



PERSONAL DATA

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WORK EXPERIENCE

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| <ul style="list-style-type: none">• Period• Name and institution address• Type of company• Position• Main activities and responsibilities | <p>From October 1st 2013 – to date</p> <p>Icelandic Meteorological Office (IMO) - Bústaðavegur 7-9, 150 Reykjavík</p> <p>Research and monitoring institution in meteorology, hydrology, glaciology, climatology, seismology and volcanology</p> <p>Postdoc researcher</p> <p>The fellow is supported by funds of the European project REAKT: the general objective of the project is to improve the efficiency of real time earthquake risk mitigation methods. In particular the main activity concern the implementation of an operational earthquake forecasting in South Iceland seismic zone</p> |
| <ul style="list-style-type: none">• Period• Name and institution address• Type of company• Position• Main activities and responsibilities | <p>From June 5th 2013 –September 29th 2013</p> <p>Istituto Nazionale di Geofisica e Vulcanologia – Piazza Roma, 2 – Catania – Osservatorio Etneo</p> <p>Research and monitoring institution in seismology and volcanology</p> <p>Scholarship holder</p> <p>Advanced Training Course VULCAMED entitled "Geophysics and volcanology research for the monitoring of natural and environmental risks and for the protection and use of land resources"</p> |
| <ul style="list-style-type: none">• Period• Name and institution address• Type of company• Position• Main activities and responsibilities | <p>From March 25th 2013 - to June 22th 2013</p> <p>Università degli Studi di Catania – P.zza dell'Università, 2 – Catania – Dipartimento di Scienze Biologiche, Geologiche ed Ambientali – Sezione Scienze della Terra</p> <p>Educational and research institution</p> <p>External consultant</p> <p>Geological and geo-structural characterization of rock masses and fractures survey. Seismic site response in presence of fractures through measurements campaign by noise recordings, elaborated with spectral ratios and wave polarization techniques. Interpretation of the results using 1D numerical modelling for seismic site response as a function of the geotechnical model (thickness, density, shear wave velocity).</p> |

<ul style="list-style-type: none"> • Period • Name and institution address • Type of company • Position • Main activities and responsibilities 	<p>From November 29th 2011 to February 01st 2012</p> <p>University of Malta – Physics Department - Seismic Monitoring and Research Unit (SMRU) - Msida MSD 2080 – MALTA</p> <p>Educational and research institution</p> <p>Research Fellow – XIII Executive Programme for Cultural Collaboration between Malta and Italy (selection 2011)</p> <p>Seismic hazard and seismic site response evaluation in Malta island</p>
<ul style="list-style-type: none"> • Period • Name and institution address • Type of company • Position • Main activities and responsibilities 	<p>From March 13rd 2011 to March 24th 2011</p> <p>University of Malta – Physics Department - Seismic Monitoring and Research Unit (SMRU) - Msida MSD 2080 – MALTA</p> <p>Educational and research institution</p> <p>Ph.D. student</p> <p>Geophysical measurements campaign in Malta by microtremors recordings, for the evaluation of the fundamental frequencies of outcropping soils and use of MASW and ReMi techniques.</p>
<ul style="list-style-type: none"> • Period • Name and institution address • Type of company • Position • Main activities and responsibilities 	<p>From December 15th 2008 to March 01st 2012</p> <p>Università degli Studi di Catania – P.zza dell'Università, 2 – Catania</p> <p>Dipartimento di Scienze Biologiche, Geologiche ed Ambientali – Sezione Scienze della Terra</p> <p>Educational and research institution</p> <p>Ph.D. student</p> <p>Approaches to earthquake scenarios validation using seismic site response</p>

