

*Integrating Geophysical Observations from Ground to Space
for Earthquake and Volcano Investigations*

EMSEV-2018 in Italy

Potenza 17-21 September 2018

First circular: Save the date !

EMSEV (Electro-Magnetic Studies of Earthquakes and Volcanoes) is an Interdisciplinary **IUGG Working Group** supported by **IASPEI**, **IAGA**, and **IAVCEI**. The next biennial symposium “EMSEV 2018” will be held in Potenza (Italy) 17-21 September 2018 (<http://web.unibas.it/emsev2018/>). The workshop will focus on the observation and understanding of various kinds of electromagnetic phenomena associated with earthquakes and volcanic eruptions particularly from a multidisciplinary point of view. It would be a great opportunity for students and young researchers to present their scientific research and achievements as well as a valuable occasion for the building of interdisciplinary co-operation among researchers worldwide.

Topics of EMSEV 2018 International Workshop

- Electromagnetic signals associated with earthquakes and volcanic eruptions (occurrence and preparatory processes);
- Satellite Remote Sensing for volcanic and seismic hazard assessment and monitoring;
- Magnetospheric, ionospheric and atmospheric phenomena associated with seismic and volcanic activities;
- Integration of electromagnetic and other geophysical observations (mechanical, geochemical, seismological, geodetic, geological, tectonic, etc.);
- Electromagnetic methods for seismicity monitoring (e.g. natural and induced, micro-seismicity, fluid migration, etc.);
- Signal recognition, data processing and modelling;
- Theoretical and laboratory studies for understanding seismic and volcanic phenomena;
- Electromagnetic imaging and modelling of seismic and volcanic structures;
- Ongoing international initiatives (EMSO, EPOS, GEOSS, etc.), recent and future satellite missions (CSES, Swarm, etc.);
- Reliability of precursor signals of earthquakes and volcanic eruptions.

Local Organizing Committee

Chair: Prof. Valerio Tramutoli (Università della Basilicata); valerio.tramutoli@unibas.it

Co-chair: Prof. Nicola Pergola (IMAA - CNR); nicola.pergola@imaa.cnr.it

Important Deadlines

Abstract submission: May 15, 2018

Pre-registration: August 15, 2018 - **Web site:** <http://web.unibas.it/emsev2018/>

Place: The Symposium will take place in the Potenza historical city centre.

Registration fee: Participant: 250€, Student: 100€, Accompanying Person: 100€

Contact: EMSEV2018 LOC emsev2018@gmail.com

We look forward to seeing you in Potenza on September 17-21, 2018 !