

Alfredo Mazzotti short Bio

University of Pisa



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Alfredo Mazzotti is Emeritus Professor of Geophysics at the University of Pisa where he has been teaching courses at the *B.Sc. in Physics*, at the *B.Sc. in Geology* and at the *Master of Science in Exploration and Applied Geophysics*.

He currently acts as the *Scientific Director* of the *University Consortium for Geophysics*, in La Spezia, an organization promoting geophysics and its applications for natural resources, environment and engineering.

He graduated with honours at the *University of Florence* in the distant 1981 with a dissertation on seismic tomography and, after having served as a *2nd lieutenant* in the Italian Army Alpine Troops, he started his career in Geophysics at *ENI- Hydrocarbon Exploration*. There he met the hardship of confronting real data problems in both processing and inversion of geophysical data, a trait that has since permeated all his research efforts also in academia.

His current research activities include stochastic full waveform inversion, integration of active and passive seismic data for the monitoring of industrial processes, seismic-petrophysical inversion and 2D/3D seismic data processing. The main fields of applications are geothermal and hydrocarbon exploration and monitoring, civil engineering and environmental studies.

Alfredo Mazzotti has acted as a consultant for the *European Commission*, the *National Research Council*, the *Italian Ministry for University and Research*, and the *Research Council of Norway*.

He has authored more than 170 publications between peer reviewed papers and conference proceedings and has received the *EAGE Loran Eotvos Award* in 1998 and again in 2006 for the best paper published in *Geophysical Prospecting*. He is a referee for many scientific journals and has chaired many scientific sessions at international conferences.

He is a member of the *European Association of Geoscientists and Engineers (EAGE)*, and of the *Society of Exploration Geophysicists (SEG)*. First president of the *Italian EAEG-SEG Section*.