EDUCATION AND TRAINING

<ul style="list-style-type: none"> • Period • Name and type of organization providing education and training • Principal subjects / occupational skills covered • Title of qualification awarded • Level in national classification 	<p>October 2005 – July 2008</p> <p>Degree course Geophysical Science at the “Università degli Studi di Catania”</p> <p>Seismology, Geophysics, Volcanology</p> <p>In July 18th 2008, Doctor in Geophysical Science (Class n° 85/S degrees in Geophysical Sciences Ministerial Decree 28/11/2000) with the dissertation “<i>Experimental and Numerical Methods for Local Seismic Response Evaluation of the Catania Urban Area</i>”</p> <p>Degree with mark 110/110 cum laude</p>
<ul style="list-style-type: none"> • Period • Name and type of organization providing education and training • Principal subjects / occupational skills covered • Title of qualification awarded 	<p>October 2001 – October 2005</p> <p>Bachelor course Geophysics applied to the defense of the territory at the “Università degli Studi di Catania”</p> <p>Physics of the earth, Geology, Volcanology</p> <p>In October 28th 2005, Doctor in Geophysics applied to the defence of the territory (Class n° 16 degrees in Earth Sciences Ministerial</p>

<ul style="list-style-type: none"> • Level in national classification 	<p>Decree 08/04/2000) with the dissertation <i>"Measurements of ambient noise for the evaluation of soft sediments thickness in the NE sector of the Catania Plain"</i></p> <p>Bachelor with mark 110/110 cum laude</p>
<ul style="list-style-type: none"> • Period • Name and type of organization providing education and training • Principal subjects / occupational skills covered • Title of qualification awarded • Level in national classification 	<p>1996/97 – 2000/01</p> <p>Liceo Scientifico Statale "Gallileo Galilei" – Via Vescovo Maurizio, 73 – 95100 - Catania</p> <p>Mathematics, physics, natural sciences, Italian literature, philosophy</p> <p>Italian senior high school of scientific order</p> <p>with mark 94/100</p>

PARTICIPATION IN RESEARCH PROJECTS

<ul style="list-style-type: none"> • Period • Description 	<p>2011- 2014</p> <p>REAKT - Strategies and tools for Real Time EArthquake Risk ReducTion</p>
<ul style="list-style-type: none"> • Funding institution 	<p>European Commission SEVENTH FRAMEWORK PROGRAMME Environment (including climate change) Call: FP7-ENV-2011 / Collaborative project</p>
<ul style="list-style-type: none"> • Position • Head of project • Research program 	<p>Postdoc research fellow</p> <p>Prof. Paolo Gasparini</p> <p>The general objective of the Project is to improve the efficiency of real time earthquake risk mitigation methods and its capability of protecting structures, infrastructures and people.</p>
<ul style="list-style-type: none"> • Period • Description 	<p>2012-2015</p> <p>VULCAMED - PON03 Potenziamento strutturale di centri di ricerca per lo studio di aree vulcaniche ad alto rischio e del loro potenziale geotermico nel contesto della dinamica ambientale mediterranea</p>
<ul style="list-style-type: none"> • Funding institution • Position • Head of project • Research program 	<p>European Structural Fund</p> <p>Scholarship holder</p> <p>Dr. Marcello Martini</p> <p>Advanced Training Course VULCAMED entitled " Geophysics and volcanology research for the monitoring of natural and environmental risks and for the protection and use of land resources"</p>

<ul style="list-style-type: none"> • Period • Description • Funding institution • Position • Head of project • Research program 	<p>2010-2012</p> <p>Progetto di ricerca d'Ateneo (PRA) – Anno finanziario 2008</p> <p>Università degli studi di Catania</p> <p>Ph.D. Student</p> <p>Dr. Agata Di Stefano (Università di Catania)</p> <p>Multidisciplinary study of Neogene-Quaternary sequences in the Mediterranean region: geodynamic implications, stratigraphic, and aspects of seismic hazard and site response</p>
<ul style="list-style-type: none"> • Period • Description • Funding institution • Position • Head of project • Research program 	<p>2007-2009</p> <p>Progetto di ricerca d'interesse nazionale (PRIN2007)</p> <p>Ministero dell'Istruzione, Università e Ricerca (MIUR)</p> <p>Ph.D. Student</p> <p>Prof. Marco Mucciarelli (Università della Basilicata)</p> <p>Validazione di tecniche semplificate per la stima dell'amplificazione sismica di sito</p>

