

# CURRICULUM VITAE di:

|                   |                |
|-------------------|----------------|
| <b>Nominativo</b> | Ferranti Luigi |
|-------------------|----------------|

## Posizione accademica

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| <b>Macrosettore:</b>                                 | 04/A                             |
| <b>Settore Concorsuale:</b>                          | 04/A2                            |
| <b>Settore Scientifico Disciplinare:</b>             | GEO03                            |
| <b>Qualifica:</b>                                    | Professore Ordinario             |
| <b>Anzianità nel ruolo:</b>                          | anni 0 mesi 10                   |
| <b>Sede Universitaria:</b>                           | Università di Napoli Federico II |
| <b>Struttura di afferenza (dipartimento o altro)</b> | DiSTAR                           |

Posizioni ricoperte precedentemente nel medesimo ateneo o in altri

| <b>Periodo</b> | <b>Fascia</b>  | <b>Ateneo</b>                    |
|----------------|----------------|----------------------------------|
| 2014-2020      | PA             | Università di Napoli Federico II |
| 2000-2014      | Ricercatore TI | Università di Napoli Federico II |
|                |                |                                  |

## Pubblicazioni Scientifiche

| <b>n. progr.</b> | <b>anno</b> | <b>Descrizione pubblicazione</b> |
|------------------|-------------|----------------------------------|
| <b>1</b>         |             | VEDI ALLEGATO                    |
| <b>2</b>         |             |                                  |
| <b>3</b>         |             |                                  |
| <b>4</b>         |             |                                  |

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## Titoli <sup>1</sup>

vedi allegato

- Direzione di enti o istituti di ricerca di alta qualificazione internazionale:
  - .....
- Responsabilità scientifica generale o di unità (work package, unità nazionale nei progetti europei o locale in quelli nazionali ecc.) per progetti di ricerca internazionali e nazionali ammessi al finanziamento sulla base di bandi competitivi che prevedano la revisione tra pari:
  - .....
- Direzione o partecipazione a comitati di direzione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
  - .....
- Partecipazione al collegio dei docenti nell'ambito di dottorati di ricerca accreditati dal Ministero:
  - .....
- Incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali:
  - .....
- significativi riconoscimenti per l'attività scientifica, incluse l'affiliazione ad accademie di riconosciuto prestigio nel settore e la presidenza di società scientifiche di riconosciuto prestigio:
  - .....
- partecipazione come relatore a convegni di carattere scientifico nazionali o internazionali:
  - .....
- direzione o partecipazione a gruppi di ricerca, nazionali o internazionali, legati a università ovvero a qualificate istituzioni pubbliche o private:
  - .....
- partecipazione a comitati di redazione di riviste Scopus/WOS o classificate da ANVUR, nonché di collane editoriali, enciclopedie e trattati di riconosciuto prestigio nel settore:
  - .....
- Altri titoli che contribuiscano a una migliore definizione del profilo scientifico:
  - .....

data

11 Febbraio 2021

firma

F.to

<sup>1</sup> In via esemplificativa sono indicate alcune voci

## ALLEGATO A CURRICULUM VITAE

### PUBBLICAZIONI SCIENTIFICHE

Natale J., Ferranti L., Marino C., Sacchi M. (2020). Resurgent dome faults in the offshore of the Campi Flegrei caldera (Pozzuoli Bay, Campania): preliminary results from high-resolution seismic reflection profiles. *Bollettino di Geofisica Teorica ed Applicata* 61, 3, 333-342; DOI 10.4430/bgta0315.

Pace, B., Valentini, A., Ferranti, L., Vasta, M., Vassallo, M., Montagna, P., Colella A., Pons-Branchu, E. (2020). A large paleoearthquake in the Central Apennines, Italy, recorded by the collapse of a cave speleothem. *Tectonics*, 39, e2020TC006289. <https://doi.org/10.1029/2020TC006289>

Rothery D. A., Massironi M., Alemanno G., Barraud O., Besse S., Bott N., Brunetto R., Bunce E., Byrne P., Capaccioni F., Capria M. T., Carli C., Charlier B., Cornet T., Cremonese G., D'Amore M., De Sanctis M. C., Doressoundiram A., Ferranti L., Filacchione G., Galluzzi V., Giacomini L., Grande M., Guzzetta L. G., Helbert J., Heyner D., Hiesinger H., Hussmann H., Hyodo R., Kohout T., Kozyrev A., Litvak M., Lucchetti A., Malakhov A., Malliband C., Mancinelli P., Martikainen J., Martindale A., Maturilli A., Milillo A., Mitrofanov I., Mokrousov M., Morlok A., Muinonen K., Namur O., Owens A., Nittler L. R., S. Oliveira J. S., Palumbo P., Pajola M., Pegg D. L., Penttilä A., Politi R., Quarati F., Re C., Sanin A., Schulz R., Stangarone C., Stojic A., Tretiyakov V., Väisänen T., Varatharajan I., Weber I., Wright J., Wurz P., Zambon F. (2020). Rationale for BepiColombo Studies of Mercury's Surface and Composition. *Space Sci Rev* (2020) 216:66. <https://doi.org/10.1007/s11214-020-00694-7>.

Cremonese G., F Capaccioni, MT Capria, A Doressoundiram, P Palumbo, M Vincendon, M Massironi, S Debei, M Zusi, F Altieri, M Amoroso, G Aroldi, M Baroni, A Barucci, G Bellucci, J Benkhoff, S Besse, C Bettanini, M Blecka, D Borrelli, JR Brucato, C Carli, V Carlier, P Cerroni, A Cicchetti, L Colangeli, M Dami, V Da Deppo, V Della Corte, MC De Sanctis, S Erard, F Esposito, D Fantinel, L Ferranti, F Ferri, I Fikai Veltroni, G Filacchione, E Flamini, G Forlani, S Fornasier, O Forni, M Fulchignoni, V Galluzzi, K Gwinner, W Ip, L Jorda, Y Langevin, L Lara, F Leblanc, C Leyrat, Y Li, S Marchi, L Marinangeli, F Marzari, E Mazzotta Epifani, M Mendillo, V Mennella, R Mugnuolo, K Muinonen, G Naletto, R Noschese, E Palomba, R Paolinetti, D Perna, G Piccioni, R Politi, F Poulet, R Ragazzoni, C Re, M Rossi, A Rotundi, G Salemi, M Sgavetti, E Simioni, N Thomas, L Tommasi, A Turella, T Van Hoolst, L Wilson, F Zambon, A Aboudan, O Barraud, N Bott, P Borin, G Colombatti, M El Yazidi, S Ferrari, J Flahaut, L Giacomini, L Guzzetta, A Lucchetti, E Martellato, M Pajola, A Slemer, G Tognon, D Turrini (2020). SIMBIO-SYS: Scientific Cameras and Spectrometer for the BepiColombo Mission. *Space Science Reviews* (2020) 216, 5, 1-78.

Merico A., Iezzi G., Pace B., Ferranti L., Cremona M., Scafa M., Cavallo A., Colella A., Nazzari M., Scarlato P. (2020). Grain size and grain size distribution of a lithified fault core in carbonates rocks using multi-scale image analysis: The example of the San Benedetto-Gioia dei Marsi fault (Central Italy). *Journal of Structural Geology*, 134, 104017, <https://doi.org/10.1016/j.jsg.2020.104017>.

Bottari, C; Ferranti, L; Di Maio, R; Frisetti, A; De Paola, C; La Manna, M; Piegari, E; Marazzi, F; (2020). The 847 CE earthquake in central-southern Italy: New hints from archaeosismological and geophysical investigations in the Volturno River Valley area. *Tectonophysics*, 774, 228301. <https://doi.org/10.1016/j.tecto.2019.228301>

Sacchi M., Caccavale M., Esposito G., Ferranti L., Hámori Z., Horváth F., Insinga D., Marino C., Matano F., Molisso F., Natale J., Passaro S., Tóth T. (2019). The use and beauty of ultra-high-resolution seismic reflection imaging in Late Quaternary marine volcanoclastic settings. *Földtani Közlöny* (Bulletin Hungarian Geological Society), 149/3, 371–394. DOI: 10.23928/foldt.kozl.2019.149.4.371

Galluzzi, V., Ferranti, L., Massironi, M., Giacomini, L., Guzzetta, L., & Palumbo, P. (2019). Structural analysis of the Victoria quadrangle fault systems on Mercury: Timing, geometries, kinematics, and relationship with the high-Mg region. *Journal of Geophysical Research: Planets*, 124. <https://doi.org/10.1029/2019JE005953>

