

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)	Gottifredi, Franco	
Address(es)	Via Pisoniano 23 00012 – Guidonia Montecelio (Roma) Italy	
Telephone(s)	+39 – 06 – 4151.2082 (Office)	Mobile: +39 – 338 – 5710128
E-mail	Franco.Gottifredi@thalesaleniaspace.com	
Nationality	Italian	
Date of birth	28/01/1971	
Gender	Male	

Work experience

Dates	From February 2002 to currently
Occupation or position held	Head of Navigation Systems, Augmentations & Interoperability Unit
Main activities and responsibilities	<p>Currently responsible of an Engineering Team composed by 11 persons, with different backgrounds and skills, working and in charge to follow and support all the activities relevant to Navigation.</p> <p>Furthermore, in charge of:</p> <ul style="list-style-type: none"> - R&D activities definition and coordination, - Proposal/Bid management (> 20 proposal carried out in 4 years and > 10 acquired contracts for a total of > 20M€) - RoadMaps definition & development for future products - Support to Business Unit Technological & Strategic Plans definition <p>Project Manager of the Galileo Test Range that represent the Italian Initiative to set-up an European Centre of Excellence for the Navigation. The Galileo Test Range has been finally integrated and verified on July 2007 and it is operative since February 2008.</p> <p>Furthermore, in charge of:</p> <ul style="list-style-type: none"> - GNSS Evolution programs - EGNOS programs technical management - RoadMaps development for future products
Name and address of employer	Thales Alenia Space Italia S.p.A., Via Saccomuro 24, 00131 – Rome, Italy (TAS was Alenia Spazio and, after, Alcatel Alenia Space before taking the current name)
Type of business or sector	Aerospace Industry

Dates	From June 2000 to July 2004
Occupation or position held	Navigation System Engineer
Main activities and responsibilities	Responsible of the Galileo System Test Bed (GSTB) and of the System Integration & Verification activities definition coordinating an International Team (of 8 persons from different countries and Companies as, for example: Astrium Germany, Astrium UK, Space System Finland, GMV from Spain, Roving from Denmark, etc...) in the Galileo Industries S.p.A. that was a joint venture among the major aerospace companies in Europe (Alenia Spazio, Alcatel Space, Astrium D, Astrium UK, Thales). The work on the SI&V activities definition aimed in particular to: <ul style="list-style-type: none"> - identify the Galileo In-Orbit Validation Architecture - identify the SI&V Plan - identify the System Verification Test Case - identify the required Verification Tools - identify criticality and associated risks.
Name and address of employer	LABEN S.p.A. + Alenia Spazio S.p.A. (Co-Located in Galileo Industries S.p.A.)
Type of business or sector	Aerospace Industry

Dates	From October 1996 to January 2002
Occupation or position held	Software & System Engineer
Main activities and responsibilities	The main activities carried out have been in the area of SW developments both as developer and as coordinator. The developed SW was for on-board applications (e.g. Tensor™ Space Born Receiver DSP SW) and for on-ground engineering activities (e.g. Raw Data Simulator for Receiver PVT and Attitude Determination algorithms Testing). In particular the following main activities has been carried out: <ul style="list-style-type: none"> - SW Design & Development following ECSS (in C and Assembly Languages) - Team Coordination for SW Development (DSP and Navigation SW) - Project Coordination - GPS Raw Data Simulator Development
Name and address of employer	LABEN S.p.A., SS. Padana Superiore 290, 20090 – Vimodrone (Milano), Italy
Type of business or sector	Aerospace Industry

Dates	From January 1996 to June 1996
Occupation or position held	Stagiaire
Main activities and responsibilities	Design & Development of an algorithm for the initialization of the attitude determination process on-the-fly (on-board satellites) using GPS Based Systems.
Name and address of employer	ESA/ESTEC, Keplerian Str. 1, Noordwijk, The Netherlands
Type of business or sector	Space Agency

Education and training

Dates	November 2007
Title of qualification awarded	Speaking with Impact
Principal subjects/occupational skills covered	Main arguments addressed: <ul style="list-style-type: none"> - Verbal & Not-Verbal Communication - Impact of the Voice - Impact of the Sight - Impact of the supporting media (e.g. slides, videos, etc...)
Name and type of organisation providing education and training	Thales University
Dates	October 2007
Title of qualification awarded	Passport to People Management

