Europass
Curriculum Vitae

Personal information

First name / Surname	Stefano Cicalò
Address(es)	c/o Polo Tecnologico di Navacchio Via Mario Giuntini 63, 56023 Navacchio di Cascina (PI), ITALY
Telephone	(39) 0507519607
E-mail	cicalo@spacedys.com
Nationality	Italian
Date of birth	27-08-1982 (Nuoro, ITALY)
Gender	Male

Desired employment / Occupational field

Research fellow

Work experience

Dates	09/2012 - now
Occupation or position held	Worker at SpaceDyS s.r.l. (www.spacedys.com) software house and member of administration board
Main activities and responsibilities	Space Missions technical area manager, software development for orbit determination and Radio-Science experiments (ESA BepiColombo and NASA JUNO missions), Earth's objects re-entry prediction analysis.
Dates	2011
Occupation or position held	Charter Member of SpaceDyS s.r.l. (www.spacedys.com) software house Via Mario Giuntini 63, 56023 Navacchio di Cascina (PI)
Dates	01/2011 - 09/2012
Occupation or position held	Research fellow
Main activities and responsibilities	Software development for the ESA BepiColombo mission to Mercury Radio-Science experiment.
Name and address of employer	Department of Mathematics, University of Pisa, Largo Bruno Pontecorvo 5, 56127 Pisa.
Type of business or sector	Applied mathematics, mathematical physics.

Education and training

Dates	2008 – 2010
	PhD student in Mathematics at the University of Pisa. Subject: Theoretical and experimental aspects on the rotation of celestial bodies, orbit determination software development. (PhD Thesis dissertation date June 20 2012)
Dates	2005 - 2007
	Master's Degree in Mathematics at the University of Pisa. Thesis subject: Orbit determination and parameter estimation of a s/c around another planet.

Dates	2001-2005
	Bachelor's Degree in Mathematics at the University of Pisa. Thesis subject: Orbit determination of an asteroid with very short arcs.
Personal skills and competences	
Mother tongue	Italian
Other language(s)	English (First Certificate in English (level B2*)) *(*) [Common European Framework of Reference for Languages](#)*
Computer skills and competences	Operating systems: Linux, Windows, MacOSX Programming languages: Fortran90 Software: Matlab, Maple, Latex, Office/OpenOffice, Python
Additional information	
Publications and proceedings	1. S.Cicalo', D.J.Scheeres: Averaged rotational dynamics of an asteroid in tumbling rotation under the YORP torque, Celest Mech Dyn Astr 106, Issue 4, 301-337, (2010). 2. A. Milani, G. Tommei, D. Vokrouhlicky, E. Latorre and S. Cicalo : Relativistic models for the BepiColombo radioscience experiment, Proceedings of the IAU Symposium 261 Relativity in Fundamental Astronomy: Dynamics, Reference Frames, and Data Analysis, Cambridge University Press, (2009). 3. E.M. Alessi, S. Cicalò, A. Milani, G. Tommei: Desaturation maneuvers and precise orbit determination for the BepiColombo mission, Mon. Not. R. Astron. Soc. 423, 2270–2278 (2012) . 4. S. Cicalò, A. Milani: Rotation state of Mercury from satellite gravimetry, Mon. Not. R. Astron. Soc. 427, 468–482 (2012) . 5. Cicalò S., Schettino G., Di Ruzza S., Alessi E.M., Tommei G., Milani A.: The BepiColombo MORE gravimetry and rotation experiments with the ORBIT14 software. Mon. Not. R. Astron. Soc. 457, Issue 2, p.1507-1521 (2016). 6. Cicalò S., Beck J., Minisci E., Guerra F., Holbrough I., Lemmens S., Riccardi A., Vasile M. GOCE radar-based Orbit Determination for Re-Entry Predictions and comparison with GPS-based POD. *Proc. 7th European Conference on Space Debris, Darmstadt, Germany, 18–21 April 2017*
Conferences, Workshops, Schools.	1. Frontiers of Space Science: from Solar Activity to NEOs, L'Aquila (Italy), April 2011. 2. International Workshop on Paolo Farinella (1953-2000): the scientist and the man, Department of Mathematics, Pisa (Italy), June 2010. 3. Workshop on classical and weak KAM theorem, Montegrotto Terme (PD, Italy), February 2010. 4. Celmec V, San Martino al Cimino (VI, Italy), September 2009 5. Workshop "Geodesy and geophysics working group" of the ESA BepiColombo project (Rome,2008 and Berlin, 2010). 6. Summer school "Numerical Methods in Astrodynamics " (Piana del Fucino Space Center (AQ), 2008). 7. Workshop "General Relativity working group " of the ESA BepiColombo project (Rome,2009). 8. Sardinian Summer School in Astrophysics (Radio Astronomy), (Pula (CA), June 2012). 9. European Conference on Space Debris, Darmstadt, Germany, 18–21 April 2017
References	1. Andrea Milani, University of Pisa: milani@dm.unipi.it 2. Daniel J. Scheeres, University of Colorado scheeres@colorado.edu