Sherrod	Diamond Craters, Oregon: the transition of a Holocene subaerial dry eruption to phreatomagmatic
PE12A-5	3:30 PM - 3:45 PM	Audray Delcamp, Hannes Mattsson, Lucia Gurioli, Christian Bircher, Engelbert Sakoma, Lore Steyaert, Houria Belkus, Matthieu Kervyn	Towards an understanding of the North Tanzanian maar crater formation from a cross-disciplinary perspective
PE12A-6	3:45 PM - 4:00 PM	James Muirhead, Alexa Van Eaton, Nicolas Le Corvec, Giuseppe Re, James White, Michael Ort	The architecture and development of shallow monogenetic feeder systems: perspectives from extinct volcanic fields
PE12A-7	4:00 PM - 4:15 PM	Andrew Harp, Greg Valentine	Emplacement controls for the basalt-andesite radial dikes of Summer Coon Volcano, CO, USA
PE12A-8	4:15 PM - 4:30 PM	Ainhoa Lorenzo, Marie-Noëlle Guilbaud, Julie Roberge	Violent-Strombolian eruptions at monogenetic volcanoes and their hazards: The case of the 10 ka Pelado shield, Sierra Chichinautzin, Central México

PE12B: III.6 Linking monitoring data with volcanic processes II
Monday August 14, 2017. 2:30 PM - 4:30 PM Room B117-119

Abstract Number	Time	Authors	Title
PE12B-1	2:30 PM - 2:45 PM	Benjamin Bernard, Krupskaia Acuña, Diego F. Narvaez, Alicia Guevara, Marjorie Encalada, Santiago Santamaría, Jean Battaglia, Daniel Sierra, Stephen Hernandez	Cracking the ash code at Tungurahua volcano
PE12B-2	2:45 PM - 3:00 PM	Julie Roberge, Alison Rust, Kathy Cashman	Popocatepetl's shades of grey: a detailed petrology study of ashes from 2008 to 2015
PE12B-3	3:00 PM - 3:15 PM	Diana Roman	Automated detection and characterization of harmonic tremor at Popocatepetl Volcano, Mexico
PE12B-4	3:15 PM - 3:30 PM	John Lyons, Matthew Haney, David Fee, Alex Iezzi, Hans Schwaiger	Infrasound from the shallow submarine eruption of Bogoslof volcano, Alaska
PE12B-5	3:30 PM - 3:45 PM	Aaron Wech, Matt Haney	Probing Bogoslof volcano eruption dynamics using a catalog of repeating earthquakes
PE12B-6	3:45 PM - 4:00 PM	Taryn Lopez, Lleven Clarisse, Simon Wallace, Fred Prata, David Fee, Hans Schwaiger, Alexa Van Eaton, Peter Cervelli, Cheryl Searcy, Matthew Haney, John Lyons, Aaron Wech, Kristi Wallace, Christopher Waythomas	Insight into eruption processes at Bogoslof volcano, Alaska through evaluation of SO ₂ masses and comparison with complementary datasets
PE12B-7	4:00 PM - 4:15 PM	Matthew Haney, David Fee, Robin Matoza, Alexa Van Eaton, Peter Cervelli, David Schneider, Alexandra Iezzi	Plume-tremor hysteresis: Analogies between fluvial seismology and co-eruptive volcano seismo-acoustics
PE12B-8	4:15 PM - 4:30 PM	Jeffrey Johnson, Jose Luis Palma, Nick Varley	Monitoring Lahars with Infrasound

PE12C: III.7 Combining geological data and numerical simulations for understanding the eruption dynamics and depositional processes I			
Monday August 14, 2017. 2:30 PM - 4:30 PM Room A105			
Abstract Number	Time	Authors	Title
PE12C-1	2:30 PM - 2:45 PM	Sylvain Charbonnier, Charles Connor, Laura Connor, Jacob Richardson, Elodie Macorps	Assessing the performance of volcanic mass flow models using well-constrained geological data, validation metrics and Bayesian statistics
PE12C-2	2:45 PM - 3:00 PM	Tomofumi Kozono, Hideki Ueda, Taku Ozawa, Toshiki Shimbori, Keiichi Fukui, Takehiro Koyaguchi, Eisuke Fujita, Akihiko Tomiya	The dynamics of the 2011 Kirishima-Shinmoe-dake eruptions, Japan, revealed by tiltmeter, satellite, and weather radar observations
PE12C-3	3:00 PM - 3:15 PM	Maurizio Battaglia, Mike Lisowski, Dan Dzurisin, Mike Poland, Steve Schilling, Angie Diefenbach, Jeff Wynn	Magma Intrusion at Mount St. Helens, Washington, from Temporal Gravity Variations
PE12C-4	3:15 PM - 3:30 PM	Jean-Christophe Komorowski, Marc Peruzzetto, Marina Rosas-Carbajal, Anne Le Friant, Anne Mangeney, Yoann Legendre	New insights on flank-collapse and directed explosions hazards from hydrothermal eruptions at La Soufrière de Guadeloupe (Lesser Antilles)
PE12C-5	3:30 PM - 3:45 PM	Silvia Massaro	Time evolution of magma feeding system during a Plinian eruption
PE12C-6	3:45 PM - 4:00 PM	Tomaso Esposti Ongaro, Mattia de' Michieli Vitturi, Marco Pistolesi, Federico Di Traglia, Costanza Bonadonna, Mauro Rosi	Physical modelling and numerical simulation of a shallow hydrothermal explosion: PDC generation and ballistic ejection during the 13th century "Breccia di Commenda" eruption (Vulcano island, Italy)
PE12C-7	4:00 PM - 4:15 PM	James Gardner, Caroline Nazworth, Mark Helper, Benjamin Andrews	Standing Trees in the Midst of Destruction: Insights into the 18 May 1980 Pyroclastic Density Current
PE12C-8	4:15 PM - 4:30 PM	Paraskevi Nomikou, Tim Druitt, Christian Watts, Tamsin Mather, Michele Paulatto, Lara Kalnins, Karim Kelfoun, Dimitris Papanikolaou, Konstantina Bejelou, Danai Lampridou, David Pyle, Steven Carey, Anthony Watts, Benedikt Weiß, Michelle Parks	Post-eruptive flooding of Santorini caldera and implications for tsunami generation

VO12A: IV.5 The role of volatiles in volcanic systems of the Earth's lithosphere I			
Monday August 14, 2017. 2:30 PM - 4:30 PM Room B113			
Abstract Number	Time	Authors	Title
VO12A-1	2:30 PM - 2:45 PM	Christian Huber, Andrea Parmigiani, Olivier Bachmann, Wim Degruyter	Outgassing in shallow arc magma reservoirs
VO12A-2	2:45 PM - 3:00 PM	Tom Sisson, John Power, Matt Haney	The deep-crustal roots of arc stratovolcanoes illuminated by long-period seismicity caused by degassing and fluid-enhanced wallrock embrittlement
VO12A-3	3:00 PM - 3:15 PM	Huaiwei Ni	OH diffusion in basaltic and andesitic melts: implication for electrical signature of magma reservoirs
VO12A-4	3:15 PM - 3:30 PM	Ben Ellis, Dawid Szymanowski, Tomas Magna, Julia Neukampf, Olivier Bachmann, Peter Ulmer, Marcel Guillong	Post-eruptive behaviour of Li in volcanic rocks: implications for element cycling
VO12A-5	3:30 PM - 3:45 PM	Mike Burton, Antonio Chiarugi, Francesco D'Amato, Silvia Viciani, Manuel Queisser, Gayatri Marliyani, Ferian Anggara, Agung Harijoko	New constraints on volcanic CO2 emissions from Java, Indonesia
VO12A-6	3:45 PM - 4:00 PM	Mike Krawczynski, Maxim Gavrilenko, Philipp Ruprecht	Possible existence of deep super-hydrous arc magmas: implications from high-Mg amphibole
VO12A-7	4:00 PM - 4:15 PM	Paul Wallace, Kristina Walowski, Ellen Aster	Determining H2O and CO2 contents of basaltic arc magmas using melt inclusions: Diffusive H loss, shrinkage bubble formation, and the CO2 contents of primary melts
VO12A-8	4:15 PM - 4:30 PM	Marie Edmonds, Emily Mason, Alexandra Turchyn	Earth's exhaust pipe: understanding carbon budgets at arc volcanoes

VH12A: V.6 Volcanic ash and gas: Generation, transport and impacts on infrastructure, aviation, and climate II			
Monday August 14, 2017. 2:30 PM - 4:30 PM Room B114-115			
Abstract Number	Time	Authors	Title
VH12A-1	2:30 PM - 2:45 PM	Alexandros Poulidis, Tetsuya Takemi, Masato Iguchi, Ian Renfrew	Topographic and meteorological controls on the dispersal and deposition of volcanic ash
VH12A-2	2:45 PM - 3:00 PM	Alejandro Marti, Arnau Folch	Meteorological coupling on volcanic ash modeling: a first order source of error for operational volcanic forecast?
VH12A-3	3:00 PM - 3:15 PM	Adelina Geyer, Alex Marti, Arnau Folch, Santiago Giralt	Antarctic volcanoes: A remote but significant hazard
VH12A-4	3:15 PM - 3:30 PM	Eric Hughes, Nickolay Krotkov, Arlindo da Silva, Robert Hoffman, Tim Myers	Real-Time Modeling of Volcanic Clouds and their Application to Air Traffic Flow Algorithms
VH12A-5	3:30 PM - 3:45 PM	Eiichi Sato, Keiichi Fukui, Toshiki Shimbori, Kensuke Ishii, Tetsuo Tokumoto, Masayuki Maki, Masato Iguchi	Fine structure of volcanic ash plume observed by advanced weather radars
VH12A-6	3:45 PM - 4:00 PM	Martin Airey, Giles Harrison, Keri Nicoll, Paul Williams, Graeme Marlton	VolcLab: A balloon-borne instrument package to measure ash, gas, electrical, and turbulence properties of volcanic plumes
VH12A-7	4:00 PM - 4:15 PM	Catherine Hayer, Lucy Ventress, Elisa Carboni, Roy Grainger, Simon Carn	Satellite observations of atmospheric emissions from the April 2015 eruption of Calbuco volcano, Chile

