

<b>Plenary Session</b>			
<b>Friday August 18, 2017. 8:30 AM - 10:30 AM OCC Oregon Ballroom 201-203</b>			
		Vickie McConnell	Interfacing Science with Government: You Don't Always Get What You Want
		Peter Frenzen	Interfacing with the Public: Lessons Learned from 30 Years of Science Messaging at Mount St. Helens

<b>ME51A: II.4 Experimental volcanology: from magma generation to the transport and emplacement of pyroclastic materials II</b>			
<b>Friday August 18, 2017. 10:30 AM - 12:30 PM Room A107-109</b>			
Abstract Number	Time	Authors	Title
ME51A-1 (invited)	10:30 AM - 10:45 AM	Alessandro Vona, Andrea Di Piazza, Eugenio Nicotra, Claudia Romano, Marco Viccaro, Guido Giordano	The complex rheology of megacryst-rich magmas
ME51A-2	10:45 AM - 11:00 AM	Ikuro Sumita, Nao Yasuda, Moe Mizuno, Heiko Woith, Eleonora Rivalta	Experiments on shaking-induced fluidization in a liquid-immersed granular medium : implications for triggering eruptions
ME51A-3	11:00 AM - 11:15 AM	Rebecca Coats, Biao Cai, Jackie E Kendrick, Paul A Wallace, Taka Miwa, Adrian J Hornby, James D Ashworth, Felix W von Aulock, Peter D Lee, Jose Godinho, Yan Lavallée, Robert C Atwood	An experimental investigation into magma rheology using natural and analogue materials
ME51A-4 (invited)	11:15 AM - 11:30 AM	James Gardner, Fabian Wadsworth, Edward Llewellyn, James Watkins, Jason Coumans	Sintering of Ash Under Conduit Conditions: Experiments and Implications for the Longevity of Tuffisite Fractures
ME51A-5	11:30 AM - 11:45 AM	Arianna Soldati, Alan Whittington, Lucia Gurioli, Andrew Harris, Maeva Rhéty, Nicolas Villeneuve	Does lava remember its own thermal history? A new experimental approach to investigate subliquidus rheology applied to the December 2010 eruption of Piton de La Fournaise (La Réunion)
ME51A-6	11:45 AM - 12:00 PM	Jerome Mayeux, Barbara Tripoli, Michael Manga	Effect of deformation on the crystallization kinetics of magmas
ME51A-7	12:00 PM - 12:15 PM	Mattia Pistone	Heating or cooling felsic crystal mushes to extract melt? An experimental evaluation of melt extraction efficiency in shallow volcanic systems
ME51A-8	12:15 PM - 12:30 PM	Johannes Klein, Sebastian Mueller, Jonathan Castro	The influence of crystal size distributions (CSD) on the rheology of magma: new insights from analogue and petrological experiments

<b>ME51B: II.5 Using geochronology and quantitative petrology to understand the P-T-t-X evolution of magmatic systems leading up to volcanic eruptions III</b>			
<b>Friday August 18, 2017. 10:30 AM - 12:30 PM Room B114-115</b>			
Abstract Number	Time	Authors	Title
ME51B-1	10:30 AM - 10:45 AM	Phil Shane, Victoria Smith, Sonja Storm, Axel Schmitt	Long-lived crystal mushes, short-lived eruptible magmas, and various crystal records: Okataina rhyolite volcano
ME51B-2 (invited)	10:45 AM - 11:00 AM	Michael Stock, Madeleine Humphreys, Victoria Smith, Roberto Isaia, Richard Brooker, David Pyle	Tracking pre-eruptive volatile behaviour at Campi Flegrei, Italy, through integrated analysis of apatite and glass
ME51B-3	11:00 AM - 11:15 AM	Taya Flaherty, Tim Druitt, Gareth Fabbro, Fidel Costa, Katie Preece, Chad Deering	Timescales of final magma chamber assembly prior to the Minoan eruption of Santorini from Fe-Mg diffusion chronometry in pyroxenes
ME51B-4	11:15 AM - 11:30 AM	Thomas Shea	Probing olivine for chemical zoning and timescales: insights from crystallization experiments in natural basalt
ME51B-5	11:30 AM - 11:45 AM	Fiona Couperthwaite, Daniel Morgan, Thor Thordarson, Jason Harvey	Diffusion chronometry: potential and problems as a volcano eruption monitoring tool
ME51B-6	11:45 AM - 12:00 PM	Kendra J. Lynn, Thomas Shea, Michael O. Garcia, Fidel Costa	A new application of lithium diffusion in olivine to investigate late-stage mixing events at Kilauea Volcano (Hawaii)
ME51B-7	12:00 PM - 12:15 PM	Chiara Maria Petrone, Martin Mangler	The interplinian activity at Popocatepetl volcano (Mexico): months-scale magma mixing events at a steady-state active volcano
ME51B-8 (invited)	12:15 PM - 12:30 PM	Mark Stelten, Kari Cooper	Petrologic evidence for the current state of Yellowstone's magmatic system

