

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name **GILDA SCHIRINZI**  
Address Dipartimento di Ingegneria - Università di Napoli Parthenope- Centro Direzionale Isola C4-  
Napoli, I-80143 Italy  
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Nationality Italian

**WORK EXPERIENCE**

- Dates 2008 – today
- Name and address of employer University of Naples “Parthenope”  
Centro Direzionale Isola C4- Napoli, I-80143 Italy
- Occupation or position held; Main activities and responsibilities Full Professor of Telecommunications  
Member of the Board of the Information Engineering Doctorate at the University of Naples  
“Parthenope” (2008-today)  
Deputy-Director of “Dipartimento per le Tecnologie” (2012-13).
- Dates 1998 – 2008
- Name and address of employer University of Cassino, Italy  
Via Di Biasio 43, I-03043 Cassino (FR), Italy
- Occupation or position held; Full Professor of Telecommunications (2005-2008)  
Associate Professor of Telecommunications (1998-2005)  
Member of the Board of the Information and Electrical Engineering Doctorate at the University of  
Cassino
- Dates 1988 – 1998
- Name and address of employer Istituto di Ricerca per l'Elettromagnetismo e i Componenti Elettronici (IRECE)- National Council  
of Research (CNR)  
Via Diocleziano 328, I-50128 Napoli , Italy
- Occupation or position held Senior Researcher (1997-1998)  
Researcher (1989-1998)  
Research Fellow (1987-1988)  
Head of the Electromagnetics Department (1992-1998)  
Member of the Scientific Board of IRECE
- Dates 1985-1986
- Name and address of employer European Space Research and Technology Centre (ESTEC), European Space Agency (ESA)  
Keplerlaan 1, Noordwijk, The Netherlands
- Occupation or position held Staff member, level A1

- Dates 1983-1985
- Name and address of employer University of Naples "Federico II"  
Via Claudio 21, I-80125 Napoli, Italy
- Occupation or position held Research Fellow

## EDUCATION AND TRAINING

- Dates 1978-1983
- Name and type of organisation providing training University "Federico II" of Naples  
Via Claudio 21, I-80125 Napoli, Italy
- Title of qualification awarded Master Degree in Electronic Engineering

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

**Italian**

OTHER LANGUAGES

**English**

- Reading skills
- Writing skills
- Verbal skills

Excellent  
Excellent  
Excellent

ORGANISATIONAL SKILLS

Some research project for which she was project manager for her research unit:

- "User Segment – SAR Images Interpretation Segment" Italian Space Agency (ASI), 2004-2005.
- "National Center for Data Reception, Achieving and Processing", Italian Space Agency (ASI), 2004-2005.
- "Multi-Channel Synthetic Aperture Radar Processing with ASAR data", ESA Category 1 project C1P.3173 (2005).
- "Web Telecontrol Unit", Euro.soft s.r.l., 2006-2008.
- "System design and performance analysis of a forward looking SAR mounted on a low altitude aircraft", MBDA-Italia SpA (2007-2008)
- TRAMP- "Integrated System for Control and Management for Transportation of Dangerous Goods", Italian Ministry of Research, 2007-2009.
- "Development of Imaging and Monitoring Methodologies Based on the Use of COSMO/SkyMed SAR data", ID 2246-Contract n. I/065/09/0, Italian Space Agency (ASI) 2010-2012.
- MELISSA - "Microwave Electronic Imaging Security & Safety Access" Italian Ministry of Economy, 2010-2015.

TECHNICAL SKILLS AND COMPETENCES

Gilda Schirinzi's skills cover signal and image processing, with particular reference to SAR data processing and coding, SAR interferometry and tomography. moving target detection and microwave remote sensing systems. Her scientific production amounts to more than 140 contributions on peer-reviewed international journals and conference proceedings.

RELEVANT PUBLICATIONS

List of ten relevant publications of Gilda Schirinzi:

- 1 A. Budillon, A. Evangelista, G. Schirinzi, "GLRT Detection of Moving Targets via Multibaseline Along-Track Interferometric SAR Systems", *IEEE Geosci. Rem. Sensing Letters*, vol. 9, pp. 348-352, 2012.
- 2 A. Budillon, A. Evangelista, G. Schirinzi, "Three Dimensional SAR Focusing from Multi-Pass Signals Using Compressive Sampling", *IEEE Trans. Geosci. Remote Sensing*, vol. 49, pp. 488-499, 2011.

- 3 M. Lucido, F. Meglio, V. Pascazio, G. Schirinzi, "Closed-Form Evaluation of the Second-Order Statistical Distribution of the Interferometric Phases in Dual-Baseline SAR Systems". *IEEE Trans. Signal Proc.*, vol. 58, p. 1698-1707, 2010.
- 4 G. Ferraiuolo, F. Meglio, V. Pascazio, G. Schirinzi, "DEM Reconstruction Accuracy in Multichannel SAR Interferometry", *IEEE Trans. Geosci. Remote Sensing*, vol. 47, p. 191-201, 2009.
- 5 A. Budillon, V. Pascazio, G. Schirinzi, "Estimation of Radial Velocity of Moving Targets by Along-Track Interferometric SAR Systems *IEEE Geosci. Rem. Sensing Letters*, vol 5, n. 3, pp. 349-353, 2008.
- 6 G. Ferraiuolo, V. Pascazio, G. Schirinzi, "Maximum a-Posteriori Estimation of Height Profiles in InSAR Imaging", *IEEE Geosci. Rem. Sensing Letters*, vol. 1, pp. 66-70, 2004.
- 7 V. Pascazio, G. Schirinzi, "SAR Raw Data Compression by Sub-Band Coding", *IEEE Trans. Geosci. Rem. Sensing*, vol. 41, n. 5, pp. 964-976, 2003.
- 8 V. Pascazio, G. Schirinzi, "Multi-Frequency InSAR Height Reconstruction through Maximum Likelihood Estimation of Local Planes Parameters", *IEEE Trans. Image Proc.*, vol. 11, n. 12, pp. 1478-1489, 2002
- 9 G. Franceschetti, M. Migliaccio, D. Riccio, G. Schirinzi, "SARAS: a Synthetic Aperture Radar (SAR) Raw Signal Simulator", *IEEE Trans. Geosci. Rem. Sensing*, vol.-30, n. 1, pp. 110-123, 1992
- 10 G. Franceschetti, G. Schirinzi, "A SAR Processor Based on Two Dimensional FFT Codes", *IEEE Trans. Aerosp. Electronic Syst.*, vol. 26, n. 2, pp. 356-366, 1990.