VH12A-8 (invited)	4:15 PM - 4:30 PM	Clive Oppenheimer	Multiproxy evidence for timing and impact of medieval volcanic eruptions
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VH12B: V.7 Volcano geology and geological mapping as tools for unravelling volcanic history and long term hazards assessment II
Monday August 14, 2017. 2:30 PM - 4:30 PM Room B110-112

Abstract Number	Time	Authors	Title
VH12B-1 (invited)	2:30 PM - 3:00 PM	Wes Hildreth, Judy Fierstein	Constructing an Eruptive History Demands Detailed Mapping
VH12B-2	3:00 PM - 3:15 PM	Joel Robinson, Drew Downs	Integrating Technology and Geologic Mapping
VH12B-3	3:15 PM - 3:30 PM	Natalia Pardo, Bernardo Pulgarín, Valentina Betancourt, Federico Lucchi, Llerónimo Valencia	Volcano geological mapping at low-latitudes: successful application of Unconformity-bounded units at the Doña Juana Volcanic Complex, SW-Colombia
VH12B-4	3:30 PM - 3:45 PM	Stephen Kuehn, Eric Arrington, Jared Rose, James Frye, Savannah Ballengee, Addison Hostetler, Cameron McNeely	Pyroclastic eruptive history of the Three Sisters volcanic cluster, Cascade arc, Oregon, USA
VH12B-5	3:45 PM - 4:00 PM	Long Li, Longqian Chen, Lien Bakelants, Carmen Solana, Frank Canters, Matthieu Kervyn	Using vegetation recovery as a lava flow age indicator
VH12B-6	4:00 PM - 4:15 PM	Patricia Sruoga, Manuela Elissondo, Mario Rosas, Judy Fierstein, Bradley Singer, Nathan Andersen	CERRO BARRANCAS, LAGUNA DEL MAULE VOLCANIC FIELD, CHILE: eruptive stratigraphy and hazard assessment
VH12B-7	4:15 PM - 4:30 PM		Discussion

FT12A: VI.2 New approaches using statistical methods in volcanology I
Monday August 14, 2017. 2:30 PM - 4:30 PM Room B116

Abstract Number	Time	Authors	Title
FT12A-1 (invited)	2:30 PM - 2:45 PM	Juliet Biggs, Marie Edmonds, Brendan McCormick, Kilbride, Matthew Pritchard	Statistical and physical approaches to interpreting satellite observations of volcanic activity
FT12A-2	2:45 PM - 3:00 PM	Gabor Kereszturi, Jonathan Procter, Lauren N. Schaefer, Reddy Pullanagari, Stuart Mead, Ben Kennedy, Ian Yule	Airborne hyperspectral imaging for monitoring active volcanic system – Lithological and hydrothermal alteration mapping of the Upper Te Maari craters, Tongariro Volcanic Complex, New Zealand
FT12A-3	3:00 PM - 3:15 PM	Patrick Whelley, Stephen P. Scheidt, W. Brent Garry, Jacob Richardson, Christopher W. Hamilton, Jacob Bleacher	Comparison and fusion of ultra-high-resolution topographic data at Kīlauea volcano, Hawaii
FT12A-4	3:15 PM - 3:30 PM	Jonathan Lees, Daniel Bowman	Volcano Infrasound From the Stratosphere
FT12A-5 (invited)	3:30 PM - 3:45 PM	Mark Bebbington, Susanna Jenkins	So you have an eruption – how do you forecast what happens next?
FT12A-6	3:45 PM - 4:00 PM	Regis Rutarindwa, Elaine Spiller, Marcus Bursik, Andrea Bevilacqua	A probabilistic hazard mapping tool for the Long Valley volcanic region (CA, USA)
FT12A-7	4:00 PM - 4:15 PM	Jacob Richardson, James Wilson, Charles Connor, Aurelie Germa, Christopher Perry, Koji Kiyosugi	Volcanic Event Age Model: Consolidating multiple date models to estimate recurrence rate
FT12A-8	4:15 PM - 4:30 PM	Samantha Engwell, Melanie Duncan, Susan Loughlin, Andrew Tupper	Informing eruption source parameters from volcanic ash advisories

MT13A: I.1 Planetary volcanology II Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
MT13A-001	4:30 PM - 6:30 PM	David Leverington	Constraints on the nature of the effusive volcanic eruptions that incised Kasei Valles, Mars
MT13A-002	4:30 PM - 6:30 PM	Ashley Davies, Sarath Gunapala, David Ting, Sir Rafol, Alexander Soibel, Paul Hayne, Megan Blackwell, Michael Kelly	Measuring Lava Eruption Temperatures Remotely with a Novel Infrared Detector and Digital Readout Circuit: Implications for Observing Planetary Volcanism
MT13A-003	4:30 PM - 6:30 PM	Gabriel Eggers, James Wray, Josef Dufek	Feldspathic Rock on Mars: Compositional Mapping of Nili Patera, Syrtis Major
MT13A-004	4:30 PM - 6:30 PM	David Crown, Daniel Berman, Thomas Platz, Stephen Scheidt	Lava Flow Fields on the Western Flanks of Alba Mons, Mars
MT13A-005	4:30 PM - 6:30 PM	Daniel Miggins, Anthony Koppers	Look out 14C! Here comes high precision 40Ar/39Ar geochronology into the Holocene
MT13A-006	4:30 PM - 6:30 PM	Patrick McGovern	Intra- and Trans-(Impact)-Basin Igneous Provinces on the Terrestrial Planets
MT13A-007	4:30 PM - 6:30 PM	Amanda Stadermann, Christopher Hamilton, Catherine Neish	Mapping Lunar Impact Melt Around Giordano Bruno Crater

ME13A: II.6 Volcanism and magmatism under water or ice II Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
ME13A-008	4:30 PM - 6:30 PM	James Gill, Everton Bongiolo, Takashi Miyazaki, Martin Jutzeler, Cedric Hamelin, Ann-Sophie Jonas, Susan DeBari, Megan Yakavonis	Tuffaceous mud is a volumetrically important volcanoclastic facies of submarine arc volcanism
ME13A-009	4:30 PM - 6:30 PM	Jong-Hwa Chun, Yuri Kim	Tephra layers in deep-sea UBGH cores derived from submarine explosive volcanic eruptions at the South Korea Plateau, East Sea
ME13A-010	4:30 PM - 6:30 PM	Kenichiro Tani, Osamu Ishizuka, Iona McIntosh, Alexander Nichols, Yuka Masaki, Fumihiko Ikegami, Hirochika Sumino, Takashi Toyofuku	Oomurodash Volcano, northern Izu-Bonin Arc: Long term edifice growth under shallow sea environment and its potential hazards
ME13A-011	4:30 PM - 6:30 PM	Marek Awdankiewicz, Ryszard Kryza, Krzysztof Turniak, Maria Ovtcharova, Michael Wiedenbeck	CA-ID-TIMS ages and oxygen isotope signatures of zircons from the Sudetic Ophiolites – constraints on the origin of Palaeozoic oceanic domains in the Variscan Belt
ME13A-012	4:30 PM - 6:30 PM	Sarah Tapscott, Þorvaldur Þórðarson	Clast density comparison between the rooted cone tephra and the Grámelur rootless cone tephra of the Nesjahraun lava flow, Þingvellir, SW Iceland
ME13A-013	4:30 PM - 6:30 PM	Meagen Pollock, Benjamin Edwards, Chloe Wallace, Alex Hiatt, Sheila Seaman	Multiple pillow-forming eruptions under changing water/ice conditions revealed in an ancient pillow-dominated tindar in southwest Iceland
ME13A-014	4:30 PM - 6:30 PM	Michael Hudak, Ilya Bindeman	Extreme δD and $\delta^{18}O$ depletion of glass in Mt. Mazama pinnacles: Developing a snapshot paleoclimate tool using H and O isotopes in hot and cooling glass
ME13A-015	4:30 PM - 6:30 PM	David Zakharov, Ilya Bindeman	Triple oxygen systematics of hydrothermally altered rocks: A new tool in studying water-rock interaction
ME13A-016	4:30 PM - 6:30 PM	Ilya Bindeman	Ice burial by caldera collapse: Thermal and isotopic effects on hydration of volcanic glass
ME13A-017	4:30 PM - 6:30 PM	Carolyn Branecky, Tobias Keller, Peter Huybers, Wim Degruyter, Michael Manga	The relationship between deglaciation and volcanism in arc settings: the example of the Mount Mazama volcanic system, Crater Lake, Oregon
ME13A-018	4:30 PM - 6:30 PM	Jonathan Moles, Dave McGarvie, Sarah Sherlock, John Stevenson, Peter Abbott	Long-range tephra dispersal and ignimbrite emplacement from a large rhyolitic glaciovolcanic eruption
ME13A-019	4:30 PM - 6:30 PM	Tehnuka Ilanko, Tobias Fischer, Laura Crossey, Aaron Curtis, Philip Kyle, Hyunwoo Lee, Yuji Sano	Subnivean degassing in the summit area of Erebus volcano, Antarctica
ME13A-020	4:30 PM - 6:30 PM	Ian Skilling, David McGarvie	Jokulhlaup Deposition on Actively Inflating Subaerial Basaltic Lava Flows: A New Model for the Sida Formation, SE Iceland
ME13A-021	4:30 PM - 6:30 PM	Ben Edwards, Meagen Pollock, William Kochitzky, Ellen Was	Constraints on the evolution of glaciovolcanic pillow-dominated tindars from Iceland and British Columbia
ME13A-022	4:30 PM - 6:30 PM	Chris Conway, Graham Leonard, Dougal Townsend, Colin Wilson, Andrew Calvert, John Gamble, Shaun Eaves	Lava-ice interaction at Mount Ruapehu, New Zealand: implications for reconstructing glacier extents, edifice growth histories and magma flux rates at stratovolcanoes
ME13A-023	4:30 PM - 6:30 PM	Jodi M. Fox, Jocelyn McPhie, Rebecca J. Carey	Basaltic cryptodomes and daily records of phreatomagmatic eruption – Miocene submarine volcanism at Cape Grim, Tasmania, Australia

