

Milton P. Plasencia Linares

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Degrees

April 2008, Ph.D., Earth Sciences, Trieste University, Italy

October 1993, Geophysics, La Plata National University, Argentine

Experience

1993 - 1996 – Seismological Monitoring at Deception Island, South Shetland Is., Antarctica

1997 - 2011 – Regional and Global Seismological Monitoring, Installations of Broadband seismographic stations in the Scotia Sea area (Antarctica) in the frame of the DNA (Argentine) - PNRA (Italy) agreement for the deployment of the Antarctic Seismographic Argentinean Italian Network - ASAIN.

1993 - 2011 – 13 Antarctic campaigns.

Honors and awards

2000 - 2001, and

2003 - 2004 – Training and Research in Italian Laboratories (TRIL) grant for the The Abdus Salam International Centre for Theoretical Physics (ICTP) at the OGS.

2004 - 2006 – OGS grant for the development of my PhD at Trieste University.

Teaching

1993-2000 Teacher assistant at La Plata National University, Argentine

Main Publications

P-wave velocity structure beneath the northern Antarctic Peninsula: evidence of a steeply subducting slab and a deep-rooted low-velocity anomaly beneath the central Bransfield Basin
Yongcheol Park, Kwang-Hee Kim, Joochan Lee, Hyun Jae Yoo and Milton P. Plasencia L.
Geophys. J. Int. (2012) doi: 10.1111/j.1365-246X.2012.05684.x

Russi M., Febrer J. M. & Plasencia Linares M. P., 2010. The Antarctic Seismographic Argentinean-Italian Network: technical development and scientific research from 1992 to 2009. *Bolletino di Geofisica Teorica ed Applicata*, Vol. **51**, n.1, pp. 23-41; March 2010.

Plasencia Linares M. P., 2008. Lithospheric characteristics and seismic sources in the Scotia Arc through waveform inversion. Ph.D. Thesis, Trieste University, Italy.

Guidarelli, M., Russi, M., Plasencia Linares, M. P., Panza, G. F., 2003. The Antarctic Seismographic Argentinean Italian Network and the progress in the study of structural properties and stress conditions in the Scotia Sea region. *Terra Antarctica Reports*, vol. **9**.

Plasencia Linares, M. P., Bukchin, B. G., Guidarelli, M., Russi, M., and Panza, G. F., 2004. The 4 August 2003 earthquake recorded by ASAIN network in Antarctica and Tierra del Fuego. *Bolletino di Geofisica Teorica ed Applicata*, vol. **45**, n. 2 supplement, 3-03.

Carcione J. M., Helle H. B., Seriani, G., Plasencia Linares, M. P., 2005. On the simulation of seismograms in a viscoelastic Earth by pseudospectral methods. *Geofísica Internacional*, vol. **44**, n 2, pp. 123-142.

Presentations

The 4 August 2003 earthquake recorded by ASAIN network in Antarctica and Tierra del Fuego. GeoSur 2004 International Symposium, Buenos Aires, Argentine, November 22-23, 2004.

Retrieving focal mechanism for the aftershocks sequence of the August4, 2003, 7.5 Ms, South Orkneys Islands Centenary Earthquake. IASPEI General Assembly, Santiago de Chile, Chile, October 2-8, 2005.

Observational Seismology in the Scotia Sea region. Poster presentation, IUGG XXIV General Assembly, Perugia, Italy, July 2-13, 2007.

Advances in the construction of the Antarctic Seismograph Argentinean Italian Network - ASAIN. ESC General Assembly in Montpellier (France), September 6-10, 2010.

Italy-Argentina cooperation in the field of seismology: The ASAIN. Historical review and recent progress. Geosur 2010 Mar del Plata - Argentina, November 21-26, 2010.

Technical Skills

High experience in Real Time software for Seismology: EarthWorm, SeisComp3 and Antelope Matlab basics, Programming languages Fortran, UNIX shell scripting, General Mapping Tools (GMT). Applications: \LaTeX , vi, awk, sed, Microsoft Office, and other common packages for Windows, Linux, MacOSX and Solaris platforms.

Other information:

Date of birth: May 23rd, 1960.

Nationality: Argentinean

Languages: Spanish (native), Italian (fluent), English (fair)