TRAINING COURSES

<ul style="list-style-type: none"> • Period • Description • Name of the institution providing the course 	<p>11-12/12/2009</p> <p>Nuove Norme Tecniche per le Costruzioni NTC 2008</p> <p>Ordine Regionale dei Geologi di Sicilia - Viale Lazio, 2/A – 90144 - Palermo</p>
<ul style="list-style-type: none"> • Period • Description • Name of the institution providing the course 	<p>18/9/2009</p> <p>Giornata di studio “Norme tecniche per le costruzioni (D.M. 14.01.2008)”</p> <p>Associazione dei Geologi della Provincia di Catania</p>
<ul style="list-style-type: none"> • Period • Description • Name of the institution providing the course 	<p>15/9/2009</p> <p>Corso di aggiornamento professionale A.P.C. “Utilizzo delle onde di superficie per la caratterizzazione dei siti (velocità delle onde di taglio, $V_{s,30}$ e altro): tecniche sismiche attive e passive”</p> <p>ATS Formazione - Via A. Veneziano, 77b - 90138 - Palermo</p>
<ul style="list-style-type: none"> • Period • Description • Name of the institution providing the course 	<p>15/6/2009</p> <p>Giornata Formativa sulla “Caratterizzazione Geofisica del Sottosuolo mediante Tecniche di Indagine Attive e Passive”</p> <p>Micromed s.p.a. - Via Giotto, 2 - 31021 - Mogliano Veneto (TV)</p>

PARTICIPATION TO NATIONAL CONFERENCES

<ul style="list-style-type: none"> • Period • Description • Name and institution address 	<p>20 -22/11/2012</p> <p>GNGTS 31° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida - Potenza (Italy)</p> <p>OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale)</p> <p>Borgo Grotta Gigante, 42/C – 34010 - Sgonico (TS)</p>
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• Period	14 -17/11/2011
• Description	GNGTS 30° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida- Trieste (Italy)
• Name and institution address	OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) Borgo Grotta Gigante, 42/C – 34010 - Sgonico (TS)
• Period	26-28/11/2010
• Description	GNGTS 29° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida - Prato (Italy)
• Name and institution address	OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) Borgo Grotta Gigante, 42/C – 34010 - Sgonico (TS)
• Period	16-19/11/2009
• Description	GNGTS 28° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida - Trieste (Italy)
• Name and institution address	OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) Borgo Grotta Gigante, 42/C – 34010 - Sgonico (TS)

PARTICIPATION TO INTERNATIONAL CONFERENCES

• Period	13-15/01/2014
• Description	Third workshop NERA-WP5 - Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation
• Name and institution address	Icelandic Meteorological Office (IMO) - Bústaðavegur 7-9, 150 Reykjavík, Iceland
• Period	23-25/10/2013
• Description	Second annual meeting of the REAKT project - Strategies and tools for Real Time EArthquake RiSk ReducTion
• Name and institution address	ETH Zurich - Rämistrasse, 101 - 8092 - Zurich, Switzerland
• Period	18-24/05/2013
• Description	40th Workshop of the International School of Geophysics "Properties and Processes of Crustal Fault Zones" - Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily
• Name and institution address	INGV (Istituto Nazionale di Geofisica e Vulcanologia) - Sismologia e Tettonofisica - Via di Vigna Murata, 605 - 00143 – Rome, Italy
• Period	13 -17/02/2012
• Description	XXXII International Workshop RELEMR (Reducing Earthquake Losses in the Extended Mediterranean Region)
• Name and institution address	Sliema (Malta) UNESCO (United Nations Educational, Scientific and Cultural Organization) – Section for Disaster Reduction Natural Sciences sector – rue Miollis, 1 – 75732 – Paris, France
• Period	2-7/05/2010
• Description	European Geosciences Union - General Assembly 2010 (international congress)
• Name and institution address	Wien (Austria) EGU (European Geosciences Union)

