

# SIMONE FRANCESCO FORNASARI

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## EDUCATION

2020-present    PhD in Earth Science, Fluid-Dynamics, and Mathematics  
                    **University of Trieste**

2017-2019      M.S. in Geoscience  
                    **University of Trieste**

2013-2017      B.S. in Physics  
                    **University of Trieste**

## PUBLICATIONS

*Near-Real-Time Strong Motion Acquisition at National Scale and Automatic Analysis*  
Giovanni Costa, Piero Brondi, Laura Cataldi, Stefano Cirilli, Deniz Ertuncay, Piero Falconer, Luisa Filippi, Simone Francesco Fornasari, Veronica Pazzi, Philippe Turpaud  
Sensors - 2022

*Machine-Learning Approach for the Reconstruction of Ground-Shaking Fields in Real Time*  
Simone Francesco Fornasari, Veronica Pazzi, Giovanni Costa  
Bulletin of the Seismological Society of America - 2022

## CONFERENCES

*The road to real time ground shaking maps is paved with ORB packages*  
Simone Francesco Fornasari, Veronica Pazzi, Giovanni Costa  
Antelope User Group 2023, Vienna, Austria, oral presentation

*Development of a hybrid GMPE-less ShakeMap implementation for real-time ground shaking maps reconstruction*  
Simone Francesco Fornasari, Veronica Pazzi, Giovanni Costa  
EGU General Assembly 2023, Vienna, Austria, oral presentation

*Real-Time Ground Shaking Maps Reconstructions With a Hybrid ShakeMap Implementation*  
Simone Francesco Fornasari, Veronica Pazzi, Giovanni Costa  
SSA Annual Meeting 2023, San Juan, Puerto Rico, oral presentation

*Real-time ground-shaking maps reconstruction of late 2022 Italian earthquakes*  
Simone Francesco Fornasari, Veronica Pazzi, Giovanni Costa  
GNGTS23 and AGLC23, Bologna, Italy, oral presentation

*Investigating machine-learning based mapping techniques for seismic data denoising*  
Simone Francesco Fornasari (in collaboration with Deniz Ertuncay)  
EEML 2022, virtual, poster

*A machine-learning approach for the reconstruction of ground shaking fields in real-time*  
Simone Francesco Fornasari, Veronica Pazzi, Giovanni Costa  
EGU General Assembly 2022, virtual, oral presentation

## AWARDS

2022      *Outstanding Student and PhD candidate Presentation (OSPP) Award*  
EGU General Assembly 2022

## OUTREACH

2022      *Terremoti d'Italia*  
Trieste, Italy, science expo

2021      *Trieste Next: Sicurezza geologica, terremoti, reti di monitoraggio sismico e mappe di scuotimento*  
Trieste, Italy, science fair