

Brief CV of Francesco Vespe

He is working for the Italian Space Agency, Geodesy branch, Matera; since 1988. His Scientific activities was developed in the field of Space Geodesy, Fundamental Physics, Navigation and Earth Observations, . .

In the field of Fundamental Physics he joined the group which for the first time attempted to measure the Lense-Thirring Gravitomagnetic field the twin laser ranged LAGEOS satellites. His contribution concerned the modeling and the assessment of the uncertainties due to Earth's tides. Furthermore he have developed non gravitation orbital perturbations models due to the solar radiation pressure. He has proposed to perform General relativistic experiments on GALILEO satellites: DORESA & MILENA (G4S), injected in a wrong too eccentric orbit by ESA. Gravitational Redshift, perigee precession, Lense-Thirring and alternative theory of Gravitation are the topics that G4S plans to tackle. The project was accepted for funding by ESA .

He furthermore was Program/Project Manager of several Space Geodesy and Earth Observations activities based on Global Navigation Satellite System technology. He was Chief Scientist of the Italian Space Agency ROSA missions devoted to GNSS radio occultation. Project Manager and Scientist for ASI in many programs funded by European Union based on GNSS technology applied in the fields of: Meteorology, Climate, Seismicity and Landslides (natural Hazards);

-Currently Member of the GALILEO Science Advisory Group (ESA/GSAC) of the European Space Agency

Author of more than 150 scientific papers published on national & international peer reviewed scientific journals