Ferranti L., Pepe F., Barreca G., Meccariello M., & Monaco C. (2019). Multi-temporal tectonic evolution of Capo Granitola and Sciacca foreland transcurrent faults (Sicily channel). *Tectonophysics*, 765, 187-204. <https://doi.org/10.1016/j.tecto.2019.05.002>

Ferranti, L., Pace, B., Valentini, A., Montagna, P., Pons-Branchu, E., Tisnérat-Laborde, N., & Maschio, L. (2019). Speleoseismological constraints on ground shaking threshold and seismogenic sources in the Pollino Range (Calabria, southern Italy). *Journal of Geophysical Research: Solid Earth*, 124. <https://doi.org/10.1029/2018JB017000>

Pepe F., Di Donato V., Insinga D., Molisso F., Faraci C., Sacchi M., Dera R., Ferranti L., Passaro S. (2018). Seismic stratigraphy of upper Quaternary shallow-water contourite drifts in the Gulf of Taranto (Ionian Sea, southern Italy). *Marine Geology*, 397 (2018) 79–92. <https://doi.org/10.1016/j.margeo.2017.12.004>

Antonioli F., Ferranti L., , Deiana G., Lo Presti V., Furlani S., Marino C., Orru P., Scicchitano G., Trainito E., Anzidei M., Bonamini M., Sansò P., Mastronuzzi G. (2018). Morphometry and elevation of the last interglacial tidal notches in tectonically stable coasts of the Mediterranean Sea. *Earth-Science Reviews*, 185, 600-623. <https://doi.org/10.1016/j.earscirev.2018.06.017>.

Ferranti, L., Milano, G., Pierro, M. (2017). Insights on the seismotectonics of the western part of northern Calabria (southern Italy) by integrated geological and geophysical data: Coexistence of shallow extensional and deep strike-slip kinematics. *Tectonophysics* 721 (2017) 372–386. <http://dx.doi.org/10.1016/j.tecto.2017.09.020>.

Ferranti, L., Antonioli, F. Monaco, C., Scicchitano, G., Spampinato, C. R. (2017). Uplifted Late Holocene paleoshorelines along the coasts of the Calabrian Arc: geodynamic and seismotectonic implications. *Ital. J. Geosci.*, 136 (3), 454-470.

Cultrera F., Barreca G., Ferranti L., Monaco C., Pepe F., Passaro S., Barberi G., Bruno V., Burrato P., Mattia M., Musumeci C., Scarfi` L. (2017). Structural architecture and active deformation pattern in the northern sector of the Aeolian-Tindari-Letojanni fault system (SE Tyrrhenian Sea-NE Sicily) from integrated analysis of field, marine geophysical, seismological and geodetic data. *Ital. J. Geosci.*, 136 (3), 399-417.

Meccariello M., Ferranti L., Barreca G., Palano M. (2017). New insights on the tectonics of the Lampedusa Plateau from the integration of offshore, on-land and space geodetic data. *Ital. J. Geosci.*, 136 (2), 206-219.

Guzzetta L., Galluzzi V., Ferranti L., Palumbo P. (2017). Geology of the Shakespeare quadrangle (H03), Mercury, *Journal of Maps*, 13:2, 227-238, DOI:10.1080/17445647.2017.1290556

Cultrera F., Barreca G., Burrato P., Ferranti L., Monaco C., Passaro S., Pepe F., Scarfi` L. (2017). Active faulting and continental slope instability in the Gulf of Patti (Tyrrhenian side of NE Sicily, Italy): a field, marine and seismological joint analysis. *Nat Hazards* 86:S253–S272 DOI 10.1007/s11069-016-2547-y

Raia P., Ferranti L., Castiglione S., Melchionna M., Saggese F., Raimondi R., Serio C., Carotenuto F., Passaro F., Antonioli F. (2017). Predicted sea-level changes and evolutionary

estimates for age of isolation in Central Mediterranean insular lizards. *The Holocene*, 27(3), 418-426. DOI: 10.1177/0959683616660169.

Polonia A., Torelli L., Artoni A., Carlini M., Faccenna C., Ferranti L., Gasperini L., Govers R., Klaeschen D., Monaco C., Neri G., Nijholt N., Orecchio B. & Wortel R. (2016). The Ionian and Alfeo-Etna fault zones: New segments of an evolving plate boundary in the central Mediterranean Sea? *Tectonophysics*, 675, 69-90.

Galluzzi V., Guzzetta L., Ferranti F., Di Achille G., Rothery D. A. & Palumbo, P. (2016). Geology of the Victoria quadrangle (H02), Mercury. *Journal of Maps*, DOI: 10.1080/17445647.2016.1193777.

Lo Re D., Florio G., Ferranti L., Ialongo S., Castiello G. (2016). Self-constrained inversion of microgravity data along a segment of the Irpinia fault. *Journal of Applied Geophysics*, 124, 148-154.

Antonioli, F., Lo Presti, V., Rovere, A., Ferranti, L., Anzidei, M., Furlani, S., Mastronuzzi, G., Orrù, P., Scicchitano, G., Sannino, G., Spampinato, C. R., Pagliarulo, R., Deiana G., de Sabata E., Sansò, P., Vacchi, M., Vecchio, A. (2015). Reply to comment by Evelpidou N., and Pirazzoli P. on "Tidal notches in the Mediterranean Sea: A comprehensive analysis", *Quaternary Science Reviews* (2015), <http://dx.doi.org/10.1016/j.quascirev.2015.09.026>.

Antonioli, F., Lo Presti, V., Rovere, A., Anzidei, M., Deiana, M., de Sabata, E., Ferranti, L., 66 Furlani, S., Mastronuzzi, G., Orrù, P., Pagliarulo, R., Sannino, G., Sansò, P., Scicchitano, G., Spampinato, C., Vacchi, M., Vecchio, A., (2015). Tidal notches in the Mediterranean Sea: a comprehensive analysis. *Quat. Sci. Rev.* 119, 66-84.

Ferranti L., Milano G. Burrato P., Palano, M., Cannavò F. (2015). The seismogenic structure of the 2013–2014 Matese seismic sequence, southern Italy: implication for the geometry of the Apennines active extensional belt. *Geophys. J. Int.* (2015) 201, 823–837 doi: 10.1093/gji/ggv053.

Ferranti L., Burrato P., Pepe F., Santoro E., Mazzella M. E., Morelli D., Passaro S., Vannucci G. (2014). An active oblique-contractional belt at the transition between the Southern Apennines and Calabrian Arc: The Amendolara Ridge, Ionian Sea, Italy. *Tectonics*, 33/11, 2169-2194. DOI: 10.1002/2014TC003624

Spampinato, C. R., Ferranti, L., Monaco, C., Scicchitano, G., Antonioli, F. (2014). Raised Holocene paleo-shorelines along the Capo Vaticano coast (Western Calabria, Italy): Evidence of co-seismic and steady-state deformation, *Journal of Geodynamics* (2014), doi: 10.1016/j.jog.2014.03.003

Barreca G., Bruno V., Cocorullo C., Cultrera F., Ferranti L., Guglielmino F., Guzzetta L., Mattia M., Monaco C. & Pepe F. (2014). Geodetic, geological and geophysical evidence of active tectonics in south-western Sicily and offshore. *Journal of Geodynamics*, 82, 138-149, <http://dx.doi.org/10.1016/j.jog.2014.03.004>.

Aloisi M., Bruno V., Cannavò F., Ferranti L., Mattia M., Monaco C. (2013) - Reply to 'Comments on the paper "Are the source models of the M7.1 1908 Messina Straits earthquake reliable? Insights from a novel inversion and sensitivity analysis of levelling data" by Aloisi et al. (2012)' *Geophys. J. Int.* (2014) doi: 10.1093/gji/ggu116

Ferranti, L., Passaro S., de Alteriis G. (2014), Morphotectonics of the Gorringe Bank summit, eastern Atlantic Ocean, based on high-resolution multibeam bathymetry, *Quaternary International* 232 (2014) 99-114, doi: 10.1016/j.quaint.2013.11.011.

Pepe, F., Bertotti G., Ferranti L., Sacchi M., Collura A. M., Passaro S., Sulli A. (2014)., Pattern and rate of post-20 ka vertical tectonic motion around the Capo Vaticano Promontory (W Calabria, Italy) based on offshore geomorphological indicators, *Quaternary International* 232 (2014), 85-98. <http://dx.doi.org/10.1016/j.quaint.2013.11.012>

Lo Presti V. Antonioli F., Auriemma R., Ronchitelli A., Scicchitano G., Spampinato C.,

Anzidei M., Agizza S., Benini A., Ferranti L., Gasparo Morticelli M., Giarrusso C., Mastronuzzi G., Monaco C., Porqueddu A. (2014) - Millstone coastal quarries of the Mediterranean: A new class of sea level indicator. *Quaternary International* 332 (2014) 126-142. <http://dx.doi.org/10.1016/j.quaint.2014.03.021>

Ferranti L., Palano M., Cannavò F., Mazzella M.E., Oldow, J. S., Gueguen E., Mattia M., Monaco C. (2014). Rates of geodetic deformation across active faults in southern Italy. *Tectonophysics*, 621 (2014) 101–122, doi:10.1016/j.tecto.2014.02.007.

