

CURRICULUM VITAE

“I authorize the personal information treatments conform to the law N 196/2003”

Personal Data

First Name: Mariarosaria
Last Name: Minopoli
Place of Birth: Naples
Date of Birth: 1982, May 5
Nationality: Italian
Marital Status: Unmarried

Residence

Address: Via Diomede Carafa N°58 (Villino Eramo)
City: Naples
Country: Italy
Zip Code: 80124
Telephone: +390815708376
Fax: +390815708376
Mobile 1: +393470395299
Mobile 2: +393283167137
E-mail: rosy.82@libero.it

Education

High School Diploma: Maturità Scientifica
Institute: Liceo Scientifico Statale “Arturo Labriola”
Place: Naples
Country: Italy
From: 1995
To: 2000
Mark: 100/100

Degree: Aerospace Engineering
Institute: Università degli Studi di Napoli “Federico II”
Place: Naples
Country: Italy
From: 2000
To: 2006
Mark: 110/110 e lode
Thesis: Study and implementation of numeric methods for determining baseline in satellite formation flying.
Applicative Case: Use of Differential GPS (CDGPS) for determining baseline in CosmoSkymed-Bissat formation.

Technical Skills: GPS and Differential GPS (pseudorange and carrier phase). Least Squares Methods. Kalman Filter and Extended Kalman Filter. Ambiguity Resolution for the Double Differences Equations.

Methodological Skills: Ability of problem analysis and SW design. Structured approach to solve problems.

Management Skills: Autonomy. Ability of communication and presentation. Ability of synthesis and reporting. Work in team.

Languages

English **Level:** Fluent

Computer skills

Programming Languages

Matlab **Level:** Excellent

Applications

Internet Explorer **Level:** Excellent

Microsoft Word **Level:** Excellent

Microsoft Excel **Level:** Excellent

Microsoft Power Point **Level:** Excellent

Microsoft Visio **Level:** Excellent

Microsoft Project **Level:** Excellent

Job Experience

Previous Experiences

Type of contract: "Part-time" collaboration, "Orienta" Project

Institute: Università degli Studi di Napoli "Federico II"

From: July 2003

To: February 2004

Activity: Guidance for young students incoming at university

Type of contract: Stage

Company: Space Engineering S.p.A

From: May 2006

To: December 2006

Project: Galileo Test Range (GTR)

Activity:

- ✓ Tests and simulation with a GPS RF Signal Simulator
- ✓ Tests on GPS Pseudolite
- ✓ Preparation of Test Procedure and Test Report
- ✓ Preparation of Interface Control Document
- ✓ Preparation of HW and SW Manual

Type of contract: Project Contract

Company: Space Engineering S.p.A

From: December 2006

To: December 2007

Project: Applications of Satellite Navigation in the contest of Galileo adventure – SESTANTE

Activity: Contributes to technical documentation furniture

- ✓ WBS (Work Breakdown Structure)
- ✓ WPD (Work Package Description)
- ✓ PT (Product Tree)
- ✓ DDVP (Design, Development and Validation Plan)
- ✓ Project GANTT
- ✓ HW & SW Functional Requirements
- ✓ Requirements Traceability Matrix
- ✓ System and Subsystem Architecture Definition
- ✓ Research and Analysis of technique for the Near – Far Effect Resolution (in the contest of GPS and Galileo Pseudolites)
- ✓ Research and Analysis of technique for Antenna Beamforming
- ✓ Research and Analysis of technique for the detection, isolation and mitigation of interferences in the Galileo frequency band.

Project: Applications of Satellite Navigation in the contest of Galileo adventure – GALILEA

Activity: Contribution in the Development and Test of a SW for the SISE prediction and iono/tropo corrections.

Actual Experiences

Type of contract: Definitely Contract for two years

Company: Space Engineering S.p.A

From: December 2007

To: December 2009

Project: Applications of Satellite Navigation in the contest of Galileo adventure

Activity: Definition & Analysis of the GALILEO Test Master Schedule:

- ✓ Analysis & Definition of Interface Test Case;
- ✓ Analysis & Definition of Functional Test Case.

Project: TELESAL

Activity: Link Budget Calculation for Satellite Communication

Project: TRANSPONDERS – 2

Activity: Study and implementation of Link Budget Calculation for determining the implementation of the ACM Tecnique by using the Q/V Band in BroadbInternet Service through use of TLC Satellite

Publication

Title: GALILEA: GALileo Locale Element Augmentation for SISE predictiona nd Iono/Tropo Corrections

Institute: ATTI Magazine (satellite Navigation Italian Institute)

Date: January 2008