<b>PE51A: III.1 Forecasting volcanic eruptions IV</b>			
<b>Friday August 18, 2017. 10:30 AM - 12:30 PM Room B117-119</b>			
Abstract Number	Time	Authors	Title
PE51A-1 (invited)	10:30 AM - 10:45 AM	Devy Kamil Syahbana, Martanto Martanto, Novia Abdul-Manaf, Heruningtyas Desi Purnamasari, Annisa Prastanti, Nia Haerani, ling Kusnadi, Ferry Rusmawan, Aditya Sebastian Andreas, Oktory Prambada, Ugan Boyson Saing, Yudhi Wahyudi, Syarif Abdul-Manaf, David Adriansyah, SyegilLenarahmi Kunrat, Yasa Suparman, Ardy Setya Prayoga, Girie Maiyuana, Mardian Hardipto	Eruption precursors: A case study from volcanoes in eastern region of Indonesia
PE51A-2 (invited)	10:45 AM - 11:00 AM	J. Maarten de Moor, Cyril Muller, Javier Marso, Mauricio Mora, Geoffroy Avard, Alessandro Aiuppa, Guillermo Alvarado, Christoph Kern, Peter Kelly, Jeremy Pesicek, Heather Wright, John Pallister, Jeff Marso	The slow awakening of Turrialba Volcano: An increasing challenge for eruption forecasts
PE51A-3	11:00 AM - 11:15 AM	Michelle Coombs, Alaska Volcano Observatory Staff	Forecasting and detection during the 2016-2017 eruption of Alaska's Bogoslof volcano

PE51A-4	11:15 AM - 11:30 AM	Jack Simmons, Ray Cas, Tim Druitt, Rebecca Carey	Precursors to explosive volcanic eruptions at Santorini caldera, Greece: perspectives from the geological record
PE51A-5	11:30 AM - 11:45 AM	Masato Iguchi	Probabilistic forecasting of amounts of volcanic ash ejected by vulcanian eruptions at the Sakurajima volcano, Japan
PE51A-6	11:45 AM - 12:00 PM	Joaquin Cortes, Stephen Blake	Forecasting in real-time Volcanic Eruptions Based on Ground Deformation Data
PE51A-7	12:00 PM - 12:15 PM	Gonçalo Prates, Manuel Berrocoso, Alberto Fernández-Ros, Luis Miguel Peci, Amós De Gil, Belén Rosado, Raúl Páez	Methodological framework for near real-time volcano monitoring developed on Deception volcano (Antarctic Peninsula)
PE51A-8	12:15 PM - 12:30 PM	Andrea Bevilacqua, Marcus Bursik, Abani Patra, E. Bruce Pitman	Multi-model probability assessments in the Long-Valley volcanic region (CA)

**PE51B: III.2 Geophysical multi-parameters techniques for monitoring active volcanoes IV****Friday August 18, 2017. 10:30 AM - 12:30 PM Ballroom 201-203**

Abstract Number	Time	Authors	Title
PE51B-1	10:30 AM - 10:45 AM	Hazel Rymer, Glyn Williams-Jones, John Murray, Pierre Delmelle, Kerry Reid, Guillermo Caravantes-Gonzalez	Precursors to the current activity at Masaya volcano, Nicaragua
PE51B-2	10:45 AM - 11:00 AM	Takeshi Hashimoto, Masami Matsumoto, Risa Okamoto, Hiroshi Koyama, Atsushi Morii, Wataru Mishima, Tagiru Ogino, Ryo Takahashi	Long-term Correlation between Geomagnetic Filed Changes, Ground Deformation and Gas Composition at Mt. Tarumae Volcano, Northern Japan
PE51B-3	11:00 AM - 11:15 AM	Viviane Souty, Sylvie Vergnolle, Christelle Zielinski, Philipson Bani, Alexis Le Pichon, Michel Lardy, Philippe Millier, Pascal Herry, Sylvain Todman	Insights on eruptive patterns at open-vent volcanoes from simultaneous infrasonic, thermal and seismic records at Yasur volcano (Vanuatu)
PE51B-4	11:15 AM - 11:30 AM	Luis Miguel Peci Sanchez, Manuel Berrocoso Dominguez, Alberto Fernandez-Ros, Gonçalo Prates, Amos De Gil, Raul Paez, Belen Rosado Moscoso	VALIDATION OF THE MULTIPARAMETRIC SYSTEM FOR VOLCANIC SURTILLANCE ON DECEPTION ISLAND (ANTARCTICA): VOLCANIC PROCESS 2012-2017
PE51B-5	11:30 AM - 11:45 AM	Yoichi Sasai, Makoto Uyeshima, Jacques Zlotnicki	Magnetic variations associated with the tilt-step events during the 2000 eruption of Miyake-jima volcano revisited
PE51B-6	11:45 AM - 12:00 PM	Gregory Waite, Kyle Brill, Monica Castro-Escobar	The persistent eruptive activity at Fuego volcano, Guatemala: a multi-instrumental evaluation of processes with timescales from seconds to months
PE51B-7	12:00 PM - 12:15 PM	Richard Middlemiss	Miniaturised Gravity Sensors for Remote Gravity Surveys
PE51B-8	12:15 PM - 12:30 PM	Jacques Zlotnicki, Yoichi Sasai, Malcolm Johnston, George Vargemesis, PHIVOLCS EM (E. Villacorte, P. Reniva, P. Alanis, Juan M. Gordon Jr) Team	Taal volcano in Philippines: What is the future?