ME13B: II.7 Architecture of magmatic plumbing systems III Posters**Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A**

Abstract Number	Time	Authors	Title
ME13B-024	4:30 PM - 6:30 PM	Sara Rodríguez-Molina, María Charco, Ana M. Negro, Pablo J. González, Mike Poland, David A. Schmidt	Coupling the effects of conduit magma flow into a viscoelastic chamber to model volcano surface deformation: An application to Three Sisters volcano, Oregon, USA
ME13B-025	4:30 PM - 6:30 PM	Ashton Flinders, David Shelly, David Hill, Phillip Dawson, Yang Shen	Full-Wave Ambient Noise Tomography of the Long Valley Volcanic Region (California)
ME13B-026	4:30 PM - 6:30 PM	Freysteinn Sigmundsson, Vincent Drouin, Michelle Brandsdóttir, Stéphanie Dumont, Siqi Li, Andrew Hooper, Benedikt G. Ofeigsson, Sigrun Hreinsdóttir, Halldor Geirsson, Pall Einarsson, Magnus Tumi Gudmundsson, Kristin Jonsdóttir, Kristin Vogfjörð, Saemundur Ari Halldorsson, Olgeir Sigmarrson, Sigurdur H. Markusson, Knutur Arnason, Lea Levy, Gylfi Pall Hersir, Martyn Unsworth, Rikke Pedersen, Erik Sturkell, Bryndis Brandsdóttir, Kristjan Agustsson, Elias Rafn Heimisson	Magma domain models of Icelandic volcanoes: Reconciling volcano geodesy with multidisciplinary constraints
ME13B-027	4:30 PM - 6:30 PM	Brandon Chiasera	Magmatically assisted off-rift extension – a study of the Galema range
ME13B-028	4:30 PM - 6:30 PM	Ashton Flinders	Seismic evidence for a possible deep crustal hot zone beneath Southwest Washington
ME13B-029	4:30 PM - 6:30 PM	Weston Thelen, Seth Moran, David Shelly	The Cascade Volcanoes Are Alive With The Sound of Earthquakes
ME13B-030	4:30 PM - 6:30 PM	Karen Harpp, Darin Schwartz, Emily Wilson, Maggie McGuire, Zachary Cleary, Jake Mahr, Regina Pimentel, Rita Van Kirk, Hannah Bercovici, Eric Mittelstaedt, Mark Kurz, Dennis Geist	The Evolution of Galapagos Volcanoes
ME13B-031	4:30 PM - 6:30 PM	Ben Heath, Emilie Hooft, Doug Toomey, Joanna Morgan, Costas Papazachos, Paraskevi Nomikou, Michael Warner	Upper crustal structure of Santorini Volcano and the surrounding region from dense, active-source seismic data
ME13B-032	4:30 PM - 6:30 PM	Halldor Geirsson, Nicolas d'Oreye, Adriano Nobile, Benoît Smets, François Kervyn	Volcano-tectonic deformation in the Kivu Region, Central Africa, observed by continuous GNSS observations of the Kivu Geodetic Network (KivuGNet) and InSAR time series analysis

ME13B-033	4:30 PM - 6:30 PM	Cindy Mora-Stock, Luca De Siena, Roberto Guardo, Gonzalo Carreño	3D Attenuation Tomography at Villarrica volcano (Chile): Preliminary Results
ME13B-034	4:30 PM - 6:30 PM	John M. Londono, Hiroyuki Kumagai	4D seismic tomography for Nevado del Ruiz Volcano, Colombia. 2000-2016
ME13B-035	4:30 PM - 6:30 PM	T. Dylan Mikesell, Jordan Bishop, Luis Franco Marin, Jonathan Lees, Berk Biryol, Rebecca Rodd	A seismic look at the internal structure of Llaima Volcano, Chile
ME13B-036	4:30 PM - 6:30 PM	Dini Nurfiani, Anna Foster, Wang Xin, Hendra Gunawan, Dannie Hidayat, Wei Shengji, Benoit Taisne, Caroline Bouvet	Combining petrologic and seismic studies to constrain magma storage conditions beneath Marapi volcano, West Sumatra, Indonesia
ME13B-037	4:30 PM - 6:30 PM	Tomoki Tsutsui, Masato Iguchi, Takeshi Tameguri, Haruhisa Nakamichi	Evolving seismic reflectors and magma supply system in Sakurajima Volcano and Aira Caldera, Japan
ME13B-038	4:30 PM - 6:30 PM	Federica Lanza, Clifford H. Thurber, Ellen M. Syracuse, Abhijit Ghosh, John Power	High-resolution seismic velocity structure of Makushin Volcano, Alaska
ME13B-039	4:30 PM - 6:30 PM	Winchelle Ian Sevilla, Christian Joseph Clarito, April Angelique Dominguiano, Allan Loza, Paolo Reniva, Juan Cordon, Lawrence Aaron Banes, Ricardo Seda	Imaging the seismic velocity structure under Taal Volcano, Philippines
ME13B-040	4:30 PM - 6:30 PM	Alicia Hotovec-Ellis, David Shelly, David Hill, Andrew Pitt, Phillip Dawson, Bernard Chouet	Investigating the relationship between deep long-period and deep high frequency seismicity at Mammoth Mountain, California, 2012 – 2014
ME13B-041	4:30 PM - 6:30 PM	Carl Ulberg, Kenneth Creager, Seth Bachmann, Geoffrey Abers, Kayla Crosbie, Robert Crosson, Roger Denlinger, Weston Thelen, Steven Hansen, Brandon Schmandt, Eric Kiser, Alan Levander, Olivier Bachmann	Local Earthquake Tomography at Mount St. Helens with the iMUSH Broadband Array
ME13B-042	4:30 PM - 6:30 PM	Ninfa Bennington, Paul Bedrosian, Matthew Haney, Kerry Key	Magnetotelluric and Seismic Investigations of Magma Storage Beneath Okmok Volcano, Alaska
ME13B-043	4:30 PM - 6:30 PM	Kathrin Laeger, Armin Freundt	Post-glacial magma storage conditions at Laguna del Maule, Chile
ME13B-044	4:30 PM - 6:30 PM	Ahmad Basuki, Dannie Hidayat, Hendra Gunawan	Preliminary results 3D local earthquake tomography at Gede Volcano, West Java, Indonesia
ME13B-045	4:30 PM - 6:30 PM	John Murray	Recent inflation at Masaya volcano, Nicaragua
ME13B-046	4:30 PM - 6:30 PM	Naoki Araya, Michihiko Nakamura, Satoshi Okumura, Atsushi Yasuda	Repeated Plinian eruptions from the shallow thick conduit in Sakurajima Volcano
ME13B-047	4:30 PM - 6:30 PM	Clifford Thurber, Crystal Westpestad, Carlos Cardona, Bethany Vanderhoof, Ninfa Bennington, Xiangfang Zeng, Federica Lanza, Katie Keranen	Seismic investigation of the rhyolitic magma system beneath the Laguna del Maule volcanic field, Chile
ME13B-048	4:30 PM - 6:30 PM	Sergey Samoylenko, Natalia Gorbach	Shallow magma chamber beneath Young Shiveluch volcano (Kamchatka): preliminary results of physical modeling
ME13B-049	4:30 PM - 6:30 PM	Ryan Lloyd, Juliet Biggs, Yelebe Birhanu	Sustained Uplift at a Continental Rift Caldera
ME13B-050	4:30 PM - 6:30 PM	Shin Sato, Masao Ban, Yuki Nishi, Teruki Oikawa, Seiko Yamasaki	Temporal change of magma plumbing system in flourish time of Zao volcano, NE Japan
ME13B-051	4:30 PM - 6:30 PM	Kendall Wnuk, Christelle Wauthier	Temporal evolution of magma sources and surface deformation at Pacaya Volcano, Guatemala revealed by InSAR
ME13B-052	4:30 PM - 6:30 PM	Chris Moore, Tim Wright, Andy Hooper, Juliet Biggs, Talfan Barnie	The 2017 eruption of Erta Ale, Afar, Ethiopia: Insights from Satellite Geodesy
ME13B-053	4:30 PM - 6:30 PM	Baptiste Haddadi, Olgeir Sigmarsson, Marion Carpentier, Gudrun Larsen	The magma system of Grímsvötn volcano and eruption magnitudes
ME13B-054	4:30 PM - 6:30 PM	Margaret Glasgow	Upper crustal long period microseismicity at Mount St. Helens during volcanically inactive period
ME13B-055	4:30 PM - 6:30 PM	Aline Peltier, Jean-Luc Froger, Nicolas Villeneuve, Thibault Catry, Allan Derrien, Sergey Samsonov, Wanpeng Feng, Halldor Geirsson, Nicolas d'Oreye	Using ground, airborne and spaceborne methods to retrieve magma paths at Piton de la Fournaise (La Réunion Island)
ME13B-056	4:30 PM - 6:30 PM	Constance Ozimek, Leif Karlstrom	A Thermo-mechanical-chemical magma chamber forward model for the prediction of eruptive cycles and chemical evolution
ME13B-057	4:30 PM - 6:30 PM	Colin Wilson, Elliot Swallow, Bruce Charlier, John Gamble	Diverse and contrasting mafic influences on the magmatic systems of the 2.08 Ma Huckleberry Ridge eruption, Yellowstone
ME13B-058	4:30 PM - 6:30 PM	Mitsuhiro Nakagawa, Akiko Matsumoto, Takeshi Hasegawa, Fukashi Maeno	Diversity and origin of large silicic magma system: Comparative petrological studies of recent caldera-forming eruptions in Japan
ME13B-059	4:30 PM - 6:30 PM	Jakub Sliwinski, Olivier Bachmann, Marcel Guillong, Matthew Zimmerer, Peter Lipman	Geochemical and geochronological comparison of cogenetic crystal-rich dacites and crystal-poor rhyolites in the Southern Rocky Mountain Volcanic Field, CO
ME13B-060	4:30 PM - 6:30 PM	Gregor Hahn, Mike Branney, Philip Leat	Geochemical fingerprinting and the correlation of welded ignimbrites: A case study from the nested calderas of the Borrowdale Volcanic Group, U.K.
ME13B-061	4:30 PM - 6:30 PM	Akihiko Tomiya, Yoshihiko Goto, Tohru Danhara, Shanaka de Silva	Magmatic conditions and preeruptive magma processes of the catastrophic eruption of high-silica rhyolite from Toya caldera, Japan
ME13B-062	4:30 PM - 6:30 PM	Yasuhiro Yanagida, Michihiko Nakamura, Atsushi YASUDA, Takeyoshi YOSHIDA	Melt inclusions in amphibole-bearing gabbroic xenoliths from the Ichinomegata maar, NE Japan: Snapshot of hydrous arc magma differentiation in the deep crust
ME13B-063	4:30 PM - 6:30 PM	Alexandre Carrara, Alain Burguisser	Numerical simulations of silicic magmatic chamber reawakening and mixing
ME13B-064	4:30 PM - 6:30 PM	Tyler Schlieder, Kari Cooper, Richard Bradshaw, Adam Kent, Christian Huber	Quantifying thermal history for the 1980-86 and 2004-05 eruptions of Mount St. Helens, USA
ME13B-065	4:30 PM - 6:30 PM	Tanis Leonhardi, Kenneth Befus, Michael Manga, Nobumichi Tamura	Residual Stresses in Zircon from Bishop Tuff Record Volcanic Stresses

