Name	Demetrio Labate	
Organization / Position	Program Manager / Senior Advisor CTO & Capability – LEONARDO Electronics Division (Italy)	

Highlights

Demetrio Labate received his Master Degree in Electronic Engineering at the University of Florence and he started his career at Officine Galileo (now Leonardo) in 1990 as optical designer after an intensive on site course on optics. Since 1995 he started working in the Space Dept. as Project Manager for several ESA and ASI studies of optical instruments for Earth Observation satellites. His interests focused for many years on the development of hyperspectral systems for both space and avionics applications. Recently he was involved in ESA studies relevant to definition and design of CubeSat payloads.
Currently he is Program Manager / Senior Advisor within the CTO department of Leonardo Electronics Business Unit with responsibility for studies and new developments. He is lecturer of the "Master in Satellite Systems and Services" at University of Sapienza in Rome and of the "Department of Aerospace Science and Technology" at Politecnico of Milan, where he gives lessons on Space optical instrumentation design and principles of satellite remote sensing.

Professional Main Experiences

2021- today	**CTO & Capability – LEONARDO Electronics Division (Italy)** **Program Manager / Senior Advisor** • Program Manager / Technical Coordinator for: - EE-10 HARMONY Optical Payload (Phase A – ESA program) - Leonardo WPS for ODIN'S EYE EU program for Space Situational Awareness (SSA) and early warning capabilities. - Support to Marketing / Strategic initiatives for Space LoB
2009 - 2020	**Leonardo (former Finmeccanica / Selex ES / Selex Galileo) Space LoB** • Program Manager / Technical Coordinator for: - EnVisS and DISC - COMET INTERCEPTOR MISSION (ESA EXPRO Contracts) - Copernicus CHIME Instrument (Phase A/B1 – ESA program) - Copernicus CO2M Payload Calibration Unit (Phase A/B1 – ESA program) - NorthStar Hyperspectral SWIR Payload (Commercial initiative) - SHALOM Payload (Phase A/B1 - ASI /ISA program) - LUMIO Payload for a Lunar Cubesat – Phase A - ESA study) - E.Inspector Payload (Phase A . ESA study) - TIRI Optics (Thermal Infra-Red Imaging Instrument – Phase A ESA program) - FLEX predevelopments activities (ESA program) - 3MI for MetOp-SG Instrument and predevelopment (Phase A/B1 -ESA program) - CarbonSat Payload Calibration Unit (Phase A/B1 - ESA program) • Industrial Technical Leader of FORUM Proposal (selected for EE-9 Missions) • Manager of several ESA / ASI Phase B2/C/D proposal (e.g. PRISMA, 3MI, LI, MAJIS)
2009	**Head of "Earth Observation Studies" Department - Selex Galileo**
1995-2008	**Galileo Avionica - Space Payload Instrument Department** • Project Manager for several ESA and ASI Phase A/B1 studies including: - SMLA (Superspectral Mission for Land Applications) - MSI (Multi Spectral Imager) for EarthCare Mission - FACS (Future Atmospheric Chemistry Sensors) - HYPSEO Hyperspectral Camera (ASI program) - LI (Lightning Imager) for MTG - GEO UVN Sounder for Sentinel 4 • Supervisor of GOME-2 METOP spectrometer calibration and processing activity at TPD / TNO (Phase C/D)

	• Program Manager for design and manufacturing of the avionic Hyperspectral Camera SIM.GA (Winner of Selex Galileo "Innovation Award" 2006) • Convenor of an ECSS Level 3 Working Group (ECSS-E-20-09 – Optical Design)
1990 - 1994	**Officine Galileo – Optical Design Dept.** • Design of lenses and scanning systems for military and civilian applications • Development of software for modelling and analysis of optical systems • Design of instruments for space applications (HRIS, OM/XMM, IASI)
1987-1988	**Laboratory of Ultrasound & Non-destructive Tests, Electronic Engineering Department of the University of Florence** • Ultrasound images processing / statistical analysis of echographic data

Education

1989 – 1992 : Specialist Courses on:

- Optics and Optical Design (4 months full time) – Officine Galileo (IT)
- Infrared Optical Design – Kidger Optics (UK)
- Thermal Instruments Design for Military Applications – SIRA (UK)
- Stray light analysis / design with APART (R. Breault) – Breault Research (USA)

1987 : Master Degree (Laurea) in Electronic Engineering at the University of Florence (107/110)

1979 : Diploma Liceo Scientifico Leonardo da Vinci of Florence (53/60)

Nationality	**Italian**			**Year of birth**	**1961**
Languages	**Italian** *Mother tongue*	**English** *Fluent*	**Portuguese** *Intermediate*	**French** *Elementary*	

Main Papers: see Annex (Google Scholar contents)

Demetrio Labate

Program Manager Earth Observation Space Instruments, Leonardo (former Finmeccanica / Selex ES)
Space Instrumentation

	Tutte	Dal 2017
Citazioni	247	167
Indice H	9	8
i10-index	7	5

1 articolo 2 articoli

Non disponibili Disponibili

In base ai mandati di finanziamento

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