TEACHING ACTIVITIES

Co-Tutor in thesis

1. Risposta di sito e polarizzazione del moto del suolo nella faglia di Piedimonte Etneo. (*Tesi di Eliana Pensiero – anno accademico 2010/2011 – presso l'Università degli studi di Catania*)
2. Valutazione del comportamento dinamico di edifici campione nell'area di Siracusa (*Tesi di Emanuela Longo – anno accademico 2010/2011 – presso l'Università degli studi di Catania*)
3. Risposta di sito e polarizzazione del moto del suolo nella faglia di Piedimonte Etneo (*Tesi di Elisa Di Maio – anno accademico 2010/2011 – presso l'Università degli studi di Catania*)
4. Valutazione del comportamento dinamico di un edificio nell'area urbana di Catania (*Tesi di Sergio Montalbano – anno accademico 2010/2011 – presso l'Università degli studi di Catania*)
5. Geologia e risposta sismica locale dell'area urbana di Siracusa. (*Tesi di Agostino Incardona – anno accademico 2009/2010 – presso l'Università degli studi di Catania*)
6. Risposta sismica locale ed effetti direzionali nelle faglie di Ragalna e Masseria Cavaliere (Etna). (*Tesi di Graziella Costantino – anno accademico 2009/2010 – presso l'Università degli studi di Catania*)
7. Applicazioni di metodi empirici e sperimentali per la valutazione del periodo proprio degli edifici nell'area urbana di Ortigia (Siracusa). (*Tesi di Vincenzo Salamanca – anno accademico 2009/2010 – presso l'Università degli studi di Catania*)

Tutoring activities

Field and laboratory drills in the frame of the course of Geophysics of the Urban Areas, degree in Geological Sciences, held at the University of Catania, on topics related to geophysical prospecting using the dispersive properties of surface waves (MASW and ReMi techniques), use of computer codes for 1D numerical modeling of the seismic response and experimental techniques for the evaluation of site response (spectral ratios of microtremors), for a total of about 10 hours per year since 2009 to 2013.

GUEST EDITOR & REVIEWER ACTIVITIES

1. Guest Editor for the Journal of Physics and Chemistry of the Earth from September 2012 to August 2013
2. Reviewer for the Journal Xjenza
3. Reviewer for Bulletin of Earthquake Engineering
4. Reviewer for the Journal of Physics and Chemistry of the Earth
5. Reviewer for the Journal Engineering Geology
6. Reviewer for the ETH (Eidgenössische Technische Hochschule) Zurich Research Commission

LIST OF RESEARCH PRODUCTS

Publications in international scientific journals (Peer – reviewed)

1. D'Amico S, Agius M.R., Galea P, **Panzerà F** (2014). Performance evaluation of Wied Dalam (WDD) seismic station in Malta. *Xjenza (Submitted)*