Aloisi M., Bruno V., Cannavò F., Ferranti L., Mattia M., Monaco C., Palano M. (2013) - Are the source models of the M 7.1 Messina Straits earthquake reliable? Insights from a novel inversion and a sensitivity analysis of levelling data. *Geophys. J. Int.* 192, 1025–1041 doi: 10.1093/gji/ggs062.

Santoro E., Ferranti L., Burrato P., Mazzella M. E., Monaco C. (2013). Deformed Pleistocene marine terraces along the Ionian Sea margin of southern Italy: Unveiling blind fault-related folds contribution to coastal uplift. *Tectonics*, 32, 1–26, doi:10.1002/tect.20036.

Spampinato C. R., G. Scicchitano, L. Ferranti, C. Monaco (2012). Raised Holocene paleo-shorelines along the Capo Schiso coast, Taormina: New evidence of recent co-seismic deformation in northeastern Sicily (Italy). *JOURNAL OF GEODYNAMICS*, vol. 55, p. 18-31, ISSN: 0264-3707, doi: 10.1016/j.jog.2011.11.007

Palano M., Ferranti L., Monaco C., Mattia M., Aloisi M., Bruno V., Cannavò F., Siligato G. (2012). GPS velocity and strain fields in Sicily and southern Calabria, Italy: Updated geodetic constraints on tectonic block interaction in the central Mediterranean. *Journal of Geophysical Research. Solid Earth*, vol. 117, p. 1-12, ISSN: 0148-0227, doi: 10.1029/2012JB009254.

Scicchitano G., Lo Presti V., Spampinato C. R., Morticelli M. G., Antonioli F., Auriemma R., Ferranti L., Monaco C. (2011). Millstones as indicators of relative sea-level changes in northern Sicily and southern Calabria coastlines, Italy. *Quaternary International*, vol. 232, p. 92-104, ISSN: 1040-6182, doi: 10.1016/j.quaint.2010.08.019

Scicchitano G., Spampinato C. R., Ferranti L., Antonioli F., Monaco C., Capano M., Lubritto C. (2011). Uplifted Holocene shorelines at Capo Milazzo (NE Sicily, Italy): Evidence of co-seismic and steady-state deformation. *Quaternary International*, vol. 232, p. 201-213, ISSN: 1040-6182, doi: 10.1016/j.quaint.2010.06.028

Lambeck K., Antonioli F., Anzidei M., Ferranti L., Leoni G., Scicchitano G. (2011). Sea level change along the Italian coast during the Holocene and projections for the future. *Quaternary International*, vol. 232, p. 250-257, ISSN: 1040-6182, doi: 10.1016/j.quaint.2010.04.026

Ferranti L., Pagliarulo R., Antonioli F., Randisi A. (2011). "Punishment for the Sinner": Holocene episodic subsidence and steady tectonic motion at ancient Sybaris (Calabria, southern Italy). *Quaternary International*, vol. 232, p. 56-70, ISSN: 1040-6182, doi:10.1016/j.quaint.2010.07.014

Passaro S., Ferranti L., de Alteriis G. (2011). The use of high-resolution elevation histograms for mapping submerged terraces: tests from the Eastern Tyrrhenian Sea and the Eastern Atlantic Ocean. *Quaternary International*, vol. 232, p. 238-249, ISSN: 1040-6182, doi:10.1016/j.quaint.2010.04.030

Palano M., Cannavò F., L. Ferranti L., Mattia M., Mazzella M.E. (2011). Strain and stress fields in the Southern Apennines (Italy) constrained by geodetic, seismological and borehole data. *Geophysical Journal International*, vol. 187, p. 1270-1282, ISSN: 0956-540X, doi: 10.1111/j.1365-246X.2011.05234.x

Antonioli F., S. Faivre, L. Ferranti, C. Monaco (2011). Tectonic contribution to relative sea level change. *Quaternary International*, vol. 232, p. 1-4, ISSN: 1040-6182, doi: 10.1016/j.quaint.2010.10.003

Ferranti L, Antonioli F., Anzidei M., Monaco C., Stocchi P. (2010). The timescale and spatial extent of vertical tectonic motions in Italy: insights from relative sea-level changes studies. *Journal Of The Virtual Explorer*, vol. 36, p. 1-34, ISSN: 1441-8142, doi: 10.3809/jvirtex.2009.00255

Improta L., Ferranti L, De Martini P.M., Piscitelli S. Bruno P.P., Burrato P., Civico R., D'Addezio G., Giocoli A., Iorio M., Maschio L. (2010). Detecting young, slow-slipping active faults through geologic and multidisciplinary high-resolution geophysical investigations: a case study from the Apennine seismic belt, Italy. *Journal Of Geophysical Research*, vol. 115, p. 1-26, ISSN: 0148-0227, doi: 10.1029/2010JB000871

Santoro E., Mazzella E., Ferranti L, Randisi E., Napolitano E., Rittner S., Radtke U. (2009). Raised coastal terraces along the Ionian Sea coast of northern Calabria, Italy, suggest space and time variability of tectonic uplift rates. *Quaternary International*, vol. 206, p. 78-101, ISSN:1040-6182, doi: 10.1016/j.quaint.2008.10.003.

Antonioli F., Ferranti L, Fontana A., Amorosi A.M., Bondesan A, Braitenberg C., Dutton A., Fontolan G., Furlani S., Lambeck K., Mastronuzzi G, Monaco C., Spada G., Stocchi P. (2009). Holocene relative sea-level changes and vertical movements along the Italian and Istrian coastlines. *Quaternary International*, vol. 206, p. 102-133, ISSN: 1040-6182, doi:10.1016/j.quaint.2008.11.008.

Ferranti L., E. Santoro, M.E. Mazzella, C. Monaco, D. Morelli (2009). Active transpression in the northern Calabria Apennines, southern Italy. *Tectonophysics*, vol. 476, p. 226-251, ISSN:0040-1951, doi: 10.1016/j.tecto.2008.11.010

Valoroso L., Improta L., Chiaraluce L., Di Stefano R., Ferranti L, Govoni A., Chiarabba C. (2009). Active faults and induced seismicity in the Val d'Agri area (Southern Apennines, Italy). *Geophysical Journal International*, vol. 178, p. 488-502, ISSN: 0956-540X, doi: 10.1111/j.1365-246X.2009.04166.x

Ferranti L, Monaco C., Morelli D., Antonioli F., Maschio L. (2008). Holocene activity of the Scilla Fault, Southern Calabria: Insights from coastal morphological and structural investigations. *Tectonophysics*, vol. 453, p. 74-93, ISSN: 0040-1951, doi: 10.1016/j.tecto.2007.05.006

Ferranti L., Oldow J.S., D'Argenio B., Catalano R., Lewis D., Marsella E., Avellone G., Maschio L., Pappone G., Pepe F., Sulli A. (2008). Active deformation in Southern Italy, Sicily and southern Sardinia from GPS velocities of the Peri-Tyrrhenian Geodetic Array (PTGA). *Bollettino Della Società Geologica Italiana*, vol. 127, p. 299-316, ISSN: 0037-8763

Ferranti L., Monaco C, Antonioli F, Maschio L, Kershaw S. Verrubbi V (2007). The contribution of regional uplift and coseismic slip to the vertical crustal motion in the Messina Straits, Southern Italy: evidence from raised late Holocene shorelines. *Journal of Geophysical Research. Solid Earth*, vol. 112, p. B06401-1-B06401-23, ISSN: 0148-0227, doi: 10.1029/2006JB004473

Antonioli F, L. Ferranti, K. Lambeck, S. Kershaw, V. Verrubbi, G. Dai Pra (2006). Late Pleistocene to Holocene record of changing uplift rates in southern Calabria and northeastern Sicily (southern Italy, central Mediterranean Sea). *Tectonophysics*, vol. 422, p. 23-40, ISSN: 0040-1951

D'Addezio G., Karner D. B, Burrato P, Donatella Insinga D, Maschio L, Ferranti L, Renne P. R (2006). Tephrochronology in faulted Middle Pleistocene tephra layer in the Val d'Agri area (Southern Italy). *Annals of Geophysics*, vol. 49, p. 945-956, ISSN: 1593-5213

