

Mauro Palo received his master's degree in physics in 2004 and PhD in Physics in 2008 from the University of Salerno (Italy). He was post-doc at the same university from 2008 to 2012 where he studied and modelled the physical mechanisms of the Strombolian volcanic explosions by seismic observations adopting numerical approaches from seismology, theory of nonlinear dynamic systems, unsupervised machine learning. From 2012 to 2016 he was associate researcher at the seismology section of the GeoForschungsZentrum of Potsdam (Germany) where he investigated the fracture propagation during large earthquakes of the Chilean subduction zone and the small-scale physical rock properties by the differential arrival times of clusters of earthquakes. From 2017 to 2021 he was senior data scientist at GEIRI Research Institute of Berlin (Germany) where he developed advanced numerical solutions for the automatic monitoring of high-voltage power systems. Since 2022 he is senior Assistant Professor at the Department of Physics "Ettore Pancini" of University of Naples "Federico II". Currently his research focuses on the spatiotemporal properties of the microseismicity and the segmentation of the fault networks combining advanced numerical techniques and seismological approaches. He is member of the RISSC (Experimental and Computational Seismological Research Unit) Lab of the University of Naples Federico II and is involved in scientific and commercial projects on the real-time seismic monitoring for risk mitigation and source and medium characterization.