2. **Panzerà F**, Pischiutta M, Lombardo G, Monaco C, Rovelli A (2014). Wavefield polarization on fault zones in the western flank of Mt. Etna: observation and fracture orientation modeling. *Pure and Applied Geophysics* **(Submitted)**
3. **Panzerà F**, Lombardo G, Monaco C, Di Stefano A (2014). Seismic site effects observed on sediments and basaltic lavas outcropping in a test site of Catania, Italy. *Natural Hazard* **(Submitted)**
4. **Panzerà F**, D'Amico S, Lombardo G, Longo E (2014). Evaluation of building fundamental periods and effects of local geology on ground motion parameters in the Siracusa area, Italy. *Bulletin of Earthquake Engineering* **(Submitted)**
5. **Panzerà F**, Lombardo G, Muzzetta I (2013). Evaluation of buildings dynamical properties through in-situ experimental techniques and 1D modelling: the example of Catania, Italy. *Journal of Physics and Chemistry of the Earth Vol. 63*, pp. 136-146. DOI 10.1016/j.pce.2013.04.008
6. **Panzerà F**, D'amico S, Galea P, Lombardo G, Pace S, Gallipoli M R (2013). Geophysical measurements for site response investigation: preliminary results on the island of Malta. *Bollettino di Geofisica Teorica ed Applicata Vol. 54*, n. 2, pp. 111-128. DOI: 10.4430/bgta0084
7. **Panzerà F**, Lombardo G (2013). Seismic property characterization of lithotypes cropping out in the Siracusa urban area, Italy. *Engineering Geology Vol. 153*, pp. 12-24. DOI: 10.1016/j.enggeo.2012.11.011
8. **Panzerà F**, D'Amico S, Lotteri A, Galea P, Lombardo G (2012). Seismic site response of unstable steep slope using noise measurements: the case study of Xemxija bay area, Malta. *Natural Hazard and Earth Science System Vol. 12*, pp. 3421-3431, DOI: 10.5194/nhess-12-3421-2012
9. **Panzerà F**, Lombardo G, Rigano R (2011). Use of different approaches to estimate seismic hazard: the study cases of Catania and Siracusa, Italy. *Bollettino di Geofisica Teorica ed Applicata Vol. 52*, n.4, pp. 687-706. DOI: 104430/bgta0027
10. **Panzerà F**, Lombardo G, Rigano R (2011). Evidence of topographic effects analysing ambient noise measurements: the study case of Siracusa, Italy. *Seismological Research Letters Vol. 82*, n° 3, pp. 385- 391. DOI: 10.1785/gssrl.82.3.385
11. **Panzerà F**, Rigano R, Lombardo G, Cara F, Di Giulio G, Rovelli A (2011). The role of alternating outcrops of sediments and basaltic lavas on seismic urban scenario: the study case of Catania, Italy. *Bulletin of Earthquake Engineering Vol. 9*, n° 2, pp. 411-439. DOI: 10.1007/s10518-010-9202-x.

Preface

1. D'amico S, Lombardo G, **Panzerà F** (2013). Seismicity of the Mediterranean region and mitigation of earthquake losses. *Physics and Chemistry of the Earth, Vol. 63*, pp. 1-2. DOI: 10.1016/j.pce.2013.07.001

Chapters in book

1. **Panzerà F**, Lombardo G, D'amico S (2014). Fundamental periods and effects of local geology to prevent the damage of historical buildings. In *"Seismic Assessment and Rehabilitation of Historic Structures"*, edited by P. Asteris, IGI Global, **(Submitted)**

2. **Panzerà F**, Lombardo G, D'amico S, Galea P (2013). Speedy techniques to evaluate seismic site effects in particular geomorphologic conditions: faults, cavities, landslides and topographic irregularities. In *"Engineering Seismology, Geotechnical and Structural Earthquake Engineering"*, edited by S. D'Amico, InTech, pp. 101-145. ISBN: 978-953-51-1038-5
3. Lombardo G, Rigano R, **Panzerà F** (2011). Effetti di sito in faglie, cavità e rilievi topografici. In *"Tecniche speditive per la stima dell'amplificazione sismica e della dinamica degli edifici - Studi teorici ed applicazioni professionali"*, edited by M. Mucciarelli, Aracne Editrice, Roma, p. 73-121. ISBN: 978-88-548-4495-7