Ferranti L., Antonioli F., Mauz B., Amorosi A., Dai Pr G., Mastronuzzi G., Monaco C., Orru' P., Pappalardo M., Radtke U., Renda P., Romano P., Sans P., Verrubbi V. (2006). Markers of the last interglacial sea level high stand along the coast of Italy: Tectonic implications. *Quaternary International*, vol. 145-146, p. 30-54, ISSN: 1040-6182, doi: 10.1016/j.quaint.2005.07.009

Antonioli F., Ferranti L, Kershaw S. (2006). A GIA origin for double MIS 5.5 and Holocene

marine notches along the Italy coasts, Central Mediterranean Sea. *Quaternary International*, vol. 145-146, p. 19-29, ISSN: 1040-6182

Maschio L., Ferranti L., Burrato P. (2005). Active extension in Val d'Agri area, Southern Apennines, Italy: implications for the geometry of the seismogenic belt. *Geophysical Journal International*, vol. 162, p. 591-609, ISSN: 0956-540X, doi: 10.1111/j.1365-246X.2005.02597.x

Fedi M., Ferranti L., Florio G., Giori I., Italiano F. (2005). Understanding the structural setting in the Southern Apennines (Italy): insight from Gravity Gradient Tensor. *Tectonophysics*, vol. 397, p. 21-36, ISSN: 0040-1951

Ferranti L., Oldow J.S. (2005). Latest Miocene to Quaternary horizontal and vertical displacement rates during simultaneous contraction and extension in the Southern Apennines orogen, Italy. *Terra Nova*, vol. 17, p. 209-214, ISSN: 0954-4879

Oldow J. S., L. Ferranti, Lewis D. S., Campbell J., K., D'Argenio B., Catalano R., Pappone G., Carmignani L., Conti P., And Aiken C. L., V. (2002). Active fragmentation of Adria, the north African promontory, central Mediterranean orogen. *Geology*, p. 779-782, ISSN: 0091-7613

Giano S. I., L. Maschio, M. Alessio, L. Ferranti, S. Improta, M. Schiattarella (2000). Radiocarbon dating of active faulting in the Agri high valley, southern Italy. *Journal of Geodynamics*, vol. 29, p. 371-386, ISSN: 0264-3707, doi: 10.1016/S0264-3707(99)00058-7

Ferranti L., J. S. Oldow (1999). History and tectonic implications of low-angle detachment faults and orogen parallel extension, Picentini Mountains, Southern Apennines fold and thrust belt, Italy. *Tectonics*, vol. 18, p. 498-526, ISSN: 0278-7407, doi: 10.1029/1998TC900024

Ferranti L., J. S. Oldow, M. Sacchi (1996). Pre-Quaternary orogen-parallel extension in the Southern Apennine belt, Italy. *Tectonophysics*, vol. 260, p. 325-347, ISSN: 0040-1951, doi: 10.1016/0040-1951(95)00209-X

Pappone G., L. Ferranti (1995). Thrust tectonics in the Picentini Mountains, southern Apennines, Italy. *Tectonophysics*, vol. 252, p. 331-348, ISSN: 0040-1951, doi: 10.1016/0040-1951(95)00094-1

Oldow J. S., B. D'Argenio, L. Ferranti, G. Pappone, E. Marsella, M. Sacchi (1994). Large-scale Longitudinal Extension in the Southern Apennines Contractual Belt, Italy. *Reply. Geology*, vol. 22/9, p. 861-862

Oldow J. S., B. D'Argenio, L. Ferranti, G. Pappone, E. Marsella, M. Sacchi (1993). Large-scale Longitudinal Extension in the Southern Apennines Contractual Belt, Italy. *Geology*, vol. 21/12, p. 1123-1126, ISSN: 0091-7613, doi: 10.1130/0091-7613(1993)021

## TITOLI

### **Associature o Attribuzione di incarichi di insegnamento o di ricerca (fellowship) ufficiale presso atenei e istituti di ricerca di alta qualificazione**

1. Research Associate - Rice University, Houston (Texas, US) (1991 e 1993).
2. Affiliate Assistant Professor - University of Idaho, Moscow (Idaho, US) (1996-2008)
3. Adjunct Associate Professor - University of Texas, Dallas (Texas, US) (2008-2014)
4. Associato alla Ricerca presso Istituto Nazionale di Astrofisica – INAF, Osservatorio Astronomico di Capodimonte (Napoli) (2014-2016).
5. Associato alla Ricerca presso Istituto Nazionale di Geofisica e Vulcanologia – INGV, sezione Roma-1 (2017-2019 e 2019-2021).
6. Associato alla Ricerca presso Istituto Nazionale di Astrofisica – INAF, Istituto di Astrofisica e Planetologia Spaziale (Frascati, RM) (2017-2019 e 2019-2021).

### **Responsabilità scientifica per progetti di ricerca nazionali, ammessi al finanziamento sulla base di bandi non competitivi**

-Convenzione Dipartimento Protezione Civile INGV, 2007-2009, "Determinazione del potenziale sismogenetico in Italia per il calcolo della pericolosità sismica"- Progetto S1; RUOLO: Coordinatore della Research Unit 3.0.4: "Tassi di deformazione crostale verticale regionale e locale olocenica e di lungo termine e implicazioni per le strutture sismogenetiche in alcuni settori costieri dell'Arco Calabro (DEF-OLO-CAL)"

-Accordo Internazionale (Agreement of Cooperation) fra l'Università degli Studi di Napoli Federico II e l'Università del Texas a Dallas, U.S.A. Coordinatore per la parte italiana. Fondi: Università degli Studi di Napoli Federico II (2013-2016) su progetto: "Fault Kinematic analysis of the Walker Lane Belt, Nevada (US)", Programma di Scambi Internazionali per la Breve Mobilità.

### **Partecipazione a Gruppi di ricerca internazionali**

-A partire dagli anni '90 ha collaborato alle attività di ricerca del **Tectonic Analysis Group** (Coordinate dal Prof. J. S. Oldow: Rice University, Houston, Tx; University of Moscow, ID; University of Texas, Dallas, TX) concentrate nel Basin and Range Province (Stati Uniti Occidentali) e nell'Arco delle Aleutine (Alaska). In particolare, ha preso parte ai seguenti progetti:

- Geodynamics of the central Walker Lane, western Great Basin: National Science Foundation, 1994-1998.
- Low-angle displacement transfer system in the Walker Lane strike-slip belt, west-central Nevada: American Chemical Society - Petroleum Research Fund, 1994-1997.
- Fault characterization and assessment of slip on the Devils Mountain and North Whidbey Island fault systems, northwestern Washington: United States Geological Survey, National Earthquake Hazards Reduction Program, 1998.
- Displacement partitioning and arc-parallel extension in the Aleutian volcanic arc: National Science Foundation, 1998-2001.
- Reoccupation of the Devils Mountain GPS strain network, northwestern Washington: United States Geological Survey, National Earthquake Hazard Reduction Program, 2001-2002.
- Geodetic and geologic study of the kinematics of late Cenozoic displacement transfer, central Walker Lane, western Great Basin: National Science Foundation, 2002-2005.
- Geological and geophysical characterization of the Alvord Basin, Southeastern Oregon: National Science Foundation EPSCoR, 2002-2005.

- Deformation rate and kinematics of ancient and active displacement transfer, central Walker Lane, western Great Basin: National Science Foundation, 2002-2006.
- Timing, Extent, and Spatial Progression of Neogene Displacement Transfer, Southern Walker Lane, Western Great Basin: National Science Foundation, 2010-2012.

- In qualità di associato alla ricerca INAF, coordina o partecipa ad attività di ricerca in **Tettonica Planetaria**. In particolare, a partire dal 2013, è coinvolto nelle seguenti attività:

- Responsabile del Gruppo di Cartografia Planetaria dello INAF-IAPS nell'ambito della realizzazione della Carta Geologica Globale di Mercurio scala 1:3.000.000.
- Associated Scientist per il progetto: JANUS (Jovis, Amorum ac Natorum Undique Scrutator), camera ad alta risoluzione selezionata per la missione ESA JUICE per lo studio dei satelliti di Giove.
- Associated Scientist per il progetto: HRIC-SIMBIO-SYS, (High Resolution Imaging Channel - Spectrometers and Imagers for MPO BepiColombo Integrated Observatory SYstem) a bordo della missione ESA BepiColombo per lo studio di Mercurio.

### **Partecipazione/Coordinamento Gruppi di ricerca nazionali**

-2016-attuale: Membro del Collegio Consultivo del CRUST (Centro inteRUniversitario per l'analisi Sismotettonica Tridimensionale con applicazioni territoriali).