**PE51C: III.3 Multidisciplinary constraints on volcanic eruption triggers II****Friday August 18, 2017. 10:30 AM - 12:30 PM Room B113**

Abstract Number	Time	Authors	Title
PE51C-1 (invited)	10:30 AM - 10:45 AM	Christy Till	An Integrated Approach for Identifying the P-T-X-t Histories and Eruption Triggers for Silicic Magmas; An Example Examining the Scaup Lake Rhyolite, Yellowstone Caldera, WY
PE51C-2	10:45 AM - 11:00 AM	Lucy McGee, Heather Handley, Mark Reagan, Simon Turner, Kim Berlo, Michael Turner, Jenni Barclay, Steve Sparks	Testing the mafic trigger hypothesis at Soufriere Hills Volcano, Montserrat, using short-lived U-series isotopes
PE51C-3	11:00 AM - 11:15 AM	Jon Blundy, Oleg Melnik, Natasha Gorokhova, Ralf Dohmen	Rapid Destabilisation of the Magma System Beneath Mount St Helens prior to 1980-86 Eruption
PE51C-4	11:15 AM - 11:30 AM	Jen Truby, Ed Llewellyn, Jacopo Taddeucci, Mike Dungan	Mobilizing a magma mush through bubble growth – rheological triggering of the largest eruptions
PE51C-5	11:30 AM - 11:45 AM	Kaylon Higgenbotham, Ben Kennedy, Thomas Walter	Shake and wake: investigating how earthquakes trigger volcanic activity by shaking bubbles in shear thinning fluids as an analogue for magma chambers during earthquakes
PE51C-6	11:45 AM - 12:00 PM	Haley Cabaniss, Patricia Gregg, Eric Grosfils	Tectonic triggering of large caldera eruptions in the Taupo Volcanic Zone
PE51C-7	12:00 PM - 12:15 PM	Daniel Basualto, Pablo Gonzalez, Loreto Cordova, Jonathan Quijada, Gabriela Velásquez, Diego Lobos	Megathrust and Volcanic Reactivations, Evidence, Correlations and Eruptions in the Chilean Volcanic Belt
PE51C-8 (invited)	12:15 PM - 12:30 PM	Matthew Pritchard, Francisco Delgado, Philipp Ruprecht, Paul Lundgren, Kyle Anderson, Luis Lara, Daniel Bertin, Julia Kubanek	Precursors and evolution of the 2011-2012 rhyodacite eruption of Cordón Caulle, southern Chile

**VO51A IV.4 Volcanic plumes and clouds: from injection to dispersion II****Friday August 18, 2017. 10:30 AM - 12:30 PM Room A106**

Abstract Number	Time	Authors	Title
VO51A-1 (invited)	10:30 AM - 11:00 AM	Matteo Cerminara	Comparing and understanding volcanic plume models: can integral approaches reproduce 3D simulations?
VO51A-2	11:00 AM - 11:15 AM	Benjamin Devenish	A co-flowing two-plume model of a volcanic eruption column

VO51A-3	11:15 AM - 11:30 AM	David Jessop, Josef Dufek, Mark Jellinek, Olivier Roche, Johan Gilchrist	Particle-plume coupling and vent-shape effects on volcanic plume stability
VO51A-4 (invited)	11:30 AM - 12:00 PM	Antonio Costa, Giovanni Macedonio	Modelling particle charge and electrostatic field effects on volcanic ash aggregation
VO51A-5	12:00 PM - 12:15 PM	Matthieu Poret, Antonio Costa, Arnau Folch, Alex Marti	Modelling tephra dispersal and ash aggregation: application to the 26 April 1979 eruption of La Soufrière St. Vincent
VO51A-6	12:15 PM - 12:30 PM	Frances Beckett, Arve Kylling, Sibylle von Louis, Claire Witham	Modelling and Observing Ash Plumes from Remobilisation Events

