

Flavio Poletto was born in Italy in 1952. He received the Laurea in Fisica from the University of Trieste in 1988 with a Thesis on the complex seismic traces. He is employed at the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS, Italy, where he has been working in seismic data processing from 1984 to 1987. From 1988 he has been working as geophysicist at seismic-while-drilling research using the drilling noise to obtain reverse VSP. He deals with borehole geophysics and wavefield analysis in seismic, acoustic and borehole applications. From 2003 he is senior Geophysicist (Dirigente di Ricerca), and actually he is coordinator of the Borehole Geophysics group at OGS (GEO section).

Its research activity includes acquisition and processing by conventional VSP, seismic while-drilling (RVSP) acquisition and processing, with applications extended to the drilling diagnostics and geosteering. His research activity includes also seismic interferometry with applications to seismic exploration, seismic while drilling using the tunnel boring machine (TBM) as a seismic source (TSWD), and Borehole geophysics applications for Geothermal purposes, with applications around geothermal wells. Recently its study and experimental research has been dedicated to planning, acquisition and processing of ground force measurements to characterize the emission properties of vibrating and impulsive seismic sources in the near field and far field.

He is author of many scientific papers on borehole and acoustic methods, and he is author of a scientific book on seismic while drilling (SWD). In 2001 and in 2003 he received a Honorable Mention for papers selected in the category of the Best Paper in GEOPHYSICS. In 2010 he received the Best Paper Award from ASCE (American Society of Civil Engineers) Earth and Space 2010 Conference, for a laboratory testing on SWD in Lunar environment (MOONBIT Project).

He is co-author of patents on the use the drill-bit-noise separation for RVSP using statistical independence, and on the selective stacking of drill bit data using drilling parameters. He is co-author of a patent on the seismic use of the noise of the working TBM.

He was the proposers, supervisor of the development and currently he is the scientific coordinator of the PITOP instrumented-well test site of OGS (Northern Italy).