Abstract in international conferences

1. **Panzerà F**, Vogfjörð K, Zechar J D, Eberhard D (2014). Operational earthquake forecasting in the South Iceland Seismic Zone: improving the earthquake catalogue. In: *EGU General Assembly 2010. Geophysical Research Abstract. Wien (Austria), 2014 April 27th - May 2nd, poster section, Copernicus, Vol. 16 EGU2014-10510, (Submitted)*
2. Damico S, Galea P, **Panzerà F**, Lombardo G (2014). Shear wave velocity inversion and its influence on seismic site response: case studies from Malta and Catania (Italy). In: *EGU General Assembly 2010. Geophysical Research Abstract. Wien (Austria), 2014 April 27th - May 2nd, poster section, Copernicus, Vol. 16 EGU2014- 15855, (Submitted)*
3. Damico S, **Panzerà F**, Galea P (2013). Seismic hazard maps for the Maltese archipelago: preliminary results. In: *46th annual meeting American Geophysical Union (AGU). San Francisco (California), 2013 December 9-13, poster section, Control ID: 1807406. http://meetings.agu.org/abstract_db/*
4. **Panzerà F**, Pischiutta M, Lombardo G, Monaco C, Di Stefano A, Rovelli A (2013). Wavefield polarization on tectonic structures: evidence from ambient noise measurements on the Ragalna fault system (Mt. Etna). In: *40th Workshop of the International School of Geophysics "Properties and Processes of Crustal Fault Zones". Erice, Sicily, Italy, 2013 May 18-24, poster section, p. 66-67, http://istituto.ingv.it/l-ingv/convegni-e-seminari/archivio-congressi/convegni-2013/Fault_Zones_Workshop/view*
5. **Panzerà F**, Lombardo G, Damico S, Di Stefano A, Galea P, Monaco C (2012). Evidence of directional site effects on fault zones: observations from south-eastern Sicily and Malta In: *33rd European Seismological Commission (ESC) General Assembly 2012. Book of abstracts. Moscow (Russia), 2012 August 19-24, poster section, IPE RAS, p. 411-412*
6. **Panzerà F**, Damico S, Lotteri A, Galea P, Lombardo G (2012). Ambient Noise Measurements in a Zone Affect by Lateral Spreading Effects: the Case Study of Xemxija Bay Area, Malta. In: *33rd European Seismological Commission (ESC) General Assembly 2012. Book of abstracts. Moscow (Russia), 2012 August 19-24, oral section, IPE RAS, p. 409-410*
7. D'Amico S, Gallipoli M R, Galea P, **Panzerà F**, Lombardo G (2012). An ambient noise HVSR survey in Valletta world heritage site and the historical city of Mdina, Malta. In: *XXXII International Workshop UNESCO - RELEMR (Reducing Earthquake Losses in the Extended Mediterranean Region). Sliema (Malta), 2012 February 13-16, oral section, printed in Malta UNESCO, p. 54-55, report n. SC/BES/DR/2012/1*

8. Pace S, D'Amico S, Galea P, **Panzerà F**, Lombardo G (2012). Site effects and earthquake ground motion scenario for the Xemxija area (Malta). In: *XXXII International Workshop UNESCO - RELEMR (Reducing Earthquake Losses in the Extended Mediterranean Region)*. Sliema (Malta), 2012 February 13-16, oral section, printed in Malta UNESCO, p. 51-52, report n. SC/BES/DR/2012/1
9. **Panzerà F**, Lombardo G, D'Amico S, Galea P (2012). Is the evaluation of topographic effects an easy task? In: *XXXII International Workshop UNESCO - RELEMR (Reducing Earthquake Losses in the Extended Mediterranean Region)*. Sliema (Malta), 2012 February 13-16, oral section, printed in Malta UNESCO, p.47-48, report n. SC/BES/DR/2012/1
10. **Panzerà F**, Lombardo G, Rigano R (2010). Seismic hazard assessment in the Catania and Siracusa urban areas (Italy) through different approaches. In: *EGU General Assembly 2010. Geophysical Research Abstract. Wien (Austria), 2010 May 2-8, poster section, Copernicus, Vol. 12, EGU2010-789-1, eISSN 1607-7962*
11. **Panzerà F**, Lombardo G, Rigano R, Cara F, Di Giulio G, Rovelli A (2010). Topographic effects in the local seismic response at a test site in Catania (Italy). In: *EGU General Assembly 2010. Geophysical Research Abstract. Wien (Austria), 2010 May 2-8, poster section, Copernicus, Vol. 12, EGU2010-787-4, eISSN 1607-7962*