-2017-attuale: Responsabile di un "Accordo di Collaborazione Scientifica e Tecnico – Operativa per favorire e sviluppare la ricerca scientifica nel campo della tettonica recente e attiva nelle aree marine e costiere" stipulato tra Consiglio Nazionale delle Ricerche – Istituto per l'Ambiente Marino Costiero (CNR-IAMC); Dipartimento DiSTAR, Università di Napoli "Federico II"; Dipartimento DiSTEM, Università di Palermo; Dipartimento DiBGA, Università degli Studi di Catania; Istituto Nazionale di Geofisica e Vulcanologia, Roma.

### **Partecipazione a Progetti di ricerca nazionali**

PRIN 2000: Evoluzione tettonica neogenico-quadernaria dell'Appennino meridionale, desunta dallo studio di tre transetti ubicati nelle aree esterne (Resp. Prof. A. Zuppetta).

PRIN 2005: Relazione tra geometrie e pattern deformativi superficiali e profondi in Appennino meridionale attraverso l'analisi integrata di dati geologico-strutturali, geofisici e geodetici (Resp. Prof. A. Incoronato)

PRIN 2010-2011: Geodinamica attiva e recente dell'Arco Calabro e del complesso di accrezione nel Mar Ionio (Resp. Prof. C. Monaco)

PRIN 2017- MUSE: Overtime tectonic, dynamic and rheologic control on destructive multiple seismic events - Special Italian Faults & Earthquakes: from real 4D cases to models (Resp. G. Lavecchia)

Convenzione DPC – INGV 2004-2006, "Valutazione del potenziale sismogenetico e probabilità dei forti terremoti in Italia" Progetto S2, Task2, "Definizione di sorgenti sismogenetiche in settori con caratterizzazione sismotettonica incompleta".

Convenzione DPC – INGV 2007-2009: "Determinazione del potenziale sismogenetico in Italia per il calcolo della pericolosità sismica" - Progetto S1: Coordinatore della UR 3.0.4: "Tassi di

deformazione crostale verticale regionale e locale olocenica e di lungo termine e implicazioni per le strutture sismogenetiche in alcuni settori costieri dell'Arco Calabro (DEF-OLO-CAL)"

Progetto INGV-Struttura Terremoti: "Tettonica attiva in Sicilia sud-occidentale", 2015-2016 (Resp. Dr. Mario Mattia).

### Premi e riconoscimenti nazionali e internazionali per attività di ricerca;

1. Premio Accademico per le Scienze della Terra, Società Nazionale di Scienze Lettere ed Arti in Napoli (1996)
2. Premio Franchi assegnato dalla SGI per l'anno 2017 per il miglior lavoro sulle riviste sociali assegnato al lavoro: *Cirrincone R. et al.: From ductile to brittle tectonic evolution of the Aspromonte Massif. Geological Field Trips Volume: 9 Issue: 2.*

Ha partecipato, in qualità di relatore o co-autore, a numerosi Congressi Internazionali come di seguito specificato:

- 1) Catalano R., B. D'Argenio, L. Ferranti, A. Ietto, E. Marsella, J.S. Oldow, G. Pappone, M. Sacchi (1991) - Extension in the Southern Apennines. 3rd EAPG Conference, Firenze, 25-30 Maggio 1991.
- 2) De Martino G., L. Ferranti & L. Mattered (1991) - The Ichthol underground mines of Giffoni Vallepiiana near Salerno (Campania Apennines). 3rd International Symposium on Underground Quarries, Napoli, 10-14/7/1991.
- 3) Ferranti L., S. Folliero & B. Palma (1991) - A typological study and rehabilitation proposal of the underground tuff quarries in the Piano di Sorrento area (Sorrento Peninsula, Na). 3rd International Symposium on Underground Quarries, Napoli, 10-14/7/1991
- 4) D'Argenio B., L. Ferranti, E. Marsella, J.S. Oldow, G. Pappone, M. Sacchi (1993) - Along-strike collapse of the Southern Apennines orogen on low-angle normal faults. 7th EUG Meeting, 4-8/4/93, Strasbourg, Francia, Terra Abstracts, suppl. to Terra Nova, p.93.
- 5) Ferranti L., V. Morra, & G.Pappone (1994) - Observations on the igneous rocks occurring in the upper Triassic dolomites of the Picentini Mountains, Southern Italy. 15th Regional Meeting IAS (International Association of Sedimentologists), 13-15/4/1994, Ischia (NA), 170-172.
- 6) Ferranti L. (1994) - Relationships between cataclastic belts, magnitude and kinematics of low-angle extensional faults in the Southern Apennines tectonic province, Italy. Int. Ass. Seism. Phys. Earth Interior, 27th General Assembly, Wellington, New Zealand, Jan. 10-21, 1994.
- 7) Ferranti L., P. R. Gialanella, F. Heller & A. Incoronato (1996) - Structural and paleomagnetic evidence for polyphase non-coaxial strain in the Lagonegro rocks of the Northern Lucania Apennines, Italy. Int. Conf. on "Structure and properties of high strain zones in rocks". Verbania (Italy), Sept. 3-7, 1996.
- 8) D'Argenio B., L. Ferranti, M. Sacchi (1995) - Kinematics and timing of low-angle detachment extension in the western flank of Southern Apennines. 8th EUG Meeting, 9-13 April 1995, Strasbourg, France. Terra Abstracts, Suppl. n. 1 to Terra Nova, 7, VI-3, 53;
- 9) Ferranti L., P. R. Gialanella, F. Heller & A. Incoronato (1997) - Magnetic fabric record of incremental strain in non-coaxially deformed terranes: the case of the Lagonegro nappes, Southern Apennines, Italy. 9th EUG Meeting, Strasbourg, France, 23-27/3/97; Terra Nova, 9, suppl. 1, 375.
- 10) Gialanella P. R., Ferranti L., Incoronato A. & Heller F. (1997) - Rock magnetism of deformed rocks from the Lagonegro Basin (Southern Apennines, Italy). 22nd EGS Meeting, 21-25/4/97, Vienna; Annales Geophysicae, Suppl. I to vol. 15, C107
- 11) Aiello G., F. Budillon, G. de Alteriis, L. Ferranti, E. Marsella, G. Pappone & M. Sacchi (1997). Late Neogene tectonics and basin evolution along the Tyrrhenian margin of Southern Italy. 8th Workshop ILP Task Force "Origin of Sedimentary Basins": Time scales and basin dynamics. Sicily, the adjacent Mediterranean and other natural laboratories, Palermo (Sicily), 7-13/6/97, 24-25
- 12) Ferranti L., E. Marsella, J. S. Oldow & G. Pappone (1997) - Non-coaxial retrograde thrusting and growth of an arcuate thrust belt in the median zone of Campania-Lucania Apennines, Southern Italy. 8th Workshop ILP Task Force "Origin of Sedimentary Basins": Time scales and basin dynamics. Sicily, the adjacent Mediterranean and other natural laboratories, Palermo (Sicily), 7-13/6/97, 68-69
- 13) Pappone G., E. Casciello, M. Cesarano, L. Ferranti, L. Ferraro, E. Marsella (1997) - Piggy-back basins evolution in the Southern Apennines fold and thrust belt. 8th Workshop ILP Task Force "Origin of Sedimentary Basins": Time scales and basin dynamics. Sicily, the adjacent Mediterranean and other natural laboratories, Palermo (Sicily), 7-13/6/97, 102-103
- 14) Improta S., L. Ferranti, E. Vittori, M. Alessio (1997) - Investigation of recent tectonic activity in the Pollino massif, South Italy, by means of 14C dating of deformed speleothems 16th International Radiocarbon Conference, 85, Groningen, 16-20/6/1997.
- 15) Ferranti L., B. D'Argenio, E. Marsella, J. S. Oldow, G. Pappone, M. Sacchi (1997) - Orogen-parallel extension during foreland imbrication: Southern Apennines fold and thrust belt, Italy. Annual Meeting Geological Society of America, Salt Lake City, Utah, A-318.
- 16) Giano S. I., L. Maschio, M. Alessio, L. Ferranti, S. Improta, M. Schiattarella (1998) - Structural study and radiocarbon dating of recent and active tectonics in the Agri high valley, Southern Italy. Int. Workshop: The resolution of geological analysis and models for earthquake faulting studies. Camerino, Italy, 3-6/6/1998, p. 47
- 17) Oldow J. S., L. Ferranti, J. K. Campbell, C. L. V. Aiken, J. L. Hare (1998) - Coordinated displacement transfer through a curved fault array, west-central Walker Lane, Nevada. 94th Annual Meeting Cordilleran Section, Geological Society of America, Long Beach, California, April 7-9, 1998, p. 57.
- 18) Ave Lallemand H., J. S. Oldow, L. Ferranti, L. Maschio, J. E. Comstock, D. S. Lewis (1999) - Displacement Partitioning, trench-parallel stretching, and westward migration of the Aleutian arc and collision with Kamchatka: Part 1 - structural analysis. Annual Meeting American Geophysical Union, S. Francisco (US). Eos, Transactions AGU, Vol. 80, No. 46, p. 1947.
- 19) Oldow J. S., D. S. Lewis, H. Ave Lallemand, L. Ferranti, L. Maschio, J. E. Comstock, J. Freymuller (1999) - Displacement Partitioning, trench-parallel stretching, and westward migration of the Aleutian arc and collision with Kamchatka: Part 2 - GPS geodetic analysis. Annual Meeting American Geophysical Union, S. Francisco (US). Eos, Transactions AGU, Vol. 80, No. 46, p. 1947.
- 20) Ferranti L. & J. S. Oldow (2000) - Displacement transfer on curved faults, Central Walker Lane, Western Great Basin. Annual Meeting Geological Society of America, Reno, Nevada.
- 21) Lewis D. S., Oldow J. S., Ferranti L., D'Argenio B., Pappone G., Maschio L., Aiken C. L., V. (2001). Active extension and contraction in the Southern Apennines orogenic belt, Italy. The S. Muller Conference of the European Geophysical Society, Balatonfured, Hungary, September 22-26, p. 35.

