

Best One-Minute Poster (“Science Slam”) Presentation

Nicolau Wallenstein – IVAR (Portugal)

T1.1-P2 Analysis of multiple detections of May 2011 Grímsvötn (Iceland) eruptive activity at different IMS infrasound stations and its correlation with local observations

‘IMS infrasound network can be used for remote monitoring of volcanic explosive activity, which is the only Earth’s Subsystems phenomena that may simulate near-surface nuclear explosions and allow to test and analyse the infrasound network detection capability.’

Best Poster Presentation

Sherif M. Ali - National Research Institute of Astronomy and Geophysics (NRIAG) (Egypt)

T1.2-P68: Present-day stress field in NW Himalaya and surrounding regions based on inversion of earthquake focal mechanisms

‘The earthquakes from monitoring networks of (NEIC), (HRVD) and (GCMT) that have been compiled through this study constitute a massive reservoir of data that can support advances in the earth sciences on a global, regional and local scale.’

Best Oral Presentation

Julien Vergoz – CEA (France)

T1.3-01 Analysis of Hydroacoustic Signals Associated to the Loss of the Argentinian ARA San Juan Submarine

‘Ara San Juan submarine, hydroacoustic, array processing, location, full waveform modelling, cepstrum, cepstral analysis’

Best Presentation by a Young Scientist

Florian Fuchs - University of Vienna (Austria)

T1.4-02 Complex Propagation of Explosion-Generated Infrasound Revealed by the Large-Scale AlpArray Seismic Network

‘Our work highlights the usefulness of dense seismic networks to study the complex propagation of explosion generated infrasound in regional scale. This is exemplified by data from 400 seismic stations following a refinery explosion near Ingolstadt, Germany, on September 1st 2018.’

European Union Star Award

Paolo Tristan Faller Cruz – PNRI (Philippines)

T2.4-03 - Assessment of Temporal Variations of Natural Radionuclides Beryllium-7 and Lead-212 in Surface Air in Tanay, Philippines

‘Exposure to air-borne contaminants may result to significant environmental and human health effects. The research discussed in this presentation helps us to understand how air particles are distributed in the surface air particularly in countries with tropical climates.’