Principal subjects/occupational skills covered	Main arguments of the People Management course were: <ul style="list-style-type: none"> - Testimony and sharing experience; - Roles and responsibilities of the manager; - Autonomy and operational motivation tools; - Elaboration of a management methodology; - Delegating; - Objective setting
Name and type of organisation providing education and training	Thales University
Dates	October 2006
Title of qualification awarded	IPR Management
Principal subjects/occupational skills covered	Main points addressed: <ul style="list-style-type: none"> - The Intellectual Property: Why and How to Protect it - Strategic Aspects of the Intellectual Property - Patenting Process: Phases and Functions - The SW protection: Patent and/or Copyright? - Patent Maturity (Benchmarking & Best Practices) - Activities Plan to support the Short Term Intellectual Property Objectives
Name and type of organisation providing education and training	Finmeccanica
Dates	February 2004
Title of qualification awarded	Program Management
Principal subjects/occupational skills covered	Main arguments of the course <ul style="list-style-type: none"> - Program management - Cost management - Risk management
Name and type of organisation providing education and training	ESA
Dates	October 1997
Title of qualification awarded	Models for the competitiveness
Principal subjects/occupational skills covered	Main arguments of the course <ul style="list-style-type: none"> - Organizing Systems & Structures - The Financial and Economic Dimension of an Enterprise - Quality to Compete
Name and type of organisation providing education and training	Finmeccanica
Dates	November 1990 – July 1996
Title of qualification awarded	M.Sc. Degree on Aeronautical Engineering with specialization in Space aspects
Principal subjects/occupational skills covered	Main Subjects: Applied Mathematics and Physics, Aerodynamics, Flight Mechanics, Orbital Mechanics, Astronautics, Programming Techniques, etc.
Name and type of organisation providing education and training	Politecnico of Milano
Level in national or international classification	Master of Science Degree

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English, French and Spanish**

Self-assessment
European level (*)

English

French

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
(C1)	Proficient User	(C1)	Proficient User	(C1)	Proficient User	(C1)	Proficient User	(B2)	Independent User
(B2)	Independent User	(B2)	Independent User	(B2)	Independent User	(B2)	Independent User	(B1)	Independent User
(B1)	Independent User	(B1)	Independent User	(A2)	Basic User	(A2)	Basic User	(A2)	Basic User

(*) Common European Framework of Reference for Languages

Organisational skills and competences

- Leadership (currently responsible for a team of 11 persons)
- Communication skill
- People Management (leading team and tutoring persons of other units)
- Customer oriented
- Innovative

Technical skills and competences

- High Profile in Navigation Aspects as, for example:
 - o Orbital Mechanics & Orbit Determination Techniques
 - o Navigation Signals
 - o Synchronization Techniques
 - o User Terminals Technologies
- High Profile on System of Systems Aspects as, for example:
 - o Integration & Interoperability among complex systems (e.g. GPS, Galileo, Earth Observation, ATM, etc...)
 - o Definition of SoS Architecture
 - o Data Fusion
- Competence on Ground/Space Communication Networks & Systems
- Good Profile on SW Life Cycle and relevant standards (e.g. ECSS)

Computer skills and competences

OPERATING SYSTEMS. Good knowledge of the followings:

- SunOs or Solaris (UNIX), Linux, Windows 95/98/ME/2000/NT/XP/2003

SOFTWARE STANDARDS. Good knowledge of the followings:

- ESA – ECSS Software Engineering Standards
- Galileo Software Standards

PROGRAMMING LANGUAGES. Good knowledge of the followings (even if not used for last years):

- C/C++/Visual C++, FORTRAN 77, Matlab

SOFTWARE APPLICATIONS. Good knowledge of the followings:

- Microsoft Office (Word, Excel, Power Point), Microsoft Visio, Microsoft Project,
- Telelogic DOORS-TREK,
- Matlab,
- Satellite Toolkit Pro

Artistic skills and competences

- Painting, Mosaic creations, Cooking

Other skills and competences

- Practice of Sports (Archery, Skiing, Football, Volleyball, Biking, Swimming, etc...)

Driving licence

Driving Licence B

Additional information

- In 2005 selected within the 15 High Potential people in the Finmeccanica Group
- Alcatel Alenia Space Innovation Award Winner of 2006
- 1 Patent Filed (18/12/2007) on a Network Synchronization System

