

Session Program

11-12 Feb 2020

Physics of Volcanoes 2020
Monitoring and Risk Assessment

Geomatikum, H2
Bundesstraße 55, 20146 Hamburg

Tuesday 11 February

11:10

Monitoring and Risk Assessment: MRA one

Session | **Location:** Geomatikum, H2, Bundesstraße 55, 20146 Hamburg | **Convener:** Karen Strehlow

11:10–11:28

Automatic Detection of Volcanic Eruptions at Turrialba Volcano, Costa Rica, using a Neural Network Approach

Speaker

Fabio Venegas

11:28–11:46

The July/August 2019 eruption phase at Stromboli - analyzed by multi-sensor infrared satellite imagery

Speaker

Simon Plank

11:46–12:04

Processes culminating in the 2015 phreatic explosion at Lascar volcano, Chile, evidenced by multiparametric data

Speaker

Ayleen Gaete Rojas

12:04–12:22

A novel technique to investigate volcanic sulphur dioxide emissions - First measurement results with imaging Fabry-Perot interferometer correlation spectroscopy

Speaker

Mr Christopher Fuchs

12:22–12:40

Reliable Measurement of Ozone in Volcanic Plumes by Gas-Phase Chemiluminescence

Speaker

Ulrich Platt

12:40

Wednesday 12 February

14:30

Monitoring and Risk Assessment: MRA two

Session | **Location:** Geomatikum, H2, Bundesstraße 55, 20146 Hamburg | **Conveners:**
Dr Ulrich Kueppers, Lea Scharff

14:30–14:48

A new development of drop-sondes for the measurement of CO₂-concentrations at extended volcanic areas

Speaker

Prof. Konradin Weber

14:48–15:06

Characterization of a hot “fumarolic mofette” at Caldeiras da Ribeira Grande/S. Miguel, Azores

Speaker

Prof. Hardy Pfan

15:06–15:24

Analysis of volume changes at Santiaguito volcano, Guatemala, using TanDEM-X data

Speaker

Ann-Kathrin Edrich

15:24–15:42

UAS-based tracking of the Santiaguito Lava Dome, Guatemala

Speaker

Mr Edgar Zorn

15:42–16:00

Precursors and processes culminating in the Anak Krakatau December 2018 sector collapse and tsunami

Speaker

Thomas R. Walter

16:00