

# CURRICULUM VITAE



## PERSONAL INFORMATION

First Name / Surname

Address

Phone Number.

Mobile Phone

E-mail

Nationality

Date of birth

**MARCO MASTROGIUSEPPE**

## EDUCATION

- Date (from – to) **October, 2008 – October, 2011**
- Name and type of organization providing education and training  
DIET  
University of Rome "La Sapienza"  
via Eudossiana 18, 00185 ROMA – ITALY
- Principal subjects  
Remote Sensing for planetary exploration
- Title of qualification **Ph.D . in "Remote Sensing"** with a thesis on **"Sounder data analysis for Mars exploration"**  
Supervisor: Doct. Roberto Seu
- Date (from – to) **September, 2005 – May, 2008**
- Name and type of organization providing education and training  
DIET  
University of Rome "La Sapienza"  
via Eudossiana 18, 00184 ROMA – ITALY
- Principal subjects  
Telecommunications Engineering
- Thesis  
**Altimetric data inversion for Cassini mission**  
Supervisor : Prof. Giovanni Picardi
- Title of qualification awarded  
Master of Science
- Score  
110 / 110

## WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- 
- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- 
- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- 
- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- 
- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- 
- Dates (from – to)
- Name and address of employer
- Type of business or sector
- Occupation or position held

**OCTOBER 2013**

***“Cassini Altimeter data analysis”***

“INFOCOM department of La Sapienza”, Public University

Research contract

**NOVEMBER 2012**

***“Cassini data analysis”***

“INFOCOM department of La Sapienza”, Public University

Research contract

**DECEMBER 2011**

***“SHARAD data analysis”***

“INFOCOM department of La Sapienza”, Public University

Research contract

**DECEMBER 2010**

***“Analisi scientifica dei dati prodotti da radar sounder”***

“INFOCOM department of La Sapienza”, Public University

Research contract

**FEBRUARY 2009**

***“Scientific and engineering telemetry analysis, monitoring performance of the Shallow RADar (SHARAD) on board of Mars Reconnaissance Orbiter mission”***

“INFOCOM department of La Sapienza”, Public University

Research contract

**OCTOBER 2008 – NOVEMBER 2008**

***“Network Interface management for acquisition system data with synchronization data for GPS systems”***

- Occupation or position held

“Electrical engineering department of La Sapienza”, Public University

Research contract

## LANGUAGE SKILLS

Language

**ITALIAN**

OTHER LANGUAGES

**ENGLISH**

- Listening
- Reading
- Spoken
- Writing

GOOD

GOOD

GOOD

GOOD

## Computer skills and competences

Good Knowledge of Windows, Word, Excel, Power Point, Explorer, Firefox, Outlook, SQL, Matlab, Java, Envi, MMana, miniNec, Eznec

## Desired employment / Occupational field

I am really motivated to work in the research of radar field. I am also interested in wireless communications.

## Interest

I'm radioamatour since 1992 when I got the license to use the HAM bands.

Music: I love Jazz, bossanova and samba.

Travel : I like trekking and travelling.

## ANNEXES

### ANNEXE I : PUBLICATIONS

- (1) "Advanced processing of Altimetry Cassini radar data"  
Microwaves, Radar and Remote Sensing Symposium (MRRS),  
Kiev, 2011 M.Mastrogiuseppe, R.Seu, V.Poggiali,G.Picardi
- (2) "Mars subsurface investigation by MARSIS and SHARAD"  
European Geosciences Union 2010 - Vienna, 02 – 07 May 2010  
G. Picardi, A. Masdea, M. Restano, A. Loukas, R. Seu,  
M.Mastrogiuseppe
- (3) "Image resolution enhancing in the MARSIS experiment"  
European Geosciences Union 2010 - Vienna, 03 – 06 April 2011  
M. Restano, A. Masdea, M. Mastrogiuseppe, G. Picardi, R. Seu
- (4) " Dunes height estimation by Cassini radar altimeter"  
Icarus 02/2014; Volume 230 (Third Planetary Dunes  
Systems):191-197.  
Marco Mastrogiuseppe, Valerio Poggiali, Roberto Seu, Riccardo  
Martufi,Claudia Notarnicola
- (5) "The bathymetry of a Titan sea"  
Geophysical Research Letters 02/2014  
Marco Mastrogiuseppe, Valerio Poggiali, Alexander Hayes, Ralph  
Lorenz,Jonathan Lunine, Giovanni Picardi, Roberto Seu, Enrico  
Flamini, Giuseppe Mitri, Claudia Notarnicola, Philippe  
Paillou, Howard Zebker
- (6) "Synergy of Cassini SAR and altimeter acquisitions for the  
retrieval of dune field characteristics on Titan"  
Proceeding of SAR Image Analysis, Modeling, and Techniques  
XII, Volume: 8536  
Valerio Poggiali, Marco Mastrogiuseppe, Mattia Callegari,  
Riccardo Martufi, Roberto Seu, Domenico Casarano, Luca  
Pasolli, Claudia Notarnicola

Dept. Of Information Engineering, Electronics  
Telecommunications (DIET)  
University of Rome La Sapienza, Italy

email: marco.mastrogiuseppe@uniroma1.it  
March 25, 2014

**Marco Mastrogiuseppe** received the B.Sc. and M.Sc degree in telecommunication engineering in 2005 and 2008 respectively and Ph.D in remote sensing in 2011 from University of Rome La Sapienza , Italy.

Since 2008, he has been collaborating with lab Radar Group, Department of DIET, University of La Sapienza, Rome. His research activities are in the area of radar system design, signal processing and radar data interpretation with a special focus on radar altimeters and sounders for planetary exploration. During his PhD he payed particular attention to the problem of inversion procedures for retrieving dielectric properties information of the surface and subsurface of Mars from sounder data SHARAD and MARSIS experiment on board on MRO and MEX missions respectively. He presented his works at several seminary and scientific MARSIS and SHARAD meetings.

He has been also collaborating with the Cassini Radar Group for the interpretation of radar data, focusing attention to the altimetric observations of Titan dunes and lake/seas, giving presentations at several Cassini Radar Science Team meeting and publishing different papers. Thanks to his work on Titan, he was nominated by NASA to become a Cassini RADAR associate team member.

Dr. Mastrogiuseppe is currently collaborating in several projects such as the design of a radar altimeter system for Europa moon exploration.

Your Sincerely

Marco Mastrogiuseppe