- 22) Oldow J. S., Lewis D. S., Campbell J., K., Ferranti L., D'Argenio B., Marsella E., Pappone G., Aiken C. L., V., Catalano R., Carmignani L. (2001). Active microplate deformation and crustal delamination in the circum-Tyrrhenian region, Italy. The S. Muller Conference of the European Geophysical Society, Balatonfured, Hungary, September 22-26, p. 47.
- 23) Oldow J. S., Lewis D. S., Campbell J., K., Ferranti L., D'Argenio B., Marsella E., Pappone G., Aiken C. L., V., Catalano R., Carmignani L. (2001). Active microplate deformation and crustal delamination in the Southern Circum-Tyrrhenian region, Italy. GPS velocities from the Peri-Tyrrhenian Geodetic Array. Annual Meeting American Geophysical Union, S. Francisco (US). Eos, Transactions AGU, Vol. 82, No. 47, p. 1247.
- 24) Lewis D. S., Oldow J. S., Ferranti L., D'Argenio B., Pappone G., Maschio L., Aiken C. L., V. (2001). Active extension and contraction in the Southern Apennines orogenic belt, Italy derived from GPS velocities of the Peri-Tyrrhenian Geodetic Array. Eos, Transactions American Geophysical Union, Vol. 82, No. 47, p. 1256.
- 25) Jones T., Apel E. V., Oldow J. S., Lewis D. S., Ferranti L. (2001) – Structural transition from extensional to contractional deformation in the Campania-Lucania Apennines and Apulian foreland, Southern Italy. Annual Meeting American Geophysical Union, S. Francisco (US). Eos, Transactions AGU, Vol. 80, No. 46, p. 1956.
- 26) Fedi M., Ferranti L., Florio G., Giori I., Italiano F. (2003) - Lucania Apennines, Southern Italy: correlation between geological structures and Gravity Gradient Tensor (GGT) components. 28th EGS Meeting, 4-03, Nizza. Geophysical Research Abstracts, 5, p. 14569.
- 27) Antonioli F., Lambeck K., Verrubbi V. (2003) - Evidence for non-uniform uplift rates in southern Italy on glacial-cycle timescales. 28th EGS Meeting, 4-03, Nizza. Geophysical Research Abstracts, 5, p. 06509.
- 28) Ferranti L. & Oldow J. S (2004) - Late Neogene horizontal and vertical displacement rates during simultaneous contraction and extension and the transition from thin- to thick-skinned contraction in the Southern Apennines orogen, Italy. NATO Advanced Research Workshop: The Adria Microplate: GPS Geodesy, Tectonics, and Hazards Veszprém, Hungary, April 4-7, 2004, p. 42-45.
- 29) Oldow J. S & Ferranti L. (2004) - Active deformation in the circum-Tyrrhenian orogen, Southern Italy, Sicily, and Sardinia. NATO Advanced Research Workshop: The Adria Microplate: GPS Geodesy, Tectonics, and Hazards Veszprém, Hungary, April 4-7, 2004, p. 90.
- 30) Ferranti L., Amorosi A., Antonioli F., Dai Prà G., Lezziero A., Mastronuzzi Giuseppe, Mauz B., Monaco C., Orrù P., Pappalardo M., Radtke U., Romano P. (2004) - Altitude and spatial distribution of the MIS 5.5 highstand marker in Italy: relation with active tectonic processes. 32nd International Geological Congress, SESSION 26, T34.01 - Sea level during the last interglacial Florence, Firenze, Italia, 20-28 August 2004.
- 31) Antonioli F., Caramanna G., Ferranti L. Kershaw S. (2004) – A double MIS 5.5 marine notch? 32nd International Geological Congress, SESSION 26, T34.01 - Sea level during the last interglacial Florence, Firenze, Italia, 20-28 August 2004.
- 32) Oldow J. S & Ferranti L. (2004) - Active deformation in the circum-Tyrrhenian orogen, Southern Italy, Sicily, and Sardinia. 32nd International Geological Congress, SESSION 49 - G20.10 - Evolution of Alps and Apennines, Firenze, Italia, 20-28 August 2004.
- 33) de Alteriis G., Conti M. A., Marino M. C., Tonielli R., Passaro S., Ferranti L., Maschio L., Di Martino G., Innangi S. (2004) - Summit exploration of an oceanic, non-volcanic seamount (Gorringe Bank, eastern Atlantic Ocean) and some geological implications. 32nd International Geological Congress, SESSION 58 T27.03 - Emplacement tectonics of ophiolites: structures and processes, Firenze, Italia, 20-28 August 2004.
- 34) Antonioli F., Amorosi A., Ferranti L., Lambeck K., Monaco C., Verrubbi V. (2004) - Holocene record of tectonic activity in Italian coastline. 32nd International Geological Congress, SESSION 198 G16.01 - Neotectonics and related applications, Firenze, Italia, 20-28 August 2004.
- 35) Bruno P., Burrato P., D'Addezio G., Ferranti L., Improta L., Lapenna V., Maschio L., Piscitelli S. & Rizzo E. (2004) - Integration of electric and seismic data to investigate active geological structures in the Val d'Agri area (Italy). 4th International Workshop on Magnetic, Electric and Electromagnetic Methods in Seismology and Volcanology (MEEMSV), Agelonde, La Londe les Maures, France, September 5-9, 2004.
- 36) Oldow J. S & Ferranti L. (2004) - Active deformation in the circum-Tyrrhenian orogen, Southern Italy, Sicily, and Sardinia. Annual Meeting Cordilleran Section Geological Society of America, Boise, Idaho May 2004.
- 37) Ferranti L. & Oldow J. S (2005) - Active displacement transfer and finite flattening on curved faults, central Walker Lane, western Great Basin, Nevada. Abstract Penrose Conference: Kinematics and Geodynamics of Intraplate Dextral Shear in Eastern California and Western Nevada, April 21-26, 2005: Mammoth Lakes, California, p. 90.
- 38) Nappi R., Scarano I., Ferranti L., and Vilaro G., (2005) Spatial and temporal evolution of low-energy seismic sequences (1990, 1991-1992 and 1997) in the Sannio area (Southern Apennines, Italy) in relation to the existing structural discontinuities: implication for the seismogenic potential. 29th EGU General Assembly 2005, Geophysical Research Abstracts, Vol. 7, 04044.
- 39) Antonioli F., Braitenberg C., Pinato-Gabrieli C., Ferranti L., Anzidei M., Lambeck K., Monaco C., Maseroli R., (2006) - Comparison between long term (geological) and short term (instrumental) relative sea level data in Italy, Understanding sea level rise and variability Unesco Conference 6-9 June Paris. Abstrac volume, 56-57.
- 40) Ferranti L., (2006) - Bridging the gap between geologic and current displacement rates in active orogens: results and opportunities offered by displaced ~1 to 100 ka shorelines in Calabria, central Mediterranean orogen. GSA Penrose meeting "Unlocking 3D Earth Systems—Harnessing New Digital Technologies to Revolutionize Multi-Scale Geologic Models", 17-21 September 2006, Durham University, UK,
- 41) Italiano F., Fedi M., Florio G., Ferranti L., Giori I., Bernardelli P., Fiore D. (2007) - Derivative computation in a region of high topographic reliefs. EGM 2007 International Workshop, Capri - Italy, April 15-18 2007
- 42) Antonioli F., Anzidei M., Braitenberg M. C., Ferranti L., Lambeck K., Monaco C., Maseroli R. (2007) - Recent coastal tectonic movements along the Italian coastline and comparison between long term (geological) and short term (instrumental) relative sea level data. 3rd International TOPO-EUROPE Workshop, Accademia Nazionale dei Lincei, Roma, 2 nd -5 th May , 2007.
- 43) Valoroso L., Improta L., Ferranti L. & Chiarabba C. (2007) - High-resolution imaging of active fault system in the Agri basin (southern Apennines) by controlled source non-linear crustal tomography. 24th IUGG, Perugia (Italy), July 2007.
- 44) Valoroso L., Chiaraluze L., Improta L., De Gori P., Di Bartolomeo P., Di Stefano R., Ferranti L., Govoni A., Moretti M., Romanelli M. & Chiarabba C. (2007) - Background Seismicity of the lucanian Apennines (southern Italy) recorded by a dense temporary seismic network installed in the Val d'Agri area. 24th IUGG, Perugia (Italy), July 2007.
- 45) Ferranti L. (2007) - The contribution of coastal investigations to quantify the land vertical motion in Italy at different timescales, from glacial-interglacial cycles to historical times: methodology and results. International Conference: L'archeologia dei paesaggi costieri e le variazioni climatiche/Mednarodna konferenca: Arheologija obalnih pokrajín v perspektivi globalnih klimatskih sprememb. Trieste novembre 2007, p. 5-6.
- 46) Valoroso L., Improta L., Chiaraluze L., Di Stefano R., Ferranti L. e C. Chiarabba (2007) - New insights on the Val d'Agri normal fault systems (Southern Italy) by using a dense temporary seismic network. Annual Meeting American Geophysical Union, S. Francisco (US). Eos Trans. AGU, 88(52), Fall Meet. Suppl., Abstract S31A-0201.
- 47) Anzidei M., Lambeck K., Antonioli F., Stocchi P., Spada G., Gasperini P., Soussi M., Benini A., Sivan D., Serpelloni E., Baldi P., Pondrelli S., Vannucci G., Ferranti L. (2008) - Sea level changes and vertical land movements in the Mediterranean from paleo-historical indicators, modern instrumental data and model predictions. EGU General Assembly 2008, Geophysical Research Abstracts, Vol. 10, EGU2008-A-10103, 2008.

