



GIULIANO F. PANZA

Socio dal 2004

Nato a Faenza (RA) il 27 Aprile 1945

Ordinario di Sismologia, Università di Trieste

Laureato in Fisica presso Università di Bologna (1967)

- Visiting post Doc, University of Uppsala (Sweden) 1969
- Assistente Ordinario, Università di Bari 1970-1980
- Post Doc Fellow, University of California Los Angeles (USA) 1971/1974
- Professore Associato, Università di Bari 1973-1980
- Visiting Professor, Polytechnic of Zurich (Switzerland) 1977
- Professore Ordinario di Prospezioni Geofisiche, Università di Trieste 1980-1988
- Professore Ordinario di Sismologia, Università of Trieste 1988-
- Lecturer Diploma Course in Earth System Physics, ICTP-Trieste, 2006-
- Organizzatore e docente Lezioni Lincee di Fisica, Università of Trieste, 2007-

- Premio *Ettore Cardani*, Università di Torino 1968;
- *Fulbright Fellow* 1970;
- *Premio Linceo* Accademia Nazionale dei Lincei Roma 1990;
- *Benno Gutenberg medal* from the European Geophysical Society, 2000;
- *Doctor Honoris Causa* in Physics from University of Bucharest – Romania 2002;
- *Onorary Fellow* Fondazione Internazionale Trieste per il progresso e la libertà delle scienze, 2004;
- *CEI Medal of Honour*, 2004;
- *Honorary Professor*, Institute of Geophysics, China Earthquake Administration, 2005;
- *Commemorative Medal*, Vietnam Academy of Science and Technology, 2009
- *Lectio Magistralis*, inaugurazione Anno Accademico 2009-2010 dell'Università di Trieste, alla presenza del Presidente della Camera dei Deputati.

Campi di interesse:

- modellazione propagazione onde elastiche a larga banda in mezzi eterogenei, anelastici,
- analisi ed inversione propagazione onde sismiche in mezzi eterogenei,
- struttura interna della Terra, tettonica delle placche,
- previsione a medio termine spazio-temporale dei terremoti,
- microzonazione sismica di insediamenti urbani e pericolosità sismica a scala nazionale, modulazione climatica della sismicità.
- sismologia vulcanica, produzione di CO₂ da parte del mantello terrestre

- Panza, G.F., Peccerillo, A., Aoudia, A., Farina, B. **Geophysical and petrological modelling of the structure and composition of the crust and upper mantle in complex geodynamic settings: The Tyrrhenian Sea and surroundings** (2007) *Earth-Science Reviews*, 80 (1-2), pp. 1-46. Cited 49 times (Scopus 2011).

- Klügel, J.-U., Mualchin, L., Panza, G.F. **A scenario-based procedure for seismic risk analysis** (2006) *Engineering Geology*, 88 (1-2), pp. 1-22. Cited 26 times (Scopus 2011).

- Panza, G.F., Raykova, R.B., Carminati, E., Doglioni, C. **Upper mantle flow in the western Mediterranean** (2007) *Earth and Planetary Science Letters*, 257 (1-2), pp. 200-214. Cited 23 times (Scopus 2011).

- Panza, G.F., Raykova, R.B. **Structure and rheology of lithosphere in Italy and surrounding** (2008) *Terra Nova*, 20 (3), pp. 194-199. Cited 14 times (Scopus 2011).

- Panza, G., Doglioni, C., Levshin, A. **Asymmetric ocean basins** (2010) *Geology*, 38 (1), pp. 59-62. Cited 5 times (Scopus 2011).

**GIULIANO F. PANZA****Member since 2004**

Born Faenza (RA) 27 April 1945

Full Professor Seismology, University of Trieste

Laurea in Physics University of Bologna (1967)

- Visiting post Doc, University of Uppsala (Sweden) 1969
- Assistant Professor, University of Bari 1970-1980
- Post Doc Fellow, University of California Los Angeles (USA) 1971/1974
- Associate Professor, University of Bari 1973-1980
- Visiting Professor, Polytechnic of Zurich (Switzerland) 1977
- Full Professor Geophysical Prospecting, University of Trieste 1980-1988
- Full Professor Seismology, University of Trieste 1988-
- Lecturer Diploma Course in Earth System Physics, ICTP-Trieste, 2006-
- Organizer and Lecturer Lezioni Lincee di Fisica, University of Trieste, 2007-

- Premio *Ettore Cardani*, University of Torino 1968;
- *Fulbright* Fellow 1970;
- *Premio Linceo* Accademia Nazionale dei Lincei Roma 1990;
- *Beno Gutenberg medal* from the European Geophysical Society, 2000;
- *Doctor Honoris Causa* in Physics from University of Bucharest – Romania, 2002;
- *Onorary Fellow* Fondazione Internazionale Trieste per il progresso e la libertà delle scienze, 2004;
- *CEI Medal of Honour*, 2004;
- *Honorary Professor*, Institute of Geophysics, China Earthquake Administration, 2005;
- *Commemorative Medal*, Vietnam Academy of Science and Technology, 2009
- *Lectio Magistralis*, opening Anno Accademico 2009-2010 of Trieste University, in the presence of the President of the Chamber of Deputies.

Fields of interest:

- broad-band modelling of waves propagation in heterogeneous inelastic media,
- analysis and inversion of wave propagation in heterogeneous inelastic media,
- Earth inner structure, plate tectonics,
- middle-range medium-term earthquake prediction,
- seismic microzonation of urban settlements and seismic hazard at national scale,
- climate modulation of seismicity,
- volcano seismology, Earth mantle production of CO₂

- Panza, G.F., Peccerillo, A., Aoudia, A., Farina, B. **Geophysical and petrological modelling of the structure and composition of the crust and upper mantle in complex geodynamic settings: The Tyrrhenian Sea and surroundings** (2007) *Earth-Science Reviews*, 80 (1-2), pp. 1-46. Cited 49 times (Scopus 2011).

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