ME13B-066	4:30 PM - 6:30 PM	Hillarie J. Sales, Martin J. Streck, William C. McIntosh	Spectacular co-eruption of crystal-poor rhyolite and Fe-rich andesite and its implication for mafic underpinnings to voluminous A-type rhyolites: The Wildcat Creek Tuff, eastern Oregon
ME13B-067	4:30 PM - 6:30 PM	Kevin Schrecengost, Kari Cooper, Philipp Ruprecht, Adam J.R. Kent, Christian Huber	Storage and Rejuvenation of Large Homogenous Dacitic Eruptions: a case study from the 1846/47 and 1932 Eruptions of Volcán Quizapu, Chile
ME13B-068	4:30 PM - 6:30 PM	Emily Salings, Gary Michelfelder, Shannon Rentz	The Bloodgood Canyon Tuff, Mogollon-Datil Volcanic Field, New Mexico: Relic of Thermal Destabilization in a Crystal Mush
ME13B-069	4:30 PM - 6:30 PM	Barbara Ratschbacher, C. Brenhin Keller, Blair Schoene, Scott Paterson, Lawford Anderson, David Okaya, Keith Putirka, Rachel Lippoldt	Time scales of construction and compositional evolution of a bimodal shallow crustal magma reservoir and implications for differentiation in the upper crust
ME13B-070	4:30 PM - 6:30 PM	Rebecca L. Astbury, Maurizio Petrelli, Daniele Morgavi, Chiara Maria Petrone, Diego Perugini	Using compositional zoning and chaotic mixing experiments to constrain timescales of plumbing system dynamics: Soufrière Hills Volcano, Montserrat
ME13B-071	4:30 PM - 6:30 PM	Stephen Pansino, Benoit Taisne	Communicating through stress, in the intimacy of a dynamic magmatic system
ME13B-072	4:30 PM - 6:30 PM	Frank Gulstrand, Steffi Burchardt, Erwan Hallot, Olivier Galland	Dynamics of Surface Deformation Induced by Dike and Cone Sheet Emplacement in a Cohesive Coulomb Brittle Crust
ME13B-073	4:30 PM - 6:30 PM	Filip Tomek, Jiří Žák, Martin Svojtka, Friedrich Finger, Michael Waitzinger, Vladislav Rappich	Emplacement dynamics of syn-collapse ring dikes: an example from the Altenberg-Teplice caldera, Bohemian Massif
ME13B-074	4:30 PM - 6:30 PM	Stuart Kenderes	Exploring the thermal effects of country rock type on the mobility of magma through conduits
ME13B-075	4:30 PM - 6:30 PM	Katie Ardill, Scott Paterson, Valbone Memeti, Jonathan Stanback, Sabrina Green, Evelyn Gutierrez	Hypabyssal porphyry intrusions across the central Sierra Nevada: characterizing vertical links between focusing plutonic and volcanic fields
ME13B-076	4:30 PM - 6:30 PM	Nicolas Le Corvec, Thierry Menand, Jean-Luc Froger, Valérie Cayol	Incremental growth of magma reservoirs: Insights on the room problem through the use of finite element models
ME13B-077	4:30 PM - 6:30 PM	Ben Rogers, Håvard S. Bertelsen, Olivier Galland	Magma intrusion in viscoelastic media: a laboratory model of coeval brittle and ductile deformation
ME13B-078	4:30 PM - 6:30 PM	Jozua van Otterloo, Alexander R. Cruden	Magma pathways in interconnected multi-dyke and sill systems
ME13B-079	4:30 PM - 6:30 PM	Erika Ronchin, Steffi Burchardt, Tobias Mattsson, Christoph Hieronymus	Modeling of magma emplacement processes during laccolith growth
ME13B-080	4:30 PM - 6:30 PM	Steffi Burchardt, Octavio Palma, Olivier Galland, Karen Mair, Dougal Jerram	Syn-emplacement ductile/brittle deformation within the Cerro Bayo laccolith, Chachahuén volcano, Argentina
ME13B-081	4:30 PM - 6:30 PM	Hugh Tuffen, Ellen McGowan, Mike James	Rhyolitic dyke evolution from pyroclastic pathways to dense magmatic plugs
ME13B-082	4:30 PM - 6:30 PM	Tobias Schmiedel, Olivier Galland, Christoph Breitkreuz	The control of host rock strength on sill and laccolith emplacement: insights from quantitative laboratory models
ME13B-083	4:30 PM - 6:30 PM	Volkhard Spiess, Lena Steinmann, Marco Sacchi, Giuseppe De Natale, - MagellanPlus Workshop participants	Understanding the dynamics of an active caldera at the land-sea interface: Strategies for an amphibious IODP/ICDP drilling initiative at the Campi Flegrei caldera

ME13C: II.10 A tribute to the life and work of Jon Davidson (1959-2016) III Posters**Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A**