**VH51A: V.1 Lava flow dynamics and hazard assessment II****Friday August 18, 2017. 10:30 AM - 12:30 PM Room A105**

Abstract Number	Time	Authors	Title
VH51A-1 (invited)	10:30 AM - 10:45 AM	Scott Rowland, Andrew Harris, Nicolas Villeneuve, Thorvaldur Thordarson	THERE IS ALWAYS SOMETHING TO LEARN FROM THOSE INTERESTING BUT PUZZLING LAVA-FLOW OUTCROPS THAT EVERYBODY COMES ACROSS EVERY NOW AND THEN
VH51A-2	10:45 AM - 11:00 AM	Gro Pedersen, A. Höskuldsson, T. Askew, T. Thordarson, I. Jónsdóttir, M. Riishuus, B. Óskarsson, E. Magnússon, M. Gudmundsson, F. Sigmundsson, V. Drouin, C. Gallagher, R. Askew, J. Guðnason, W. Moreland, P. Nikkola, H. Reynolds, J. Schmith, S. Dumont	Lava field evolution and emplacement dynamics of the 2014-2015 basaltic fissure eruption at Holuhraun, Iceland
VH51A-3	11:00 AM - 11:15 AM	Isla Catherine Simmons, Melissa Anne Pfeffer, Eliza Shona Calder, Bo Galle, Santiago Arellano, Diego Coppola, Sara Barsotti	Extended SO <sub>2</sub> outgassing from the 2014-2015 Holuhraun lava field, Iceland
VH51A-4	12:00 PM - 12:15 PM	Yannick Le Moigne, Glyn Williams-Jones, Karim Kelfoun, Philippe Labazuy, Kelly Russell, Nathalie Vigouroux-Caillibot	Investigating and modeling Canada's deadliest volcanic eruption
VH51A-5	11:30 AM - 11:45 AM	Hannah Dieterich, Drew Downs, Mark Stelten	Reconstructing lava flow emplacement histories with implications for hazard assessment within the Harrat Rahat volcanic field, Saudi Arabia
VH51A-6 (invited)	11:45 AM - 12:00 PM	Sophie Mossoux, Mathijs Saey, Sam Poppe, Stefania Bartolini, Frank Canters, Matthieu Kervyn	Q-LavHA, a plugin to simulate lava flows: functioning and applications
VH51A-7	11:15 AM - 11:30 AM	Ed Llewellyn, Jen Truby, Tim Orr, Hugh Tuffen, Bruce Houghton	Does bubble suspension rheology control runout-length of lava flows?
VH51A-8	12:15 PM - 12:30 PM	Robert Wright, Estelle Bonny	An assessment of three satellite-based methods to retrieve lava discharge rate

**VH51B: V.5 Evaluating hazards by mapping and interpreting volcanic deposits II****Friday August 18, 2017. 10:30 AM - 12:30 PM Room B110-112**

Abstract Number	Time	Authors	Title
VH51B-1 (invited)	10:30 AM - 11:00 AM	Roberto Sulpizio	On the use of field data for defining eruptive scenarios and drawing of hazard maps
VH51B-2	11:00 AM - 11:15 AM	John Ewert	A history of volcano hazard maps
VH51B-3	11:15 AM - 11:30 AM	Jan Lindsay, Eliza Calder, Mary Anne Thompson, John Ewert, Graham Leonard	State of the Volcanic Hazard Map: Development and preliminary results of a world-wide survey of official volcanic hazard maps. A presentation on behalf of the IAVCEI Hazard Mapping Working Group
VH51B-4	11:30 AM - 11:45 AM	Charlotte Vye-Brown, Sue Loughlin, Julia Crummy, Murray Lark, Richard Brown, Sam Engwell, Katie Preece, Jenni Barclay, Kay Smith	Development of a volcanic hazard assessment methodology for Ascension Island, South Atlantic
VH51B-5	11:45 AM - 12:00 PM	Long Li, Longqian Chen, Carmen Solana, Frank Canters, Matthieu Kervyn	Automated discrimination and mapping of lava flows through random forest classification of satellite imagery
VH51B-6	12:00 PM - 12:15 PM	Christopher Harpel, Kus Hendratno, James Stimac, Sofyan Primulyana	The Orange Tuff: a late Pleistocene tephra-fall deposit emplaced by a silicic HT15 eruption in West Java, Indonesia and its hazard implications
VH51B-7	12:15 PM - 12:30 PM	Rebecca Fitzgerald, Ben Kennedy, Thomas Wilson, Graham Leonard, Amy Jeffrey, Aime McSparran	Ballistic hazard and vulnerability quantification using a pneumatic cannon

**VS51A: VII.6 Successful information coordination among scientists, civil protection groups, and local officials during a crisis II****Friday August 18, 2017. 10:30 AM - 12:30 PM Room B116**

Abstract Number	Time	Authors	Title
VS51A-1 (invited)	10:30 AM - 10:45 AM	Marta Lucía Calvache, Adriana Agudelo	From the tragedy of Nevado del Ruiz eruption to the Nevado del Huila disaster risk reduction
VS51A-2 (invited)	10:45 AM - 11:00 AM	Richard Smith	Developing a mechanism for successful, multiagency, volcano science advice and research coordination: facilitation across the boundaries of disaster risk research, policy, and practice in New Zealand
VS51A-3 (invited)	11:00 AM - 11:15 AM	Peter Frenzen	Land Use and Response Coordination: Lessons from the 2004 Eruption of Mount St. Helens
VS51A-4	11:15 AM - 11:30 AM	Chris Gregg, Ashleigh Reeves, Michael Lindell, Frank Trusedell, Bruce Houghton, Andrew Joyner	Resident stakeholder perceptions of lava flow hazard diversion strategies and protective measures for infrastructure and commercial and private property on Kīlauea and Mauna Loa volcanoes, Hawai'i

VS51A-5	11:30 AM - 11:45 AM	Sabina Michnowicz, Christopher Kilburn	Developing trust in hazard warnings and responses at long-quiet volcanoes
VS51A-6	11:45 AM - 12:00 PM	Paolo Papale	Communication of volcanic hazards in urbanized areas, and the roles of scientists and decision makers
VS51A-7	12:00 PM - 12:30 PM		Panel Discussion