- 48) Piscitelli S., Giocoli A., Burrato P., Ferranti L., Galli P., Improta L., Lapenna V., Rizzo E., Romano G., Siniscalchi A., Soupios P., Vallianatos F. (2008) - ERT surveys in tectonically active areas in Southern Italy (Agri and Timpa del Vento Basins) and Greece (Kastelli Region, Crete island). 31st General Assembly European Seismological Commission ESC, Crete, 7 - 12 September 2008.
- 49) Antonioli F., Ferranti L., Fontana A., Anzidei M., Auriemma R., Amorosi A., M., Bondesan A., Braitenberg C., Dutton A., Fontolan G., Furlani S., Lambeck K., Leoni G., Mastronuzzi G., Monaco C., Radic Rossi I., Orrù P., Spada G., Solinas E., Stocchi P. (2008) - Comparing long term (MIS 5.5) and short term (late Holocene) sea level change data with instrumental (tide gauge, levelling) data in Italy and the Mediterranean. Empirical constraints on sea-level rise over the next century, University of Bern/IMAGES/PAGES, Bern, Switzerland, 25-29 August 2008.
- 50) Antonioli F., Deino A., Ferranti L., Keller J., Marabini S., Mastronuzzi G., Negri A., Piva A., G.B. Vai, L. Vigliotti (2008) - A potential GSSP section for the Upper Pleistocene at Taranto (Southern Italy). 33rd International Geological Congress, Oslo.
- 51) Lambeck K., Antonioli F., Anzidei M., Ferranti L., Leoni G. (2010) - Sea level change along Italian coast during the Holocene and prediction for the future. Durham 2010.
- 52) Cella F., Ferranti L., Florio G. & Maschio L. (2010) - New insights on some structural geometries in Southern Apennines by multiscale analysis of potential fields. EGM 2010 International Workshop, Capri - Italy, April 2010.
- 53) Antonioli F., Lambeck K., Anzidei M., Ferranti L., Leoni G., Scicchitano G., Silenzi S. (2010) - Sea level change along the Italian coast during the Holocene and projections for the future. IPCC workshop on sea-level rise and Ice Sheet Instabilities. Kuala Lumpur, Malaysia, June 2010, p. 9.
- 54) Ferranti L. & Oldow J. S (2010). Non-plane extensional strain during slip on the Wassuk Range fault zone, central Walker Lane, west-central Nevada. Annual Meeting Geological Society of America, Denver (31 October –3 November 2010), Paper No. 49-2.
- 55) Shilpakar, Prabin, Biholar, Alex, Naqi, Mohammad, Nix, C.K., Oldow, John S., Geissman, J.W., Stockli, Daniel F., Ferranti, L. Mesozoic structural localization and late Neogene and Holocene slip along the low-angle Wassuk Range front fault, central Walker Lane., western-central Nevada. Annual Meeting Geological Society of America, Denver (31 October-3 November 2010), Paper No. 49-3.
- 56) Biholar, Alex, Naqi, Mohammad, Oldow, John S., Ferranti, Luigi, Stockli, Daniel F. (2010) - Late Neogene slip transfer and extension within the curved Whisky Flat fault system, central Walker Lane, west-central Nevada. Annual Meeting Geological Society of America, Denver (31 October –3 November 2010), Paper No. 49-4.
- 57) Galluzzi, V., Di Achille, G., Ferranti, F., Popa, C., & Palumbo, P. (2013) - Kinematic analysis of lobate scarps cross-cutting Mercurian craters. European Planetary Science Congress, Vol. 8, EPSC2013-825.
- 58) Di Achille, G., Popa, C., Galluzzi, V., Ferranti, F., Zusi M., Mazzotta Epifani E., M. Della Corte V. & Palumbo, P. (2013). Towards a refinement of the D-L fault scale relationship for Mercury using MESSENGER topography. European Planetary Science Congress, EPSC Abstracts Vol. 8, EPSC2013-816, 2013
- 59) Lena G., Ferranti L. A critical comparison between field observations and seismic data to constrain fold and thrust geometries in Sicily and in the Southern Apennines. AAPG Europe Region 2014 Meeting: Mesozoic and Cenozoic carbonates of the Neo-Tethys: old and new concepts for petroleum exploration. 25-26 March 2014.
- 60) Ferranti L., Burrato P., Guzzetta L., Pepe F., Barreca G., Mattia M., Monaco C. & V. Bruno (2014). Active thrusting in SW Sicily (Italy): hunting for seismogenic sources using a multidisciplinary approach. 2014 Annual Meeting Geological Society of America, Vancouver, British Columbia (19–22 October 2014). Paper No. 242-7.
- 61) Ferranti L., Pace B., Vasta M., Colella A., Ramondini M., Calcaterra D., Di Bianco S., Valentini A., De Massis J., Teodoro P., Berardi D., La Rocca N. (2015) Evaluation of the seismogenic potential in key areas of the central and southern Apennines through analysis of speleothem vulnerability. 6th International INQUA Meeting on Paleoseismology, Active Tectonics and Archaeoseismology, 19-24 April 2015, Pescara, Fucino Basin, Italy. Miscellanea INGV 2015, n. 19, 155-157.
- 62) Galluzzi V., Di Achille G., Ferranti F., Rothary D. A. & Palumbo, P. (2015). Geological map and structural analysis of the Victoria quadrangle, Mercury. European Geosciences Union General Assembly, Vienna, 12-17 April 2015.
- 63) Galluzzi, V., & the SIMBIOSYS Geologic Mapping Team: Carli C., Di Achille G., Ferranti L., Ferrari S., Frigeri A., Galluzzi V., Giacomini L., Guzzetta L., Mancinelli P., Massironi M., Pauselli C., Pozzobon R., Vivaldi V., Zambon F., Zusi M., Capaccioni F., Cremonese G., Palumbo P., Flamini E. (2015), Geological mapping of Mercury in view of the BepiColombo mission: an approach to find eligible targets for the SIMBIOSYS instrument. European Space Agency Planetary GIS Workshop, ESA's Planetary GIS Workshop, 5-7 May 2015, ESAC, Madrid, Spain.
- 64) Rovere A., Stocchi P., Antonioli F., Ferranti L., DeBoer B., Lorscheid T., (2015). Last Interglacial sea level in the Mediterranean Sea: field data, tectonics and isostatic adjustment. PALSEA2 2015 Workshop: Data-Model Integration and Comparison, 22-24 July, Atmosphere and Ocean Research Institute, University of Tokyo, Japan
- 65) Barreca, G., Guzzetta, L. Ferranti, L., Monaco, C. (2015). Hunting for past earthquakes in the central Mediterranean; some emblematic cases from the Sicilian collision zone. International Conference: Georisks in the Mediterranean and their mitigation University of Malta - Valletta Campus 20-21 July 2015, Proceedings Volume, p. 33-39.
- 66) Meccariello, M., Ferranti, L., Barreca, G., Di Stefano, A., Monaco, C. (2015). New insights on the tectonic evolution of the Lampedusa shelf from interpretation of seismic reflection profiles and field data. International Conference: Georisks in the Mediterranean and their mitigation University of Malta - Valletta Campus 20-21 July 2015, Proceedings Volume, p. 66-67.
- 67) Meccariello, M., Ferranti, L., Pepe, F. (2015). Current tectonic activity in the NW sector of the Sicily Channel based on seismic profile analysis. International Conference: Georisks in the Mediterranean and their mitigation University of Malta - Valletta Campus 20-21 July 2015, Proceedings Volume, p. 68-69.
- 68) Zambon F., Galluzzi V., Carli C., Giacomini L., Massironi M., Palumbo P., Guzzetta L., Mancinelli P., Vivaldi V., Ferranti L., Pauselli C., Frigeri A., Zusi M., Pozzobon R., Cremonese G., Ferrari S., Capaccioni F. (2015). Color variations on Victoria quadrangle: support for the geological mapping. European Planetary Science Congress 2015, La Cité des Congrès, Nantes, France 27 September – 02 October 2015. EPSC Abstracts Vol. 10, EPSC2015-826, 2015.
- 69) Galluzzi V., Guzzetta L., Giacomini L., Ferranti, F., Massironi M., Di Achille G., Palumbo P. (2015). Timing of two fault systems on Mercury. European Planetary Science Congress 2015, , La Cité des Congrès, Nantes, France 27 September – 02 October 2015. EPSC Abstracts Vol. 10, EPSC2015-927, 2015.
- 70) Valentini A., Pace B., Vasta M., Ferranti L., Colella A., and Vassallo M. (2016). Could the collapse of a massive speleothem be the record of a large paleoearthquake? EGU General Assembly 2016, Geophysical Research Abstracts, Vol. 18, EGU2016-8187, 2016.
- 71) Galluzzi V., Ferranti F., Guzzetta L., Giacomini L., Massironi M., & Palumbo, P. (2016). Investigating the architecture and evolution of the Victoria Rupes – Antoniadi Dorsum Array, Mercury. 47th Lunar and Planetary Science Conference (LPSC), March 21-25. 2016, The Woodlands, Texas.
- 72) Galluzzi V., Guzzetta L., Mancinelli P., Giacomini L., Ferranti F., Massironi M., Palumbo, P., Pauselli C. & Rothery D. A. (2016). Merging of new 1:3M Mercury geologic maps at northern mid-latitudes: status report. 47th Lunar and Planetary Science Conference (LPSC), March 21-25. 2016, The Woodlands, Texas.
- 73) Valentini A., Pace B., Vasta M., Ferranti L., Colella A., Vassallo M., Montagna P., Pons-Branchu E. (2017). Could the collapse of a massive speleothem be the record of a large paleoearthquake? Seismological Society of America Annual Meeting, Denver, April 2017 (<http://meetings.seismosoc.org>, session "Toppled and Rotated Objects in Recent, Historic, and Prehistoric Earthquakes")

