

Schedule

Physics and Chemistry of magmatic processes and melts: *Thursday morning*

#	time	author	Title
	09.00	Pfanz	INTRODUCTION
		Landrat Saftig Bgm.Lempertz	WORDS OF WELCOME
		Chair Hansteen	
	9:30 -	Friedrichs	Contrasting magma evolutions at Mt. Erciyes and Mt. Hasan stratovolcanoes, Central Anatolia, Turkey
		Allabar	Spontaneous phase separation of hydrous Vesuvius melt even at low decompression rates
		Colombier	Soluble salt concentrations on volcanic ash aggregates from a variety of eruption types and deposits
		Schmitt	Investigation of bromine chemistry in volcanic plumes in smog chamber experiments
		Soldati	Rheological variability of the 2018 Kilauea eruption
6	-11:00	Woith	Fluid migration, fast and slow
			COFFEE BREAK
		Chair Walter	
	11.30 -	Witt	How does lava fountaining and vent morphology influence each other? A case study 2014-2015 Holuhraun fissure eruption
		Zorn	The extrusion of spines during lava dome growth using analogue experiments
		Dahm	Long period volcano-seismic crises offshore Mayotte, Comoros Islands: indications of submarine caldera collapse?
		Dagoy	Surface loading changes as top-down controls on magma reservoir formation
		Plank	Space-based monitoring of the 2015 eruption of Villarrica Volcano, Chile
12	- 13:00	Rummel	Insights into the compositional evolution of crustal magmatic systems from coupled petrological-geodynamical models
			LUNCH BREAK

Volcano hazard and risk mitigation: *Thursday afternoon*

#	time	author	Title
	Chair	Bobrowski	
	14:00	D'Alessandro	Gas hazard: an often neglected volcanic hazard
		Einarsson	On the success rate of public warnings based on short-term seismic precursors to Icelandic eruptions
		Neuberg	The role of shear-stress in volcanic systems: a paradigm shift
		Rebscher	Necessity for and Challenges of Long-term Predictions of Volcanic Activity
		Schmid	The effect of vent asymmetry on volcanic jet dynamics
		Berberich	Degassing rhythms and fluctuations of geogenic gases in a red-ant nest, in soil and three mineral springs – Neuwied Basin (East Eifel Volcanic field, Germany)
19	-15.45	Sievers	Volcanic clouds: how aviation deals with them
			COFFEE BREAK and POSTER
	Chair	Lühr	
	16.15	Dinger	Analytical approach on the link between the Earth tidal potential and volcanic degassing
		Stern	Role of temperature and water content in the generation of volcanic lightning
		Van Camp	Repeated gravity measurements across the Rhenish massif
		Strecker	Interpreting volcanoes and volcanism: Explosive potential
		Mania	Dome growth during the 2016-2017 eruption sequence at Bezymianny volcano, Kamchatka, measured by high-resolution TerraSAR-X and photogrammetric data
25	17.45	Büchner	The Stolpen volcano in the Lausitz Field – volcanological, petrographic, and geochemical investigations
			POSTER
	19.30		DINNER

Monitoring: *Friday morning*

#	time	author	Title
	Chair	Platt	
	8:30 -	De Siena	Imaging source and dynamics of Campi Flegrei unrest in the last 40 years
		Gottschämmer	New insights from long-term seismic, infrasound and thermal measurements at Santiaguito volcano, Guatemala
		Drach	Fluid flow source model for harmonic tremor at Santiaguito volcano, Guatemala
		Rohnacher	Characteristics of central explosions at Santiaguito volcano
		Müller	High resolution mapping of the hot pots and geysers in El Tatio, Chile, reveals Structural and lithological controls on geothermal activity in El Tatio
		Vossen	Electrical monitoring of volcanic plumes: a multi-parametric analysis
		Walter	Imaging the 2013 explosive crater excavation and new dome formation at Volcán de Colima with TerraSAR-X, time-lapse cameras and modelling
33	-10:30	Sesterhenn	Energy-optimized and GPS-synchronized data acquisition system network for volcanic (infra)sound monitoring
			COFFEE BREAK
	Chair	D`Alessandro	
	11:00	Thomalla	Dynamics of carbon dioxide exhalations in Eifel and Vogtland mofettes
		Pfanz	Mofette vegetation as a geogenic indicator. The relation between plants and geogenic CO ₂ at the banks of the Laacher See/Vulkaneifel
		Ortenzi	Volcanic outgassing and early atmosphere build-up
		Niedermann	Noble gas, carbon and nitrogen isotopes in free gases of the Eifel volcanic area as tracers for a deep plume involvement
		Bräuer	Mantle-derived gases in the European Cenozoic Rift system: A comparison of gas signatures in the Eifel area with those in the French Massif Central and NW Bohemia
		Klügel	Magma plumbing at the Quaternary Emmelberg volcano (West Eifel volcanic field)
		Rout	Laacher See Phonolite, Cumulates and Syenites: Different eruption products that constrain the pre-eruptive history
41	- 13:00	Hornby	An experimental basis for estimating particle properties following volcanic ash emissions
			LUNCH BREAK

Eifel (invited talks and discussion): *Friday afternoon*

#	time	author	title
	Chair	Dahm	
	14:00 -	Schmincke	Evolution of the Laacher See eruption (LSE), its environmental impact and ongoing research
		Ritter	Seismological Constraints on Magmatism below the Eifel
		Wörner	Geochemical constraints on physical models of the Laacher See Magma system
45	15:20	Hensch	Seismological constraints on the magmatic plumbing system beneath Laacher See Volcano: Deep low-frequency earthquakes
	15:20-16:30	Dahm	Discussion on the present state of knowledge on a potential eruption of the Laacher See volcano
	16:30 – 17:00	Pfanz	Discussion, next PoV-2020 meeting. Excursion; final fair well.
			END OF POV 2019