

## **CV Prof. Paolo Teofilatto (School of Aerospace Engineering @ University “La Sapienza” Rome)**

- Dean of the School of Aerospace Engineering of Sapienza-University of Rome since 2014.
- Full Professor since 2003 in the field of Flight Mechanics.
- PhD in Aerospace Engineering at the School of Aerospace Engineering in 1993.
- PhD in Mathematics at King's College London in 1990.

### ACTIVITIES

- Ordinary Member of the International Academy of Astronautics (International Academy of Astronautics, IAA) since 2004.
- Chairman of the International Astronautical Federation (IAF), Astrodynamics Symposium since 2004.
- Member of the Italian Space Agency Scientific Board, 2019 to present.
- Member of the ESA Schiaparelli Inquiry Board, 2017.
- Educational Director of "High level postgraduate course in aerospace engineering", dedicated to Iraqi engineers and funded by the Ministry of Foreign Affairs, (2012-2013).
- Project Manager of the Italian / Iraqi TigriSat satellite launched in 2014.
- Leader of the scientific and technological research project of the Aerofast Program, funded by the European Union, Seventh Framework Program 2009-2011.
- Responsible for projects of scientific missions within the INTAS and ALPHA programs. He has been responsible for the University research projects: "RPVs flight testing for high altitude flights", "Flight on Mars", "Development of a small rockets as a test bed for guidance and control experiments".
- Responsible of the Program SIMONA funded by the Piano Nazionale Ricerca Militare, 2020
- Responsible of Working Group of the Program Miracle II, funded by the European Defence Agency
- Responsible of the Working Group of the Program Aramis, Piano Nazionale Ricerca Militare, 2019
- Reviewer of the American Mathematical Society (AMS) since 1989.
- Referee of the most important international aerospace journals.
- He is on the Editorial Committee of Aerotecnica Missili e Spazio since 2007.
- He is on the Editorial Committee of the Italian Institute of Navigation since 2002.
- He is Director of the Flight Mechanics panel for the Italian Society of Mathematics Applied to Industry (SIMAI) since 2000.
- He has participated in the GAUSS group for the realization and the launch of university micro satellites (6 microsattellites).

Engaged in consulting activity for: ESA-ESTEC "Weak Stability Boundary Earth Moon Transfer" (1998/1999), "Low energy interplanetary transfers" (2001/2002). For Fiat Avio-ELV in the projects "Ciclon 2 Launcher Design Review" (1998), "Launcher trajectories optimization" (2000), "Performance analysis for non nominal VEGA configurations" (2001). For Alenia in the project "Atlantic Bird station keeping strategy" (2000), "Optimal strategy for ARTEMIS orbit acquisition" (2001). For CIRA: "Unmanned Space Vehicles Project" (2002). For Alenia Marconi System in the project "Missile Trajectory reconstruction from radar data" (2003). For Selex-Si in the project "Stochastic non linear filter for ballistic observed objects" (2004). For the Italian Air Force for "Use of constellations of microsattellites in operative scenarios" (2005), for the Italian Space Agency in "Lunar Orbiter" (2006/2007), and for "Space debris detection" (2008). Consultant for the SAS in the "Satellite recovery" project (2008), MBDA consultant for "Robust Control for missile applications", for "Development of the National VEGA Guidance Navigation and Control Flight Program Software" (2010) and for "Hardware in the loop development for VEGA GNC "(2011), Avio consultant for "Air-launch from cargo aircraft "(2011), for GAUSS Srl: "Design and analysis of sounding rockets (2012), "Innovative Launch systems for microsattellites" (2016).

AUTHOR of more than 100 publications in the field of aerospace engineering and general mechanics