- 74) Galluzzi V., Guzzetta L., Mancinelli P., Giacomini L., Malliband C., Mosca A., Wright J., Ferranti L., Massironi M., Pauselli C., Rothary D. A., Palumbo, P. (2017) - EGU General Assembly 2017, Geophysical Research Abstracts, Vol. 19, EGU2017-13822-1, 2017
- 75) Mattia M., Barreca G., Bottari C., Bruno V., Burrato P., Cultrera F., Dardanelli L., De Gregorio S., Ferranti L., Guzzetta L., Madonia P., Monaco C., Pepe F., Pipitone C. (2016). First results of an INGV project for the integrated analysis of the active tectonics in SW Sicily. EGU General Assembly 2017, Geophysical Research Abstracts, Vol. 19, EGU2017-4463-1, 2017
- 76) Guzzetta L., Galluzzi V., Ferranti L. & Palumbo P. (2017). Geology of the Shakespeare quadrangle (H03), Mercury. European Planetary Science Conference (EPSC), Riga, Lettonia.
- 77) Galluzzi V., L. Guzzetta, P. Mancinelli, L. Giacomini, C. Malliband, A. Mosca, J. Wright, L. Ferranti, M. Massironi, C. Pauselli, D. A. Rothery, and P. Palumbo (2017). Building up the 1:3M geological map of Mercury. European Planetary Science Conference (EPSC), Riga, Lettonia.
- 78) Pepe F., Corradino M., Nicolich R., Barreca G., Bertotti G., Ferranti, L., Monaco C. (2017). Fore-arc deformation in the Paola Basin segment (offshore western Calabria) of the Tyrrhenian-Ionian subduction system. Fall Meeting American Geophysical Union, New Orleans, 11-15 Dec. Abstract T41A-0594.
- 79) Galluzzi V., L. Guzzetta, P. Mancinelli, L. Giacomini, A. M. Lewang, C. Malliband, A. Mosca, D. Pegg, J. Wright, L. Ferranti, H. Hiesinger, M. Massironi, C. Pauselli, D. A. Rothery, and P. Palumbo (2018) - The making of the 1:3M geological map series of Mercury: status and updates. Conference: Mercury: Current and Future Science of the Innermost Planet; Columbia (MD) May 2018.
- 80) Galluzzi V., D. A. Rothery, M. Massironi, L. Ferranti, and the Mercury Mapping Team (2018) - Towards the redefinition of the global stratigraphy of Mercury: the case of Intermediate Plains. Conference: Mercury: Current and Future Science of the Innermost Planet; Columbia (MD) May 2018.
- 81) Guzzetta L., V. Galluzzi, L. Ferranti, and P. Palumbo (2018) - Geologic Map of the Shakespeare Quadrangle (H03), Mercury. Conference: Mercury: Current and Future Science of the Innermost Planet; Columbia (MD) May 2018.
- 82) Forlano, S., Ferranti, L., Milano G. (2018) - Active deformation between the Campania Plain and the Apennines based on integration of geological, geomorphological and seismological data. 9th International INQUA Meeting on Paleoseismology, Active Tectonics and Archeoseismology (PATA), 25 – 27 June 2018, Possidi, Greece.
- 83) Giacomini L., Galluzzi V., Carli C., Massironi M., Ferranti L. & Palumbo P. (2018). Updates on geologic mapping of Kuiper (H06) quadrangle. European Planetary Science Congress, Berlin (Germany) EPSC Abstracts Vol. 12, EPSC2018-721-1, 2018.
- 84) Bottari C., Ferranti L., Frisetti A., Marazzi F. (2018). The 847 AD earthquake: historical sources and archeoseismological indications for a better definition of the damaging area. 31st General Assembly European Seismological Commission, Malta, ESC2018-S36-195.
- 85) Hinzen Klaus-G., O'neill R., Schwellenbach I., Burrato P., Ferranti L., Sharon R. K., Bottari C. (2018). Earthquake history of the Greek temples at Selinunte, SW Sicily. 31st General Assembly European Seismological Commission, Malta, ESC2018-S36-96.
- 86) Natale J., Ferranti L., Scarpati C., Marino C., Sacchi M. (2018). Structural features of the Neapolitan Yellow Tuff (NYT) collapse caldera resurgent dome system in the Campi Flegrei offshore sector, Southern Italy. Fall Meeting American Geophysical Union, Washington D.C., V31H-0218.
- 87) Natale J., Ferranti L., Marino C., Sacchi M. (2019). Structural frame and volcano-tectonic evolution of the Campi Flegrei collapse caldera-resurgent dome system in the Pozzuoli bay based on multiscale seismic profiles analysis. EGU General Assembly 2019, Geophysical Research Abstracts, Vol. 21, EGU2019-1194, 2019.
- 88) Galluzzi V., L. Giacomini, L. Guzzetta, A. M. Lewang, C. Malliband, P. Mancinelli, D. Pegg, A. Semenzato, J. Wright, L. Ferranti, H. Hiesinger, M. Massironi, P. Palumbo, C. Pauselli, and D. A. Rothery (2019). Geological Mapping of Mercury. EGU General Assembly 2019, Geophysical Research Abstracts, Vol. 21, EGU2019-18802-1, 2019.

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-Membro del Collegio di Dottorato del DST (2007-2013); Membro del Collegio di Dottorato del DiSTAR, Università di Napoli Federico II (2013-2017).

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