Abstract Number	Time	Authors	Title
ME13C-085	4:30 PM - 6:30 PM	Kate Saunders, Ester Jolis, Duncan Muir, Valentin Troll, Frances Deegan, David Hilton, Chris Harris	Petrogenesis of Sumatran Andesite volcanoes
ME13C-086	4:30 PM - 6:30 PM	Wendy Bohrsen, Frank Spera	Rejuvenation of Crustal Magma Mush: Constraints on Multiply Nested Processes and Timescales
ME13C-087	4:30 PM - 6:30 PM	Madalena Blum-Oeste, Gerhard Wörner	Tracing magma components in mineral compositions from lavas of the Central Andes
ME13C-088	4:30 PM - 6:30 PM	Richard Price, Shane Cronin, Ian Smith, Anke Zernack	Insights into amphibole-fractionation during early subduction-related volcanism of the Taranaki volcanic lineament, North Island, New Zealand
ME13C-089	4:30 PM - 6:30 PM	Shelby Isom, Erik Shafer, Martin Streck, Ilya Bindeman	The voluminous, low $\delta^{18}O$, and strongly trace element zoned high-silica rhyolite reservoir of the Devine Canyon Tuff, eastern Oregon: Reality check for the mush model
ME13C-090	4:30 PM - 6:30 PM	Mark Reagan, Heather Handley, Ralf Gertisser, Michael Turner, Kim Berlo, Katie Preece	U-series evidence for ongoing skarnification beneath Merapi Volcano, Indonesia
ME13C-091	4:30 PM - 6:30 PM	Marco Viccaro, Marisa Giuffrida, Luisa Ottolini	Ultra-fast sin-eruptive degassing and ascent of Etna magmas from Li gradients in plagioclase
ME13C-092	4:30 PM - 6:30 PM	Meredith Cole, Emily Johnson, Frank Ramos, Andrew Calvert	Evaluating Subduction Component Contributions in the Cascades: Melt Inclusion Volatile Contents and Compositions, and Whole-rock Isotopic Compositions of Cinder Cones in California and Southern Oregon
ME13C-093	4:30 PM - 6:30 PM	John A. Wolff, Frank C. Ramos, Corey Dimond	Melt inclusion and single crystal isotopic record of a large rhyolitic magma system between two super-eruptions
ME13C-094	4:30 PM - 6:30 PM	Michael Garcia, Kendra Lynn, Aaron Pietruszka, Jared Marske, J. M. Rhodes	Using the Jon Davidson Approach for Deciphering Magmatic Processes during the Ongoing Eruption of Kilauea Volcano, Hawaii
ME13C-095	4:30 PM - 6:30 PM	Eva Hartung, Luca Caricchi, David Floess, Davide Roggero, Simon Wallis, Satoru Harayama	Linking plutonic and volcanic realms using plagioclase chemistry: Insights from the Takidani Pluton and the Nyukawa-Chayano-Ebisutoge volcanics (Central Japan)
ME13C-096	4:30 PM - 6:30 PM	Joseph R. Boro, Owen K. Neill, John A. Wolff, Frank C. Ramos, Corey A. Dimond	Diffusion modeling of Ti-in-quartz from the Bandelier Tuff and Cerro Toledo Formation, Valles caldera, Jemez Mountains, New Mexico, USA
ME13C-097	4:30 PM - 6:30 PM	Frank Tepley	The development of isotopic microsampling at the Los Angeles Volcano Observatory (LAVO)
ME13C-098	4:30 PM - 6:30 PM	Marit van Zalinge, Steve Sparks, Darren Mark, Frances Cooper	Petrogenesis and temporal evolution of the 21.9 Ma large-volume Cardones ignimbrite, Central Andes; implications for a complex magma-mush system

ME13C-099	4:30 PM - 6:30 PM	David Neave, Olivier Namur, François Holtz	The effect of mantle-derived variability on the mineralogy of primitive basalts: Experimental constraints from Icelandic systems
ME13C-100	4:30 PM - 6:30 PM	Olgeir Sigmarsson, Gaelle Mollex	Short magma mixing timescales before and during the Eyjafjallajökull 2010 eruption
ME13C-101	4:30 PM - 6:30 PM	Mary Reid, Fidel Costa	Insights Into Intracontinental Basaltic Magma Sources, Transport, and Storage

PE13A: III.5 Processes leading to monogenetic volcanism III Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
PE13A-102	4:30 PM - 6:30 PM	Fanghui Deng, Charles Connor, Rocco Malservisi, Laura Connor, Jeremy White, Aurélie Germa	A numerical model for the origin of vent clusters in a Colorado Plateau volcanic field
PE13A-103	4:30 PM - 6:30 PM	Benjamin Latutrie, Pierre-Simon Ross, James DL White	Bedded to non-bedded transition at Round Butte diatreme, Hopi Buttes volcanic field, Arizona
PE13A-104	4:30 PM - 6:30 PM	Francisco J Nuñez-Cornu, Juan I Pinzon-Lopez, Charlotte Rowe	Magma intrusion between Paricutin Volcano and Tancitaro Volcano: Evidence from seismic analysis
PE13A-105	4:30 PM - 6:30 PM	Marie-Noelle Guilbaud	Magmatic controls on monogenetic activity in a continental arc: Insights from a geochemical study at the trenchward margin of the Michoacán-Guanajuato Volcanic Field (México)
PE13A-106	4:30 PM - 6:30 PM	Luis E. Lara, Lucy M. McGee	Small eruptive centres are decoupled from arc volcanoes in the Southern Andes
PE13A-107	4:30 PM - 6:30 PM	Heather Handley, Lucy McGee, Rosa Didonna, Karoly Németh, Rebecca Griffis, Michael Turner	Multiple vent eruptions at monogenetic volcanoes: Waitomokia volcano, Auckland Volcanic Field, New Zealand
PE13A-108	4:30 PM - 6:30 PM	Jenni L Hopkins, Graham Leonard, Colin J N Wilson, Marc-Alban Millet, Christian Timm, Lucy E McGee	Reconstructing the evolution of the monogenetic Auckland Volcanic Field, New Zealand, using a multi-criteria approach to correlate tephra deposits to their source centres
PE13A-109	4:30 PM - 6:30 PM	Darin Schwartz, Dorsey Wanless, Adam Soule, Meghan Jones, Daniel Fornari	Petrogenesis of Interisland Seamounts in the Galápagos Archipelago
PE13A-110	4:30 PM - 6:30 PM	Wes Hildreth, Judy Fierstein	Simcoe Mountains Intraplate Volcanic Field East of the Cascades
PE13A-111	4:30 PM - 6:30 PM	Pooja Kshirsagar, Karoly Nemeth, Raúl Miranda-Avilés	Structural control of an eroded mafic alkali monogenetic volcanic field associated with flood basalt volcanism: Central Kachchh (NW Deccan Traps of India)
PE13A-112	4:30 PM - 6:30 PM	Nathalie Lefebvre, Juanita Rausch, David Jaramillo, Michael Ort, Hannes Mattsson	Textural and morphological studies of juvenile pyroclasts from the Ukinrek maars, Alaska: Insights into variation in eruption style of mafic monogenetic volcanoes
PE13A-113	4:30 PM - 6:30 PM	Karen Bemis	Why craters exist: an exploration of scoria cone construction
PE13A-114	4:30 PM - 6:30 PM	Benjamin van Wyk de Vries, Catherine Lit	Eruption dynamics and landform development – an 8,000 year old record of landscape reaction to a trachytic monogenetic eruption

PE13B: III.6 Linking monitoring data with volcanic processes III Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
PE13B-115	4:30 PM - 6:30 PM	Karen Pascal	22 years of volcano-deformation monitoring at Soufrière Hills Volcano, Montserrat
PE13B-116	4:30 PM - 6:30 PM	Ailsa Naismith, Matthew Watson, Gustavo Chigna, Helen Thomas, Kerstin Stebel, Robyn Brailey	Using Multiple Datasets to Characterise the Recent Eruptive Activity of Volcán de Fuego, Guatemala
PE13B-117	4:30 PM - 6:30 PM	Akiko Tanaka, Paul Lundgren	Source model for Kuchinoerabujima volcano, Japan, constrained by interferometric synthetic aperture radar observations
PE13B-118	4:30 PM - 6:30 PM	Salvatore Giammanco, Pietro Bonfanti, Alessandro Bonforte, Francesco Guglielmino	The "Salinelle" mud volcanoes at Mt. Etna (Sicily, Italy) periphery: possible correlation between local ground deformation and gas flux
PE13B-119 (invited)	4:30 PM - 6:30 PM	Ugan Saing	The first permanent Multi-GAS stations in Indonesia: monitoring hydrothermal gas emissions from Timbang and Sileri craters (Dieng Volcanic Complex, Central Java), May 2013 – March 2017
PE13B-120	4:30 PM - 6:30 PM	Yang Liao, David Bercovici, Mark Jellinek	Magma wagging & whirling in volcanic conduits, and their seismic signatures
PE13B-121	4:30 PM - 6:30 PM	Evelyn Roeloffs, Joshua P. Jones	The March 30, 2014 Mw4.8 earthquake near Norris Geyser Basin, Yellowstone National Park: Co- and post-seismic deformation from Plate Boundary Observatory borehole strainmeters
PE13B-122	4:30 PM - 6:30 PM	Xueming Xue, Jeffrey Freymueller	An unscented Kalman filter combining GPS and InSAR for time-dependent modeling of volcanic deformation
PE13B-123	4:30 PM - 6:30 PM	David Arnold, Juliet Biggs, Silvia Vallejo Vargas, Kyle Anderson, Geoff Wadge, Susanna Ebmeier, Patricia Mothes	Lava extrusion rate and magma supply rate at El Reventador Volcano, Ecuador
PE13B-124	4:30 PM - 6:30 PM	Robin Matoza, Arthur Jolly, David Fitzgerald, Richard Johnson, Bernard Chouet, Phillip Dawson, Geoff Kilgour, Bruce Christenson, Esline Garaebiti, Alex Iezzi, Allison Austin, Ben Kennedy, Rebecca Fitzgerald, Nick Key	Seismo-acoustic wavefield of strombolian explosions at Yasur volcano, Vanuatu using a broadband seismo-acoustic network, infrasound arrays, and infrasonic sensors on tethered balloons
PE13B-125	4:30 PM - 6:30 PM	María Asensio-Ramos, Cecilia Amonte, Marta García, Gladys Melián, Fátima Rodríguez, Mar Alonso, Rubén García-Hernández, Ernesto García, Verónica Vela, Pedro A. Hernández, Nemesio Pérez	Surface geochemical network to monitor diffuse degassing for the volcanic surveillance of the oceanic active volcano island of Tenerife, Canary Islands