Proceeding in national conferences

1. **Panzerà F**, D'Amico S, Lombardo G, Longo E. (2013). Fundamental period of buildings, seismic site response and implications on earthquake seismic action definition in the Siracusa area, Italy. In: *GNGTS 32° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 19-21 Nov. 2013, poster section, TRIESTE: Mosetti Tecniche grafiche, p. 103-109, ISBN: 978-88-902101-7-4*
2. Sicali S, Barbano M S., Lombardo G, D'Amico S, **Panzerà F** (2013). Space-time changes of seismic activity at Mt. Etna volcano (Italy) observed through statistical approaches. In: *GNGTS 32° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 19-21 Nov. 2013, poster section, TRIESTE: Mosetti Tecniche grafiche, p. 277-285, ISBN: 978-88-902101-6-7*
3. **Panzerà F**, D'Amico S, Galea P, Lombardo G (2012). The role of slope instability on directional site effects observed at Fekruna bay, Malta. In: *GNGTS 31° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Potenza, 20-22 Nov. 2012, poster section, TRIESTE: Mosetti tecniche grafiche, p. 206-214, ISBN 978-88-902101-2-9*
4. **Panzerà F**, Lombardo G, Monaco C, Di Stefano A, D'Amico S, Galea P (2012). Site effects on fault-zone: results from ambient noise measurements In: *GNGTS 31° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Potenza, 20-22 Nov. 2012, poster section, TRIESTE: Mosetti tecniche grafiche, p. 214-220, ISBN 978-88-902101-2-9*

Abstract in national conferences

1. D'Amico S, **Panzerà F**, Pace S, Galea P, Lombardo G, Akingi A (2011). Stochastic ground motion simulations for seismic hazard assessment in the urban area of Xemxija, Malta. In: *GNGTS 30° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 14-17 Nov. 2011, poster section, TRIESTE: Mosetti tecniche grafiche, p. 356-357, ISBN/ISSN: 978-88-902101-6-8*
2. **Panzerà F**, Pace S, D'Amico S, Galea P, Lombardo G (2011). Preliminary results on the seismic properties of main lithotypes outcropping on Malta. In: *GNGTS 30° Convegno Nazionale. Gruppo*

Nazionale di Geofisica della Terra Solida. Trieste, 14-17 Nov. 2011, poster section, TRIESTE: Mosetti tecniche grafiche, p. 306-308, ISBN/ISSN: 978-88-902101-6-8

3. **Panzerà F**, Lombardo G, Monaco C (2011). Ground motion polarization on fault zones: observations on Mt. Etna volcano and Hyblean area. *In: GNGTS 30° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 14-17 Nov. 2011, poster section, TRIESTE: Mosetti tecniche grafiche, p. 303-306, ISBN/ISSN: 978-88-902101-6-8*
4. Pace S, **Panzerà F**, D'Amico S, Galea P, Lombardo G (2011). Modelling of ambient noise HVSR in a complex geological area: case study of the Xemxija bay area, Malta. *In: GNGTS 30° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 14-17 Nov. 2011, oral section, TRIESTE: Mosetti tecniche grafiche, p. 299-302, ISBN/ISSN: 978-88-902101-6-8*
5. **Panzerà F**, Lombardo G, Rigano R (2010). Seismic characterization of main lithotypes outcropping in the Siracusa urban area. *In: GNGTS 29° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Prato, 26-28 Ott. 2010, poster section, TRIESTE: Stella, p. 281-283, ISBN/ISSN: 978-88-902101-5-0*
6. **Panzerà F**, Lombardo G, Rigano R (2010). Site response in Ortigia peninsula (Siracusa, Italy). *In: GNGTS 29° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Prato, 26-28 Ott. 2010, oral section, TRIESTE: Stella, p. 278-281, ISBN/ISSN: 978-88-902101-5-0*
7. **Panzerà F**, Lombardo G, Rigano R, Cara F, Di Giulio G, Rovelli A, Azzara R (2009). Preliminary study of directivity in the local seismic response at a test site in Catania (Italy). *In: GNGTS 28° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 16-19 Nov. 2009, poster section, TRIESTE: Stella, p. 326-327, ISBN/ISSN: 88-902101-4-1*
8. **Panzerà F**, Lombardo G, Rigano R (2009). Seismic hazard assessment (SHA) using different approaches in Catania and Siracusa urban areas (Italy). *In: GNGTS 28° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 16-19 Nov. 2009, poster section, TRIESTE: Stella, p. 394-398, ISBN/ISSN: 88-902101-4-1*
9. Lombardo G, Rigano R, **Panzerà F**, Rovelli A, Cara F, Di Giulio G, Grasso S (2008). Valutazione della risposta sismica locale nell'area urbana di Catania tramite metodi sperimentali e numerici. *In: GNGTS 27° Convegno Nazionale. Gruppo Nazionale di Geofisica della Terra Solida. Trieste, 6-8 Ott. 2008, poster section, TRIESTE: Stella, p. 264-266, ISBN/ISSN: 88-902101-3-3*

