



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Alessandro Rossi**

Nationality Italian

Work experience

Dates From December 1, 1994

Occupation or position held Researcher

Main activities and responsibilities Research in the fields of: Space flight dynamics, Space debris and reentry of risk objects, Planetary sciences.

Name and address of employer Consiglio Nazionale delle Ricerche
Piazzale Aldo Moro, 7 - 00185 Roma (I)

Type of business or sector Public Research Institution

Education and training

Dates 11/11/99

Title of qualification awarded Ph.D. In *Astrophysique et techniques spatiales* with *très honorable avec félicitations de la jury (cum laude)*

Principal subjects/occupational skills covered Thesis on "Natural and artificial debris around solar system bodies"

Name and type of organisation providing education and training University Denis Diderot (Paris 7) in Paris

Personal skills and competences

Mother tongue(s) Italian

Other language(s)

Self-assessment
European level (*)

English
French

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
(C1) Proficient user	(C2) Proficient user	(C2) Proficient user	(C1) Proficient user	(C1) Proficient user	(C2) Proficient user		
B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	(B1) Independent user		

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

Organisational skills and competences

- Chairman of Session IAA.6.5. "Space Debris Mitigation" at the 50th International Astronautical Congress, Amsterdam, Netherlands, 4 -- 8 october, 1999.
- Organizer of the School/Workshop "Optimization of space flight trajectories", Pisa, 7 -- 8 May 2002 .
- Organizer of the Workshop "Asteroid Rotation Day", Pisa, 26 april 2004
- Chairman of Session IAA.5.12.5 "Modelling and Risk Analysis of Space Debris and Meteoroids" at the 55th International Astronautical Congress Vancouver, Canada, 4-8 october 2004.
- Chairman of Session "Debris & meteoroid environment modelling", at the 4th European Congress on Space Debris, ESOC, Darmstadt, Germany, 18—20 April 2005.
- Scientific responsible for several contracts with the European Space Agency for the analysis of the long term evolution of the space debris population.
- Since 1999 member of the Inter Agency Debris Coordination Committee (IADC) and from 2004 to 2006 served as Chairman of IADC Working Group 2 on modelling.
- Scientific Organizing Committee (SOC) member of the International Workshop "Paolo Farinella - The scientist and the man"(14-16 June, 2011, Pisa, Italy)
- SOC Co-chair of the international conference "1970-2010: the golden age of Solar System exploration" (10-12 September 2012,Rome, Italy)
- From 2010 to 2018, member, and leader of the space debris sub-task, of the Task Group NATO SCI-229 TG "Space Environment Support to NATO Space Situational Awareness"
- Scientific Coordinator of the H2020 ReDSHIFT (*The Revolutionary Design of Spacecraft through Holistic Integration of Future Technologies*) project.
- Member of the SOC of the "First International Orbital Debris Conference (IOC)", December 9–12, 2019, Sugar Land (Houston), TX, USA.

Technical skills and competences

Working in the field of planetary science, astrodynamics and space debris since the early 90's. Expert in dynamics and physics of the small bodies in the solar system, space missions design and data analysis, modeling of the long term evolution of space debris and mitigation strategies, impact risk assessment, orbit determination of space objects and reentry of space objects.

Computer skills and competences

Linux expert.
Fortran expert.

Additional information

Member of the ``Societa' Italiana di Meccanica Celeste'', of the American Astronautical Society (DPS) and of COSPAR.

Author of more than 80 papers on international Journal with referees and more than 90 papers in conference proceedings.

The asteroid 1990 RV2 was renamed (5185) Alerossi in recognition of his contributions in asteroids and debris studies.

Recipient of the 2016 "Kramer Prize" from the "Pia Fondazione Edoardo Kramer" and Istituto Lombardo Accademia di Scienze e Lettere for his work on the dynamics of space debris

Annexes

Luogo e data,

Sesto Fiorentino,

31/05/2021

Alessandro Rossi