PE13B-126	4:30 PM - 6:30 PM	Jean Soubestre, Nikolai Shapiro, Léonard Seydoux, Julien de Rosny, Dimitry Droznin, Svetlana Droznina, Sergey Senyukov, Evgeny Gordeev	Detecting seismo-volcanic signals and classifying volcanic tremor sources at the Klyuchevskoy volcanic group (Kamchatka) from the seismic network covariance matrix analysis
PE13B-127	4:30 PM - 6:30 PM	Thy P. Do, Maurizio Battaglia	dMODELS: A software package for modeling volcanic deformation
PE13B-128	4:30 PM - 6:30 PM	Alexander Steele, Christopher Kilburn, Agust Gudmundsson	Unrest and Eruption at Large Calderas: Campi Flegrei, Southern Italy
PE13B-129	4:30 PM - 6:30 PM	Taishi Yamada, Hiroshi Aoyama	A numerical study on the onset of explosion earthquakes
PE13B-130	4:30 PM - 6:30 PM	Estelle Bonny, Þorvaldur Þórðarson, Robert Wright, Ármann Höskuldsson, Ingibjörg Jónsdóttir	What can the synergy of satellite- and ground-based measurements tell us about eruption processes: case study of the 2014-15 eruption at Holuhraun, Iceland
PE13B-131	4:30 PM - 6:30 PM	Kim Berlo, Vincent van Hinsberg, Pak Suparjan, Bambang Heri Purwanto, Hendra Gunawan, Sri Budhi Utami, Bassam Ghaleb	Gypsum at Kawah Ijen: a record of degassing in a crater lake
PE13B-132	4:30 PM - 6:30 PM	Ingrid Johanson, Asta Miklius, Michael Poland	Unraveling the contributions of multiple sources during a 2015 intrusive sequence at Kilauea Volcano
PE13B-133	4:30 PM - 6:30 PM	Adriano Nobile, Nicolas d'Oreye, Benoît Smets, Halldor Geirsson, Francois Kervyn de Meerendre	Deep and Shallow Magma Plumbing system interactions at Nyamulagira volcano, Central Africa, revealed by high temporal resolution InSAR time series and GPS
PE13B-134	4:30 PM - 6:30 PM	Taketo Shimano, Masato Iguchi, Setsuya Nakada, Yuki Suzuki, Fukashi Maeno, Mitsuhiro Yoshimoto, Akhmad Zaennudin, Natsumi Hokanishi	Detection of transition in eruption style by spectrophotometric colorimetry of time-series ash samples during long-lasting eruptions
PE13B-135	4:30 PM - 6:30 PM	John Power, Diana Roman, John Lyons, Matt Haney	Seismic and Infrasonic Observations of Mount Cleveland, Alaska: An Open Vent Volcano in the Central Aleutian Arc – August 2015 to July 2016
PE13B-136	4:30 PM - 6:30 PM	Brian James Aggangan, Teresito Bacolcol	Revisiting the Ground Deformation of Mayon Volcano during the 2004 and 2009 Eruptions using GPS
PE13B-137	4:30 PM - 6:30 PM	James Hickey, Ryan Lloyd, Juliet Biggs, David Arnold, Patricia Mothes, Cyril Muler	What's causing asymmetric flank deformation at Tungurahua volcano, Ecuador?
PE13B-138	4:30 PM - 6:30 PM	Antonina Calahorrano-Di Patre, Glyn Williams-Jones, Maurizio Battaglia, Patricia Mothes, Silvana Hidalgo, Santiago Aguaiza, Francisco Mejía, Helen Gaunt	Linking Gravity Change at Cotopaxi Volcano with the Volcanic Processes Responsible for the 2015-2016 Period of Unrest
PE13B-139	4:30 PM - 6:30 PM	Fabio Manta, Benoit Taisne	Open window into an Open system: a Bayesian approach for model validation
PE13B-140	4:30 PM - 6:30 PM	Francisco Delgado, Matthew Pritchard	Renewed post-eruptive uplift following the 2011-2012 rhyodacitic eruption of Cordón Caulle (Southern Andes, Chile): evidence for transient episodes of magma reservoir recharge
PE13B-141	4:30 PM - 6:30 PM	Bhuvan Varugu, Falk Amelung	InSAR revealed deformation at Mauna Loa and inflation-earthquake interaction
PE13B-142	4:30 PM - 6:30 PM	Anna Perttu, Benoit Taisne, Dorianne Tailpied	Regional Infrasonic Detection Capability for Southeast Asian Volcanoes
PE13B-143	4:30 PM - 6:30 PM	Mel Rodgers, Patrick J. Smith, Tamsin A. Mather, David M. Pyle	The July 2008 Vulcanian Explosion of Soufrière Hills Volcano, Montserrat: Using seismicity to investigate pre-eruption processes during quiescent-explosive transitions
PE13B-144	4:30 PM - 6:30 PM	Wataru Kanda, Yasuo Matsunaga, Takao Koyama	Geomagnetic evidence for the episodic fluid intrusion associated with the 2014 unrest of Kusatsu-Shirane volcano, Japan
PE13B-145	4:30 PM - 6:30 PM	Akiko Matsumoto, Mitsuhiro Nakagawa, Masato Iguchi	Petrological monitoring of eruptive activity since AD 2006 at Sakurajima volcano, Southern Kyushu, Japan: Implication of the activation in AD 2015

PE13C: III.7 Combining geological data and numerical simulations for understanding the eruption dynamics and depositional processes II Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
PE13C-146	4:30 PM - 6:30 PM	Domenico Doronzo, Joan Marti, Silvina Guzman	A thermo-mechanical model of high-grade ignimbrites at the Coranzuli volcanic complex, Argentina
PE13C-147	4:30 PM - 6:30 PM	Julia Eychenne, Alison Rust, Katharine Cashman, Wolfram Wobrock	Distal enhanced sedimentation from volcanic plumes: insights from the secondary mass maxima in the 1992 Mount Spurr fallout deposits
PE13C-148	4:30 PM - 6:30 PM	Daniel Woodell, Martin Schöpfer, Bernhard Grasemann	Distinct Element Method (DEM) numerical models of restless calderas
PE13C-149	4:30 PM - 6:30 PM	Matthew Sweeney, Greg Valentine	Impact zone dynamics of polydisperse multiphase jets and their implications for the initial conditions of pyroclastic density currents and their subsequent deposits
PE13C-150	4:30 PM - 6:30 PM	Francisco Váscónez, Daniel Sierra, Daniel Andrade, Emilia Salto, Patricio Ramón, Patricia Mothes	Morphology of Cotopaxi volcano's crater (Ecuador) before and after the 1877 major eruption and its potential influence in future eruptive scenarios
PE13C-151	4:30 PM - 6:30 PM	Matteo Cerminara, Stella V. Paronuzzi Ticco, Tomaso Esposti Ongaro	Reconstructing sub-Plinian eruption dynamics by combining field observations, remote sensing data and three-dimensional numerical simulations: the case of April 2015 Calbuco (Chile) eruption
PE13C-152	4:30 PM - 6:30 PM	Johanand Gilchrist	Sediment Waves in Analog Experiments Simulating Explosive Eruption Columns
PE13C-153	4:30 PM - 6:30 PM	Federica Pardini, Mike Burton, Fabio Arzilli, Giuseppe La spina	SO ₂ fluxes from explosive eruptions: a novel numerical approach based on satellite images applied to the Calbuco 2015 eruption
PE13C-154	4:30 PM - 6:30 PM	Matthieu Poret, Antonio Costa, Stefano Corradini, Luca Merucci, Daniele Andronico, Gianfranco Vulpiani, Simona Scollo, Antonio Cristaldi	Tephra dispersal and fallout reconstructed integrating field, ground-based Radar and satellite data: Application to the 23 November 2013 Etna paroxysm

VO13A: IV.5 The role of volatiles in volcanic systems of the Earth's lithosphere II Posters**Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A**

Abstract Number	Time	Authors	Title
VO13A-155	4:30 PM - 6:30 PM	Craig Lundstrom	A new view of magmatic water in silicic plutonic-volcanic systems
VO13A-156	4:30 PM - 6:30 PM	Morgan Haldeman, Thorvaldur Thordarson, Enikő Bali, Steven Carey	Degassing-induced crystallization as a proxy for pressure in subaerial and submarine basaltic glassy selvages
VO13A-157	4:30 PM - 6:30 PM	Richard Fiske, Benjamin Andrews, Alex R. L. Nichols	Exceptionally energetic pyroclastic-fall eruptions at Kilauea Volcano, Hawai'i, ca 900 CE. Evidence for jet-driven events
VO13A-158	4:30 PM - 6:30 PM	Brent Poe, Antonio Pasculli	Point defect equilibria in nominally anhydrous minerals: DFT nudged elastic band calculations
VO13A-159	4:30 PM - 6:30 PM	Philippe Robidoux, Maria Luce Frezzotti, Erik H. Hauri, Alessandro Aiuppa	Shrinkage bubbles: the C-O-H-S magmatic fluid system
VO13A-160	4:30 PM - 6:30 PM	Allan Lerner, Paul Wallace, Carl Thornber, Peter Kelly, Michelle Coombs, Charles Mandeville	Investigating the connection between sulfur degassing and the oxidation state of melt at Mount St. Helens, Washington, and Augustine Volcano, Alaska
VO13A-161	4:30 PM - 6:30 PM	Alejandra Gomez-Ulla, Marie Edmonds, Olgeir Sigmarsson, Maria Jose Huertas, Eumenio Ancochea	Volatile elements in Lanzarote melt inclusions and their mantle source heterogeneity caused by recycling of mafic lithologies