Annexes

- List of Publications

ANNEX 1

LIST OF PUBLICATIONS

- [01] *"SynchroNet: High Performance Network Synchronization System"*
INGRID'08 – Instrumenting the Grid, 9-11 April 2008, Lacco Ameno, Isola di Ischia (Italy)
- [02] *"Galileo Test Range: Performance Test Results"*
ION National Technical Meeting 2008, 28-30 January 2008, San Diego (California)
- [03] *"Galileo Test Range Pseudolites: a Performance Augmentation System"*
ION National Technical Meeting 2008, 28-30 January 2008, San Diego (California)
- [04] *"UERE Budget Characterization during the Galileo IOV Test Campaign"*
ION National Technical Meeting 2008, 28-30 January 2008, San Diego (California)
- [05] *"GNSS Signal Monitoring Facility: a Performance Monitoring Asset"*
ION National Technical Meeting 2008, 28-30 January 2008, San Diego (California)
- [06] *"An Accurate UWB-Based Indoor Navigation System for Ubiquitous Computing"*
ION National Technical Meeting 2008, 28-30 January 2008, San Diego (California)
- [07] *"Galileo Test Range Pseudolites: a Performance Augmentation System"*
NAV'07 – The Navigation Conference & Exhibition, 31 Oct. – 1 Nov. 2007, (London, UK)
- [08] *"GNSS Signal Monitoring Facility: A Performance Monitoring Asset"*
NAV'07 – The Navigation Conference & Exhibition, 31 Oct. – 1 Nov. 2007, (London, UK)
- [09] *"Accurate Indoor Positioning and Localization Techniques for Pervasive computing Applications"*
Wireless Rural & Emergency Communication (WRECOM) Conference 2007, 1-2 Oct. 2007 (Rome, Italy)
- [10] *"Galileo Signal-In-Space: Present Status and Future Evolutions"*
13th Ka & Broadband Communications Conference, 24-26 Sept. 2007-11-07(Turin, Italy)
- [11] *"GNSS Signal Monitoring Laboratory Facility at AAS-I Premises: an Overview"*,
2nd Workshop on GNSS Signals and Signal Processing: GNSS Signal 2007, 24-25 Apr. 2007 (ESTEC, NL)
- [12] *"Evaluation of Mutual Interferences between GNSS and Air Traffic Control Radar"*,
Proceedings of the European Microwave Association – Special Issue on Radar Systems and Applications, March 2007
- [13] *"GALILEO, il Servizio di Navigazione Satellitare Europeo"*,
Convegno Nazionale AEIT, 16-20 September 2006, Capri (Italy)
- [14] *"Sincronizzazione di reti con tecniche di Common-view tramite segnali Galileo e GPS"*
Convegno Nazionale AEIT, 16-20 September 2006, Capri (Italy)
- [15] *"GALILEO IOV System Initialization and LCVTT Technique Exploitation"*
2006 Tyrrhenian International Workshop on Digital Communications - Satellite Navigation and Communications Systems, 6-8 September 2006, Island of Ponza (Italy)
- [16] *"Different Acquisition Algorithms for the GALILEO L1 Signal with BOC(1,1) Modulation"*
2006 Tyrrhenian International Workshop on Digital Communications - Satellite Navigation and Communications Systems, 6-8 September 2006, Island of Ponza (Italy)
- [17] *"GNSS Bit-True Signal Simulator – a Test Bed for Receivers and Applications"*
2006 Tyrrhenian International Workshop on Digital Communications - Satellite Navigation and Communications Systems, 6-8 September 2006, Island of Ponza (Italy)
- [18] *"Common-View Technique Application: an Italian Use Case"*
2006 Tyrrhenian International Workshop on Digital Communications - Satellite Navigation and Communications Systems, 6-8 September 2006, Island of Ponza (Italy)
- [19] *"The Galileo Test Range"*
Location 2006, 7-9 June 2006, Bangalore (India)
- [20] *"Evaluation of the Interferences of GNSS (Galileo/GPS) signals on Air Traffic Control Radar and Wind Profiler Radar"*
International Radar Symposium 2006,
- [21] *"Interference between GNSS and Air Traffic Control Radar (ATCR)/Distance Measuring Equipment (DME): an Italian Case of Study"*
European Navigation Conference 2006, 7-10 May 2006, Manchester (UK)
- [22] *"Galileo IOV System Integration & Verification"*
GNSS 2005, The European Navigation Conference, 19-22 July 2005, Munich, Germany

- [23] *"Galileo In Orbit Validation"*
DASIA 2005, Eurospace, 30 May – 2 June 2005, Edinburgh, Scotland
- [24] *"System Verification Approach, Methods, and Tools for Galileo"*,
ION 2003, The Institute of Navigation Conference, 9-12 September 2003, Portland, USA
- [25] *"Galileo System Verification: Approach, Methods, and Tools"*,
GNSS 2003, The European Navigation Conference, 22-25 April 2003, Graz, Austria
- [26] *"GalileoSat System Test Bed: A Unique Opportunity To Test Synchronisation Techniques"*,
EFTF 2001, March 2001, Neuchatel, Swiss
- [27] *"GPS Attitude Determination by Kalman Filtering: Simulation and Receiver Test Results"*,
8th AAS/AIAA Space Flight Mechanics Meeting,
February 1998, Monterey - CALIFORNIA, U.S.A..
- [28] *"Performance Results from the ARP-GPS Receiver Flight on the ORFEUS-SPAS Mission"*,
International Workshop "Spacecraft Attitude and Orbit Control Systems",
September 1997, ESTEC Noordwijk, THE NETHERLANDS.
- [29] *"A Software Simulation Environment for GPS Receiver Development"*,
International Workshop "Spacecraft Attitude and Orbit Control Systems",
September 1997, ESTEC Noordwijk, THE NETHERLANDS.
- [30] *"Use of Global Navigation Satellite Systems On-Board Geostationary Space Vehicles"*,
1997 Guidance, Navigation & Control Conference (AIAA),
August 1997, New Orleans LA, U.S.A..
- [31] *"A Visibility-Based Algorithm for the GPS Initial Integer Ambiguity Problem"*,
3rd ESA Guidance, Navigation & Control Symposium,
November 1996, ESTEC Noordwijk, THE NETHERLANDS.
- [32] *"Novel Techniques for an Integrated Spacecraft On-Board Autonomous Control System"*,
1996 Guidance, Navigation & Control Conference (AIAA),
July 1996, San Diego, CA, U.S.A..