**ME52A: II.3 Active lava lakes: A window into the deep? II**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Room B113**

Abstract Number	Time	Authors	Title
ME52A-1 (invited)	2:00 PM - 2:15 PM	Patrick Allard	Terrestrial lava lakes: remarkable windows into inner magma dynamics and degassing at open-conduit volcanoes
ME52A-2 (invited)	2:15 PM - 2:30 PM	Rosalyn Lopes, Jani Radebaugh, Robert Howell, Elizabeth Turtle, Ralph Lorenz, Julie Rathbun, Tracy Gregg	Extraterrestrial Lava Lakes
ME52A-3	2:30 PM - 2:45 PM	Talfan Barnie, Ashley Gerard Davies, Gezahgen Yirgu, Chris Moore, Simon Carn, David Pieri, Clive Oppenheimer, Juliet Biggs, Tim Wright	The 2017 eruption of Erta 'Ale volcano, northern Afar, Ethiopia
ME52A-4	2:45 PM - 3:00 PM	Benoît Smets, Nicolas d'Oreye, Matthieu Kervyn, François Kervyn	The Nyiragongo lava lake (D.R. Congo): current state of knowledge and perspectives
ME52A-5	3:00 PM - 3:15 PM	Matthew Patrick, Tim Orr, Don Swanson	Is Halema'uma'u's lava lake a window into the deeper magmatic system?
ME52A-6	3:15 PM - 3:30 PM	Einat Lev, Camera Ford, Matt Patrick, Katharina Unglert	Cooling and degassing of lava lakes -- global and local perspectives
ME52A-7	3:30 PM - 3:45 PM	Holly Rotman, Tehnuka Ilanko, Clive Oppenheimer, Philip Kyle	Seismic and gas geochemical observations during an episode of increased explosive activity at Erebus volcano, Antarctica
ME52A-8	3:45 PM - 4:00 PM	Clive Oppenheimer	Dynamics of magmatic degassing observed at lava lakes

**ME52B: II.4 Experimental volcanology: from magma generation to the transport and emplacement of pyroclastic materials III**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Room B114-115**

Abstract Number	Time	Authors	Title
ME52B-1 (invited)	2:00 PM - 2:15 PM	Gert Lube, Eric Breard, Luke Fullard, Jim Jones, Shane Cronin, Ermanno Brosch	A recipe for unleashing the infernal forces of pyroclastic flows
ME52B-2	2:15 PM - 2:30 PM	Olivier Roche, Siet van den Wildenberg, Renaud Delannay, Anne Mangeny, Alexandre Valance	Basal forces in volcanic granular mass flows – experimental insights
ME52B-3	2:30 PM - 2:45 PM	Roberto Sulpizio, Damiano Sarocchi, Luis Angel Rodriguez-Sedano, Brittany Brand, Nicholas Pollock, Gerardo Campos	On the entrapment mechanisms of volcanic granular flows from laboratory experiments and comparison with natural exposures
ME52B-4	2:45 PM - 3:00 PM	Kristen Fauria, Michael Manga, Michael Chamberlain	Effect of particle entrainment on the runoff of pyroclastic density currents
ME52B-5	3:00 PM - 3:15 PM	Gueugneau Valentin, Kelfoun Karim, Roche Olivier, Chupin Laurent	Effects of pore pressure in pyroclastic flows: numerical simulation and experimental validation
ME52B-6	3:15 PM - 3:30 PM	Anne Weit, Olivier Roche, Thierry Dubois, Michael Manga	Experimental study of the solid phase concentration in volcanic turbulent gas-particle mixtures
ME52B-7	3:30 PM - 3:45 PM	Valeria Cigala, Ulrich Küppers, Juan Jose Pena Fernandez, Jacopo Taddeucci, Joern Sesterhenn, Donald B Dingwell	What is controlling pyroclast ejection dynamics? Analyzing the boundary conditions affecting velocity and trajectory via shock-tube experiments
ME52B-8	3:45 PM - 4:00 PM	Corrado Cimarelli, Damien Gaudin, Joshua Méndez-Harper	From ashes to flashes: experimentally mapping the conditions for electrification and lightning in volcanic plumes

**ME52C: II.5 Using geochronology and quantitative petrology to understand the P-T-t-X evolution of magmatic systems leading up to volcanic eruptions IV**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Ballroom 201-203**