VH13A: V.6 Volcanic ash and gas: Generation, transport and impacts on infrastructure, aviation, and climate III Posters**Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A**

Abstract Number	Time	Authors	Title
VH13A-162	4:30 PM - 6:30 PM	Claire Cooper, Graeme Swindles, Ivan Savov, Anja Schmidt	Volcano-Climate Interactions in the Holocene: The Effect of Deglaciation on Volcanic Eruption Frequency
VH13A-163	4:30 PM - 6:30 PM	Kuniaki Nishiki, Naomi Nagata, Hiromichi Kanai, Ryuta Furukawa	Estimation methods for the initial population of plinian fall deposits: A case study of the Ta-a and Ta-c2 tephra from Tarumai volcano, southwestern Hokkaido, Japan
VH13A-164	4:30 PM - 6:30 PM	Kazutaka Mannen	Development of vt; a new simulation code to describe pyroclastic fall deposit from bending eruption column under windy condition
VH13A-165	4:30 PM - 6:30 PM	Tony Hurst, Cory Davis, Natalia Deligne	Handling uncertainties in volcanic ash forecasts from HYSPLIT atmospheric modelling
VH13A-166	4:30 PM - 6:30 PM	Kensuke Ishii, Toshiki Shimbori, Yuta Hayashi, Eichichi Sato, Tesuo Tokumoto, Akihiro Hashimoto	A volcanic ash data assimilation system based on the three dimensional variational method
VH13A-167	4:30 PM - 6:30 PM	Pablo Forte, Jonathan M. Castro	H ₂ O evolution in rhyolitic systems: the case of the 2008 Chaitén eruption, Chile
VH13A-168	4:30 PM - 6:30 PM	Hannah Buckland, Julia Eychenne, Katharine Cashman, Alison Rust	Relating the physical properties of volcanic rocks to the characteristics of ash generated by experimental abrasion
VH13A-169	4:30 PM - 6:30 PM	Arnau Folch, Alejandro Marti	Solutions on real time for air traffic management (SORT-ATM)
VH13A-170	4:30 PM - 6:30 PM	Geoffroy Avard	Turrialba Volcano, Costa Rica: Transition to Magmatic Activity
VH13A-171	4:30 PM - 6:30 PM	Laura Walkup, Kari Prassack, William Hart, Elmira Wan	Geochemistry and tephrostratigraphy of Pliocene tephra in Hagerman Fossil Beds National Monument, Idaho, USA
VH13A-172	4:30 PM - 6:30 PM	Verity Flower, Ralph Kahn	Volcanic plume characterization using space-borne multi-angle imagery
VH13A-173	4:30 PM - 6:30 PM	Masayuki Oishi, Nobuo Geshi, Ryuta Furukawa, Takahiro Yamamoto, Yoshihiro Ishizuka, Teruki Oikawa, Futoshi Nanayama	Distribution patterns of volcanic ash fall deposits from Vulcanian eruptions
VH13A-174	4:30 PM - 6:30 PM	Celine Vidal, Yves Moussallam, Clive Oppenheimer, Gezahegn Yirgu, Asfawossen Asrat, Karen Fontijn, Frances Williams, Paul Mohr	Timing and characteristics of Middle Pleistocene caldera-forming eruptions in the Ethiopian Rift
VH13A-175	4:30 PM - 6:30 PM	Sarah Shallcross, Graham Mann, Anja Schmidt, Ryan Neely, Sandip Dhomse, Jim Haywood, Andrew Jones	The role of ash in the dispersion of the 1991 Mount Pinatubo plume: An observational and model intercomparison study
VH13A-176	4:30 PM - 6:30 PM	Steven L. Quane, Benjamin J. Andrews	Bread Crusted Bubbles: a View into Conduit Processes
VH13A-177	4:30 PM - 6:30 PM	Adrian Hornby, Yan Lavallée, Stephen Clesham, Gavyn Rollinson, Ulrich Kueppers, Jackie Kendrick, Alan Butcher, Corrado Cimarelli	Advanced Characterization of Volcanic Ash using QEMSCAN® particle mineralogical analysis (PMA)
VH13A-178	4:30 PM - 6:30 PM	Antonio Costa, Matthieu Poret, Daniele Andronico, Simona Scollo, Mathieu Gouhier, Antonio Cristaldi	Integrating tephra dispersal models with field, airspace, and airborne observations: the case of 23th February 2013 Etna paroxysm
VH13A-179	4:30 PM - 6:30 PM	Ben Esse, Mike Burton, Simona Scollo, Giuseppe Salerno	Mitigating volcanic ash risks through ground based ultraviolet spectroscopy
VH13A-180	4:30 PM - 6:30 PM	Elisabetta Del Bello, Jacopo Taddeucci, Jonathan Merrison, Stefano Alois, Jens Jacob Iversen	Modelling volcanic ash resuspension by environmental wind tunnel experiments: the effect of grain size and humidity
VH13A-181	4:30 PM - 6:30 PM	Christina Magill, Russell Blong	Determining the magnitude of the 17th century Long Island eruption, Papua New Guinea
VH13A-182	4:30 PM - 6:30 PM	Dorianne Tailpied, Benoit Taisne, Anna Perttu	Listening for volcanoes in SE ASIA: regional detection capability for infrasound using realistic atmospheric specifications

VH13A-183	4:30 PM - 6:30 PM	stefano corradini, luca merucci, dario stelitano, mathieu poret, antonio costa, mario montopoli, simona scollo	Improvement of volcanic cloud detection, retrievals and source characterization by means of remote sensing data integration
VH13A-184	4:30 PM - 6:30 PM	Hans F. Schwaiger, Kristi L. Wallace	Forecasting resuspension of volcanic ash from the 1912 Novarupta eruption
VH13A-185	4:30 PM - 6:30 PM	Nels Iverson, Nelia Dunbar, Andrei Kurbatov, William McIntosh	Antarctica's englacial tephra record: linking source volcanoes, ice cores and blue ice areas
VH13A-186	4:30 PM - 6:30 PM	Mark Jellinek, Thomas Aubry, Wim Degruyter, Costanza Bonadonna	Evaluation of future volcanic SO ₂ emissions into the stratosphere and consequences for future volcanic forcing experiments in Global Climate Models
VH13A-187	4:30 PM - 6:30 PM	Hans Brenna, Kirstin Krüger, Steffen Kutterolf	Halogen and sulfur rich explosive eruptions in the tropics: A potential threat to the future ozone layer? Halogen and sulfur rich explosive eruptions in the tropics

VH13B: V.7 Volcano geology and geological mapping as tools for unravelling volcanic history and long term hazards assessment III Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
VH13B-188	4:30 PM - 6:30 PM	Julie Donnelly-Nolan, Robert Jensen, Duane Champion, Mark Stelten	Impact of lidar on geologic mapping of Newberry Volcano, Oregon, USA
VH13B-189	4:30 PM - 6:30 PM	Duane Champion, Drew Downs, Patrick Muffler, Michael Clynne, Andrew Calvert	Geologic Mapping of the Burney - Pit River Area, California, Using a Multidisciplinary Approach
VH13B-190	4:30 PM - 6:30 PM	L.J. Patrick Muffler, Andrew T. Calvert, Duane E. Champion, Michael A. Clynne, Drew T. Downs, Robert L. Christiansen	The Cascades volcanic arc between the Lassen Volcanic Center and Mount Shasta, northern California
VH13B-191	4:30 PM - 6:30 PM	Matthew Cruz, Martin Streck	The elusive eruptive sources of the mid-Miocene Dinner Creek Tuff, eastern Oregon
VH13B-192	4:30 PM - 6:30 PM	Drew Downs, L.J. Patrick Muffler, Michael Clynne, Duane Champion, Andrew Calvert, Ingvar Fridleifsson	Emplacement of the largest Quaternary monogenetic silicic dome complex in the Cascades Arc: the Burney Mountain dacite in northern California
VH13B-193	4:30 PM - 6:30 PM	Michael Clynne, Duane Champion, Maren Wanke	Stratigraphy and Age of the Castle Creek Eruptive Period, Mount St. Helens, Washington
VH13B-194	4:30 PM - 6:30 PM	María Fernanda Flores, Julie Roberge, Arturo Ortiz-Ubilla, Dougal A. Jerram, Roberto Hernández-Zúñiga, Carlos A. Angeles-De la Torre	Understanding Popocatepetl's last plinian eruption: A Volcanological and petrological study of the Pink Pumice
VH13B-195	4:30 PM - 6:30 PM	Delphine Roselyne Nathalie Sourisseau, José Luis MACIAS, Denis R. AVELLAN, Juan Pablo BERNAL URUCHURTU, Giovanni SOSA CEBALLOS	Stratigraphy of the post-caldera explosive volcanism of the La Primavera Caldera, Jalisco Mexico
VH13B-196	4:30 PM - 6:30 PM	Heather Wright, Marco Rivera, Jessica Vela, Chris Harpel	Explosive eruptive history of Ubinas volcano, Peru, over the past 14 ka
VH13B-197	4:30 PM - 6:30 PM	Flavia Maria Salani, Silvina Eugenia Luro	Stratigraphy and Geochemistry of Cerro Escorioso Volcanic Field, Miocene, Patagonia, Argentina
VH13B-198	4:30 PM - 6:30 PM	Shimpei Uesawa, Mitsuhiro Nakagawa, Akane Umetsu	Eruptive history, structure and magmatic change at Yotei Volcano, southwest Hokkaido, Japan
VH13B-199	4:30 PM - 6:30 PM	Daisuke Miura, Mizuho Amma-Miyasaka, Shimpei Uesawa, Shingo Takeuchi	Kuttara caldera complex and its ignimbrites
VH13B-200	4:30 PM - 6:30 PM	Yuki Yasuda	Collapse mechanism of small calderas: a case study of the Ohachidaira caldera, Hokkaido, Japan
VH13B-201	4:30 PM - 6:30 PM	Andrea Todde, Rafeollo Cioni, Karoly Nemeth, Marco Pistolesi, Nobuo Geshi, Costanza Bonadonna, Sébastien Biass	Understanding complex evolution of intermediate to silicic linear-source Plinian eruptions: Sakurajima volcano (Japan) and Tarawera Volcanic Complex (New Zealand) as case studies
VH13B-202	4:30 PM - 6:30 PM	Leo Pure, Dougal Townsend, Graham Leonard, Colin Wilson, Andrew Calvert, John Gamble	Comprehensive mapping and geochronology of glacial and interglacial lava flows at a stratovolcano: a case example from Tongariro volcano, New Zealand
VH13B-203	4:30 PM - 6:30 PM	Stepan Krashenninnikov, Lilya Bazanova, Maxim Portnyagin, Maarten Blaauw	Record of the Holocene magmatism of Avachinsky and Koryaksky volcanoes: geochemical and tephrochronological approach
VH13B-204	4:30 PM - 6:30 PM	Elodie Lebas, Steffen Kutterolf, Anne Le Friant, Kai Fockenberg, Georges Boudon, Benoît Caron, Stephan Jorry, Patrick Bachèlery	Extending the eruptive history of La Réunion Island to the Mid Pleistocene: Constraints from deep-sea sediments
VH13B-205	4:30 PM - 6:30 PM	Mari Sumita, Hans-Ulrich Schmincke	600 000 years of continuous eruptive record of Nemrut and Süphan volcanoes, eastern Anatolia: onshore and offshore tephrochronology of Lake Van area (Paleovan ICDP Drilling project)
VH13B-206	4:30 PM - 6:30 PM	Alvaro Marquez, Raquel Herrera, Jose Luis Granja Bruña, Benjamin van Wyk de Vries, Pilar Llanes, Marta Rincón	Recent volcano-structural evolution of Teide volcano (Tenerife, Canary Islands): constraints from geological mapping and geochronological data of the summit zone