Invited talk

1. **Panzerà F** (2014). Seismic bulletin preparation for Operational Earthquake Forecasting. *Third workshop NERA-WP5 - Network of European Research Infrastructures for Earthquake Risk Assessment and Mitigation 13th-15th January 2014 - Icelandic Meteorological Office (IMO), Reykjavík, Iceland.*
2. **Panzerà F** (2013). Speedy techniques to evaluate seismic site effects in particular geomorphologic conditions. *Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences 13th June 2013 - Department of Earth Surface Processes, Section 5.1: Geomorphology, Potsdam, Germany.*

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	ENGLISH
Reading	GOOD
Writing	GOOD
Spoken production	GOOD
Spoken interaction	GOOD

SOCIAL SKILLS AND COMPETENCE

The experience acquired at the University of Catania, dealing with issues on natural risk, allowed me to match myself against different working situation both in the research and in the professional fields. Thanks to the collaboration with different institutions, including foreign universities as well, and participations to national and international conferences, I believe that I can define me a jaunty person, that easily adapts to different situations. Moreover, the various kinds of working experience in field measurements, attained during the Ph.D. course, allowed me to acquire both a good training in the solution of practical problems and a good communication and relational skill. My scientific level, obtained in 5 years of research activity, is documented by at about 11 publications in scientific ISI journals, 1 preface in volume, 3 chapter in books and a total number of 25 abstracts in national and international conference. My field of study is predominantly seismology, engineering seismology and in particular the definition of seismic risk. Moreover, I have matured experience in seismic wavefield polarization in presence of morphological and tectonic structures. I had collaborate with several Italian Universities, the University of Malta, the National Institute of Geophysics and Volcanology (INGV), the Icelandic Meteorological Office (IMO), the Eidgenössische Technische Hochschule (ETH) - Zurich.

ORGANIZATIONAL SKILLS AND COMPETENCE

I possess a marked organizational skills, having filled roles of responsibility and organization in national voluntary associations.

COMPUTER SKILLS AND COMPETENCES

Good knowledge of the Windows platform, Microsoft Office package and sufficient knowledge of the Linux platform especially of the seismic analysis code SAC.

Good knowledge of:

- Software for technical drawing: **AutoCAD**
- Graphic software: **Adobe Illustrator, Corel Draw, Paint Shop**
- Software for GIS: **Quantum GIS**
- Software for statistical analysis: **Origin8, Graphic**
- Seismic data processing software: **SeisGram2K** (Software for visualization and basic analysis of earthquake seismograms), **Geopsy** (Software for ambient vibration techniques for site characterization), **Grilla** (Software for ambient vibration techniques for site characterization), **Soilspy Rosina** (Software for multichannel digital seismic acquisition system), **CRISIS2012** (Software for seismic hazard analysis), **ZMAP** (Software for analysis of seismicity patterns)

DRIVING LICENSE

A and B Italian category

Catania, 26th January 2014

Francesco Panzera