Abstract Number	Time	Authors	Title
ME52C-1	2:00 PM - 2:15 PM	Lydia Harmon, Guilherme Gualda, Darren Gravley, Chad Deering	Deciphering Whakamaru group storage conditions and magma mingling/co-eruptive magma bodies via glass geochemistry and rhyolite-MELTS geothermobarometry
ME52C-2	2:15 PM - 2:30 PM	Genji Saito, Isoji Miyagi, Yoshihisa Kawanabe	Depth of the magma chamber of the Kikai-Akahoya caldera-forming eruption of Satsuma-Iojima volcano, Japan, based on petrological observation and melt-inclusion analysis
ME52C-3	2:30 PM - 2:45 PM	Emily First, Julia Hammer, Philipp Ruprecht	Experimental constraints on dacite magma storage beneath Volcán Quizapu, Chile
ME52C-4	2:45 PM - 3:00 PM	Marinel Kovacs, Alexandrina Fulop, Ioan Seghedi, Zoltan Pecskay, Masatsugu Yamamoto, Maria Jurje	P-T evolution of the Miocene magmatic system from Gutai Volcanic Zone (Eastern Carpathians, Romania)
ME52C-5	3:00 PM - 3:15 PM	James Jolles, Rebecca Lange	A re-examination of temperature and mineral-melt equilibrium across Early to Late Bishop Tuff: Insights from all possible pairs of Fe-Ti oxides per pumice clast
ME52C-6	3:15 PM - 3:30 PM	Kenneth Befus, Miguel Cisneros	Bringing Raman thermobarometry to the people
ME52C-7	3:30 PM - 3:45 PM	Dawid Szymanowski, Jörn-Frederik Wotzlaw, Ben S. Ellis, Olivier Bachmann, Marcel Guillong, Albrecht von Quadt	Zircon-titanite constraints on pre-eruptive storage conditions in large magma reservoirs
ME52C-8	3:45 PM - 4:00 PM	Andreas Kluegel, Markus Schmid, Simon Day, Bruno Faria	Magma plumbing during the 2014-2015 eruption of Fogo (Cape Verde Islands)

**PE52A: III.9 Understanding pyroclastic density currents through analysis of their deposits II**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Room A107-109**

Abstract Number	Time	Authors	Title
PE52A-1 (invited)	2:00 PM - 2:15 PM	Eric Breard, Gert Lube, Joe Dufek, Ermanno Brosch, Tomaso Esposti Ongaro, Jim Jones	Constructing a benchmark for pyroclastic density currents

PE52A-2	2:15 PM - 2:30 PM	Elodie Macorps, Sylvain J. Charbonnier	Using field investigations as proxies for interpreting the dynamics of concentrated Pyroclastic Density Currents
PE52A-3	2:30 PM - 2:45 PM	Janine Krippner, Alexander Belousov, Marina Belousova, Michael Ramsey	Correlating dome collapse events with block and ash flow deposits at Shiveluch volcano, Kamchatka
PE52A-4	2:45 PM - 3:00 PM	Rebecca Williams, Michael Branney, Tiffany Barry, Michael Norry	Mapping the interaction of a pyroclastic density current with irregular topography: the chemically-zoned, low aspect-ratio Green Tuff ignimbrite, Pantelleria, Italy
PE52A-5	3:00 PM - 3:15 PM	Nicholas Pollock, Brittany Brand, Olivier Roche, Pete Rowley, Damiano Sarocchi, Roberto Sulpizio	Using shear-induced, wave-like depositional features to infer flow conditions of pyroclastic density currents at Mount St Helens, Washington, USA
PE52A-6	3:15 PM - 3:30 PM	Guilhem Douillet, Mélanie Bouysson, Lukas Gegg	Overtuned strata in deposits of dilute pyroclastic density currents, field and analogue data
PE52A-7	3:30 PM - 3:45 PM	Shinji Takarada, Hideo Hoshizumi	Depositional features and emplacement mechanism of pyroclastic density currents at Unzen, Hokkaido Komagatake and Aso volcanoes, Japan
PE52A-8 (invited)	3:45 PM - 4:00 PM	Olivier Roche, David Buesch, Greg Valentine	The significance of substrate-derived blocks in ignimbrites for parent flow emplacement mechanisms – Example of the Peach Spring Tuff, western USA, and experimental constraints

**VOS2A: IV.4 Volcanic plumes and clouds: from injection to dispersion III**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Room B110-112**

Abstract Number	Time	Authors	Title
VOS2A-1	2:00 PM - 2:15 PM	Pórhur Arason, Sara Barsotti, Mattia de' Michieli Vitturi, Sigurdur Jónsson, Hermann Arngrímsson, Baldur Bergsson, Melissa Pfeffer, Gudrun Nina Petersen	Real-Time Estimation of Mass Eruption Rate and Ash Dispersion During Explosive Volcanism
VOS2A-2 (invited)	2:15 PM - 2:45 PM	Sonja Behnke, Ronald Thomas, Harald Edens, Alexa Van Eaton, Stephen McNutt, Cassandra Smith, Corrado Cimarelli	Volcanic Lightning Observations and Applications: Recent Progress and Future Directions
VOS2A-3	2:45 PM - 3:00 PM	Damien Gaudin, Corrado Cimarelli, Sonja A. Behnke, Valeria Cigala, Harald Edens, Stephen R. McNutt, Cassandra M. Smith, Ronald Thomas	Volcanic lightning vs. plume dynamics: Integration of multi-parametric observations from the explosive activity of Sakurajima Volcano (Japan)
VOS2A-4	3:00 PM - 3:15 PM	Alexa Van Eaton, David Schneider, Peter Cervelli, Robert Holzworth, John Lyons, Matthew Haney, Kristi Wallace, David Fee, Larry Mastin	Volcanic lightning during the shallow submarine eruption of Bogoslof volcano, Alaska
VOS2A-5	3:15 PM - 3:30 PM	David Schneider, Michael Pavolonis, Alexa Van Eaton, Kristi Wallace	Characteristics of volcanic clouds from a water-rich eruptive process: Satellite observations of the 2016-2017 eruption of Bogoslof volcano, Alaska
VOS2A-6	3:30 PM - 3:45 PM	Michael Fromm	On Being Prepared for the Next Big Volcanic Eruption via Syngistic Satellite Remote Sensing
VOS2A-7	3:45 PM - 4:00 PM	Franck Donnadieu, Valentin Freret-Logeril, Julien Delanoë, Jean-Paul Vinson, Thierry lachimy, Frédéric Peyrin, Claude Hervier, Christophe Caudoux	The mass load of Strombolian ash plumes: first retrievals from a mm-wave radar

