



**Name:** Anna Notarantonio

Year of Birth: 1954

Company: ThalesAleniaSpace Italia

Education: Degree in Mathematics

Assignment in the Company As managerial staff, she is responsible of the department that has in charge all the activities relevant to:

- space segment mission analysis
- flight operations engineering
- in orbit satellite maintenance
- launcher interface.

### Training

- "Advanced management program" at ThalesAleniaSpace Italia
- "Satellite telecommunication technology" organised by Dr. M. Kaplan at REISS ROMOLI School
- "Group building" at Alenia Spazio
- "Work Breakdown Structure Organisation" at Alenia Spazio
- "Assessment Quadri" at Alenia Spazio
- "Introduction to ORACLE" at ORACLE Italia
- "ORACLE manipulation languages: SQL and PL/SQL" at ORACLE Italia
- "La riunione efficace" at IRI

### Work Experience

TODAY	<ul style="list-style-type: none"> <li>- In the frame of the Sentinel-1 program, she is responsible for the satellite flight operations and supervises the activities related to mission analysis.</li> <li>- She is responsible of all the activities relevant to the in orbit maintenance of COSMO FM1 and FM2, RADARSAT 2(remote sensing satellites)</li> <li>- She is responsible of the in orbit operations for the SABRINA mission (under ASI contract)</li> <li>- She supervises the activity relevant to the in orbit maintenance of SICRAL 1, Atlantic Bird-1, ARTEMIS (telecommunication satellites)</li> <li>- She has the supervision of the activities concerning the mission analysis and the in orbit operation of SICRAL-1B satellite</li> </ul>
2007-2004	<ul style="list-style-type: none"> <li>- She was responsible of the COSMOSkymed space segment operations and launcher interface as well as responsible for the satellite and constellation mission analysis.</li> <li>- She was responsible of the ThalesAleniaSpace team supporting the LEOP operations of COSMO FM1 (June 2007), COSMO FM2 (December 2007) and RADARSAT 2 (December 2008).</li> <li>- She participated to the proposal for the provision of the HudHud system with responsibility in the frame of launcher interface and flight operations</li> <li>-</li> </ul>
2003-2001	<ul style="list-style-type: none"> <li>- She was responsible of the ThalesAleniaSpace team supporting the LEOP operations of SICRAL 1 (February 2001), ARTEMIS (July 2001) and ATLANTIC BIRD 1 (August 2002).</li> <li>- She was responsible of the in orbit operations to the recovery phase of the ARTEMIS satellite.</li> <li>-</li> </ul>
1997-2001	<ul style="list-style-type: none"> <li>- She was responsible of the mission analysis and in flight operations of ARTEMIS (ESA contract), ATLANTIC BIRD 1 (EUTELSAT contract) and SICRAL 1 ((Italian MoD contract))</li> <li>- She had the supervision of the activities concerning the definition of the ground segment, the service availability analysis and the constellation analysis in the frame of TELEDESIC project.</li> <li>- She participated to the proposal for GSTBV-2 (now GIOVE B) with responsibility in the frame of launcher interface and flight operations.</li> <li>- In the frame of GALILEO Phase B2, she was responsible of the definition of the space segment operability requirements .</li> <li>-</li> </ul>
1991-1996	<ul style="list-style-type: none"> <li>• She was responsible for the mission analysis and flight operations the ITALSAT F2 satellite (under ASI contract). The satellite was successfully launched on the 8th of August 1996: as project support manager, she supported the launch operations at the ESA Control Center of Darmastd (ESOC)</li> <li>•</li> </ul>
1983-1991	<ul style="list-style-type: none"> <li>• She was responsible for the mission analysis and for the in orbit operations of the ITALSAT F1 satellite (under ASI contract). The satellite was successfully launched on 15th of January 1991. As project support manager, she supported the launch operations at the ESA Control Center of Darmastd (ESOC).</li> <li>•</li> </ul>
1982-1983	<ul style="list-style-type: none"> <li>• She participated at a feasibility study (under CNR/PSN contract) about the analysis of attitude and orbit problems concerning satellites cluster and intersatellite link.</li> <li>•</li> </ul>
1979-1982	<ul style="list-style-type: none"> <li>• She was responsible for the mission analysis of the SIRIO2 satellite.</li> <li>• In the frame of IRIS project she performed dynamics studies.</li> <li>•</li> </ul>

- |           |   |
|-----------|---|
| 1978-1979 | <ul style="list-style-type: none"> <li>• She participated to feasibility studies concerning the IROS satellite for Earth Resources.</li> <li>• She carried out coverage analysis for the domestic TV satellite.</li> <li>•</li> </ul> |
| 1977-1978 | <ul style="list-style-type: none"> <li>• She participated to the last period of the SIRIO 1 project and to the post flight data elaboration.</li> </ul>   |

### Additional information

- appointment as lecturer in "Space electronics" at University of Perugia for the academic sessions 1996/1997, 1997/1998 and 1998/1999
- appointment as lecturer in the Master for graduate students in "Advanced Communication and Navigation Satellite Systems" at Tor Vergata University of Rome
- 

### languages

- Italian: Mother tongue
- English: Fluent

### Publications:

- L. Mazzini, A. Notarantonio, F. Palutan: "Mission and Operations Aspects of In-Orbit Ion Propulsion Management", 22nd International Electric Propulsion Conference
- L. Amorosi, R. Killinger, A. Notarantonio, 'ARTEMIS Ion Propulsion –Satellite Interaction' AIAA Congress, 2005.
- L. Amorosi, A. Notarantonio, G. B. Palmerini, G. Taini, 'Application of Genetic Algorithm in Mission Design', 2005.
- L. Amorosi, C. Galeazzi, A. Notarantonio, 'COSMO-Skymed constellation control: hardware and software implications', IAF Congress 2004.
- L. Mazzini, A. Notarantonio, L. Amorosi, 'Full Successful ARTEMIS Salvage Mission Overall', ACTA ASTRONAUTICA. vol 55 issues 3-9 on pp 669-676.
- A. Pérez Cambriles, A. Notarantonio, L. Amorosi 'Final Stage of ARTEMIS Orbit Raising', AIAA Congress, San Diego, September 15-18, 2003.
- A. Notarantonio, L. Amorosi, 'Four Arcs Strategy Optimization for the ARTEMIS Rescue', IAF Congress, Bremen, Germany, Sept. 30-October 2, 2003. IAC-03-A.2.03.
- R. Killinger, A. Notarantonio, L. Amorosi, 'Ion Propulsion System Saves ARTEMIS Satellite', IAF Congress, Bremen, Germany, Sept. 30-October 2, 2003. IAC-03-S.4.01.
- Lucia Amorosi, Anna Notarantonio, Elvira Calì, Alberto Ritorto, Claudio Galeazzi, "COSMO-Skymed constellation control: hardware and software implications"