FT13A: VIII.1 New approaches using statistical methods in volcanology II Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
FT13A-207	4:30 PM - 6:30 PM	Ana Teresa Mendoza-Rosas, Ángel Gómez-Vázquez, Servando De la Cruz-Reyna	Statistical analysis of the lava dome emplacement sequences and dome dimensions at Popocatepetl volcano, central México
FT13A-208	4:30 PM - 6:30 PM	Angel Gomez-Vazquez, Servando De la Cruz-Reyna, Ana Teresa Mendoza-Rosas	The ongoing process of consecutive lava dome emplacements and destructions at Popocatepetl volcano, Central Mexico
FT13A-209	4:30 PM - 6:30 PM	Stefan M. Lachowycz, Diana C. Roman, Ioana A. Cosma, Mel Rodgers, David M. Pyle, Tamsin A. Mather, Nick Varley	Investigating temporal variations in volcanic activity by statistical analysis of observation time-series

FT13A-210	4:30 PM - 6:30 PM	Qingyuan Yang, Marcus Bursik, Bruce Pitman	A new method to estimate the dispersal axis and vent location of tephra fall deposits
FT13A-211	4:30 PM - 6:30 PM	Julie Herrick, Sarah Henton De Angelis, Marguerite Toscano	Provenance of Floating Pumice in the Caribbean: Big Data and Hierarchical Clustering
FT13A-212	4:30 PM - 6:30 PM	John Albright, Patricia Gregg, Jeff Freymueller, Zhong Lu	Hindcasting the 2008 eruption of Okmok, AK using multi-data stream statistical data assimilation

FT13B: VIII.3 Volcano databases: new developments and applications I Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
FT13B-213	4:30 PM - 6:30 PM	Katherine Mulliken, Cheryl Cameron, Scott Crass, Janet Schaefer, Kristi Wallace	An update on the Alaska Tephra Database
FT13B-214	4:30 PM - 6:30 PM	Benjamin Andrews, Edward Venzke	Incorporating stratigraphic, granulometric, and image data into Volcanoes of the World
FT13B-215	4:30 PM - 6:30 PM	Christopher Bronk Ramsey, Victoria Smith, Rebecca Kearney	The RESET tephra and INTIMATE chronological databases: Resources for tephrochronology and volcanology
FT13B-216	4:30 PM - 6:30 PM	Shingo Takeuchi, Kiyoshi Toshida, Daisuke Miura, Shimpei Uesawa, Hisatoshi Ito	The association of eruption magnitude with magmatic properties: Evidence from Magma database of volcanic eruptions in Japan during the last one hundred thousand years
FT13B-217	4:30 PM - 6:30 PM	David Ramsey, Lee Siebert	Spatial and Temporal Database Compilation of Holocene Volcanic Vents in the Western Conterminous United States
FT13B-218	4:30 PM - 6:30 PM	Marco Antonio Aliotta, Mauro Amore, Stefano Messina, Flavio Cannavò, Carmelo Cassisi, Rosa Anna Corsaro, Marcello D'Agostino, Emanuela De Beni, Mario Dolce, Cinzia Federico, Andrea Mastrolia, Salvatore Mangiagli, Giuseppe Messina, Placido Montalto, Antonino Fabio Pisciotta, Michele Prestifilippo, Massimo Rossi, Giovanni Scarpato, Orazio Torrisi	Time Series Database Management System (TSDSystem) of Istituto Nazionale di Geofisica e Vulcanologia (INGV, Italy): a powerful tool for the management of volcano monitoring
FT13B-219	4:30 PM - 6:30 PM	Boris Behncke, Emanuela De Beni, Daniele Andronico, Antonella Bertagnini, Marina Bisson, Mattia De' Michieli Vitturi, Paola Del Carlo, Alessio Di Roberto, Tomaso Esposti Ongaro, Augusto Neri, Massimo Pompilio	A geo-database of "pyroclastic avalanches" at Mount Etna, 1999-2017

FT13C: VIII.4 Visualization tools and image processing in volcanology I Posters
Monday August 14, 2017. 4:30 PM - 6:30 PM Exhibit Hall A

Abstract Number	Time	Authors	Title
FT13C-220	4:30 PM - 6:30 PM	Allison Austin, Robin Matoza, David Tessier, Art Jolly, Alex Iezzi, Richard Johnson, Geoff Kilgour, Bruce Christenson, Esline Garaebiti, Ben Kennedy, Rebecca Fitzgerald, Nick Key, Adrien Tessier	Flashing arcs at Yasur Volcano, Vanuatu and their relationship to strombolian eruption mechanics
FT13C-221	4:30 PM - 6:30 PM	Mike James, Stuart Robson, Mark Smith	How precise are your SfM topographic surveys? 3-D uncertainty-based surface change detection with structure-from-motion photogrammetry and precision maps
FT13C-222	4:30 PM - 6:30 PM	Pierre-Yves Tournigand, Jacopo Taddeucci, Damien Gaudin, Juan José Peña Fernández, Diego Perugini, Elisabetta Del Bello, Piergiorgio Scarlato, Joern Sesterhenn	Initial transient ash plume dynamics: new insights from combined high-speed imagery, computer vision techniques and fractal analysis
FT13C-223	4:30 PM - 6:30 PM	Gonçalo Prates, Manuel Berrococo, Cristina Torrecillas, Alberto Fernández-Ros, Raúl Páez, Amós De Gil, Belén Rosado, Luis Miguel Peci	Deception volcano's 1967-1970 eruption from visible band imagery (Antarctic Peninsula)
FT13C-224	4:30 PM - 6:30 PM	Rocco Malservisi, Fanghui Deng, Elisabeth A. Gallant, Nicholas Voss, Surui Xie, Mel Rodgers, Timothy H. Dixon, Sylvain J Charbonnier, Cristian M López	High-resolution DEM generation from multiple remote sensing data sources - a case study from Nevado del Ruiz, Colombia
FT13C-225	4:30 PM - 6:30 PM	Brian Zimmer, Piotr Arlukowicz, Grant Montieth, Lauren Richardson	High-Precision Photogrammetry for Change Detection in Non-Georeferenced Data Sets
FT13C-226	4:30 PM - 6:30 PM	Damiano Sarocchi, Gamaliel Moreno-Chavez, Lorenzo Borselli, Luis Angel Rodriguez-Sedano, Brittany Brand, Nicholas Pollock, Roberto Sulpizio, Trevor Hawkins	Quantitative texture analysis through remote imaging and automated image analysis: A case study from Mount St Helens, WA (USA)
FT13C-227	4:30 PM - 6:30 PM	Ling Zeng, Lili Cheng, Jason Herrin, Fidel Costa	CE 1.0: A MATLAB-based software for computational phenocryst extraction and statistical petrology
FT13C-228	4:30 PM - 6:30 PM	Roberto Guardo, Luca De Siena	Integrating passive seismicity with GIS for a new perspective on volcano imaging and monitoring: the case study of Mt. Etna