**VH52A: V.4 Just add water: hazards variation in lava flows, steam-driven and hydromagmatic explosive eruptions II**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Room A105**

Abstract Number	Time	Authors	Title
VH52A-1 (invited)	2:00 PM - 2:15 PM	Shaul Hurwitz, Steven E. Ingebritsen, Mark E. Reid, Jessica L. Ball, Joshua M. Taron, Carol A. Finn, Paul A. Bedrosian	Groundwater in stratovolcanoes of the Cascade Range, USA – what we do and do not know
VH52A-2	2:15 PM - 2:30 PM	Christopher Waythomas, David Schneider, Kim Van Eaton, William Burton, Cheryl Cameron, Peter Cervelli, Michelle Coombs, Pavel Izbekov, Jessica Larsen, Larry Mastin, Robert McGimsey, Janet Schaefer, Alexa Van Eaton, Kristi Wallace, Rick Wessels	2016-17 Shallow Submarine Eruption of Bogoslof Volcano, Alaska—Preliminary Observations and Eruptive Products at a Back-Arc Volcano in the Southern Bering Sea
VH52A-3	2:30 PM - 2:45 PM	Geoff Kilgour, Ian Hamling, Ben Kennedy, Gert Lube, Stephanie Gates, Jonathan Proctor	Understanding small, phreatic eruptions: Ballistic ejecta, dilute pyroclastic currents and delineating ejecta from space after the 27th April, 2016 eruption of White Island
VH52A-4	2:45 PM - 3:00 PM	Bettina Scheu, Cristian Montanaro, Donald B. Dingwell	Phreatic & hydrothermal eruptions: Insights into energy budget and eruption dynamics based on field and laboratory studies
VH52A-5	3:00 PM - 3:15 PM	Joseph Walder	Energetics of Surtseyan eruptions: insights from the fluid dynamics and phenomenology of underwater chemical explosions
VH52A-6	3:15 PM - 3:30 PM	Greg Valentine, Alison Graettinger, James White, Pierre-Simon Ross	Updates to concepts on phreatomagmatic maar-diatremes and their pyroclastic deposits
VH52A-7 (invited)	3:30 PM - 3:45 PM	Christopher W. Hamilton	Explosive Lava–Water Interactions: Tephrostratigraphy and Eruption Processes
VH52A-8	3:45 PM - 4:00 PM	Frances Boreham, Katharine Cashman, Alison Rust	Linking Inflated Flow Margins, Lava–Water Interactions and Rootless Cone Formation

**VH52B: V.5 Evaluating hazards by mapping and interpreting volcanic deposits III**  
**Friday August 18, 2017. 2:00 PM - 4:00 PM Room B117-119**

Abstract Number	Time	Authors	Title
VH52B-1 (invited)	2:00 PM - 2:30 PM	Judy Fierstein	Multi-faceted tephra studies and mapping as complementary tools in establishing eruptive histories of explosive volcanic centers
VH52B-2	2:30 PM - 2:45 PM	Kristi Wallace, Leslie Hayden, Janet Schaefer, Katherine Mulliken, Cheryl Cameron, Christina Neal	Tephra marker horizons of the Aleutian Arc – A tephrochronology of largest eruptions in Alaska
VH52B-3	2:45 PM - 3:00 PM	Victoria Smith, Madeleine Humphreys, Michael Stock, Roberto Isaia, Takehiko Suzuki, Danielle McLean, Paul Albert	An apatite for tephrochronology
VH52B-4	3:00 PM - 3:15 PM	Maria Luisa Tejada, Sandra Catane, Catherine Lit, Allan Mandanas, Hannah Mirabueno, Renato Solidum, Maria Carmencita Arpa, Alyssa Peleo-Alampay, Allan Fernando	Tracing large volcanic eruptions from marine tephra layers in Philippine marginal basins
VH52B-5	3:15 PM - 3:30 PM	Christina Bonanati, Heidi Wehrmann, Kaj Hoernle, Steffen Kutterolf, Maxim Portnyagin, Maryam Mirzaloo, Dirk Nürnberg, Karen Strehlow	A 68,000 year tephra record in marine sediment cores offshore southeast Iceland

VH52B-6	3:30 PM - 3:45 PM	Paul Albert, Victoria Smith, Emma Tomlinson, Takehiko Suzuki, Masataka Yamada, Takeshi Nakagawa, Suigetsu 2006 Project Members	Constraints on the tempo of volcanism at Daisen and Sambe volcanoes (SW Japan) from the Lake Suigetsu sedimentary archive
VH52B-7	3:45 PM - 4:00 PM	Matthew Zimmerer, Matthew Heizler, William McIntosh	An age-based assessment of volcanic hazards within the Rio Grande Rift and along the Jemez Lineament, New Mexico, U.S.A.

**V552A: VII.3 Start spreading the news: Diverse and effective methods for communicating about volcanoes II****Friday August 18, 2017. 2:00 PM - 4:00 PM Room A106**

Abstract Number	Time	Authors	Title
VS52A-1	2:00 PM - 2:15 PM	Nicolas Fournier, Bradley J Scott	Volcanic Alert Bulletins 2.0: integrated volcano communication in New Zealand
VS52A-2	2:15 PM - 2:30 PM	Wendy Stovall, Elizabeth Westby	Keeping It Real with @USGSVolcanoes
VS52A-3	2:30 PM - 2:45 PM	Anna Hicks, Teresa Armijos, Jenni Barclay, Jonathan Stone, Richard Robertson, Gloria Patricia Cortes	Risk Communication Films: Process, product and potential for improving preparedness & adaptation
VS52A-4	2:45 PM - 3:00 PM	Sarah Brown, Steve Sparks, Anna Stewart, Jenni Barclay, Carolyn Driedger, John Pallister, Elizabeth Westby, Gill Jolly, Julian Thomson, Katcho Karume, Mony Murongani, Jean-Christophe Komorowski, Iain Stewart, Patricia Mothes, Richie Robertson, Stacey Selman-Edwards, Gokhan Atici, Bilge Karaman, Micol Todesco, Daniele Andronico, Augusto Neri, Esline Garaebiti	VolFilm: educational films to increase resilience to risks from volcanic hazards
VS52A-5	3:00 PM - 3:15 PM	Joseph Bard	What's the story with Mount Rainier? Taking a narrative approach to explaining Mount Rainier's volcanic hazards to general audiences using ESRI Story Maps
VS52A-6	3:15 PM - 3:30 PM	David Pyle	Curating volcanoes: sharing stories to build engagement
VS52A-7	3:30 PM - 3:45 PM	Brittany Brand, Michael Lindell, Alexa Dietrich	Promoting household preparedness to natural hazards using active-based learning
VS52A-8	3:45 PM - 4:00 PM	Rachel Teasdale, Kaatje van der Hoeven Kraft, Michael Poland	Use of real data in the classroom: Monitoring Mount St. Helens 2004 dome growth

**V552B: VII.4 Integrated volcanic risk assessment II****Friday August 18, 2017. 2:00 PM - 4:00 PM Room B116**

Abstract Number	Time	Authors	Title
VS52B-1 (invited)	2:00 PM - 2:15 PM	Thomas Wilson, Carol Stewart, Natalia Deligne, Graham Leonard, Susanna Jenkins, Joshua Hayes, Daniel Blake, Alec Wild	Assessing Volcanic Impacts to Society
VS52B-2	2:15 PM - 2:30 PM	Paul Taylor	The 1946 Eruption of Niuafu'ou Island, Kingdom of Tonga: Was an Evacuation Really Warranted?
VS52B-3	2:30 PM - 2:45 PM	Emma Singh, Tetsuya Okada, Christina Magill	Exposure of roads to volcanic ash from a future eruption from Mount Fuji, Japan: Implications for evacuation
VS52B-4 (invited)	2:45 PM - 3:00 PM	Sébastien Biass, Andrea Todde, Raffaello Cioni, Marco Pistolesi, Nobuo Geshi, Costanza Bonadonna	Potential impacts of tephra fallout from a Plinian eruption at Sakurajima volcano, Japan
VS52B-5	3:00 PM - 3:15 PM	Caroline Michellier, Florian Barette, Sylvain Kulimushi Matabaro, Innocent Kadekere, Marcellin Bahati Bifuko, Delphin Ciza Assani, Fanny Hage, Eléonore Wolff, Matthieu Kervyn	Assessing lava flow risk at Nyiragongo volcano, DR Congo. Part 1: Vulnerability of population and assets in Goma
VS52B-6	3:15 PM - 3:30 PM	Josh Hayes, Thomas Wilson, Natalia Deligne, Graham Leonard	Embracing deep uncertainties to transparently develop plausible scenarios for volcanic impact and risk assessment
VS52B-7	3:30 PM - 3:45 PM	Susan Loughlin, Anna Hicks, Jenni Barclay, Roger Few, Emily Wilkinson, Richard Robertson, Patricia Mothes, Gloria Patricia Cortes	Integrating diverse datasets and applying new knowledge: the use of scenario exercises in the STREVA project
VS52B-8	3:45 PM - 4:00 PM	Flavio Dobran	HTSUVIUS PENTALOGUE: Five key objectives for developing resilience and sustainability of populations surrounding Vesuvius

**Closing Ceremony****Friday August 18, 2017. 4:30 AM - 5:30 AM OCC Oregon Ballroom 201-203**

		Martin Streck, Jon Major, Don Dingwell, Roberto Sulpizio	
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