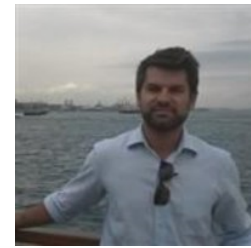




## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Alberto Lupidi**  
Address  
Telephone(s) Mobile  
Fax(es)  
E-mail(s) alberto.lupidi@cnit.it;  
Nationality Italian  
Date of birth 23/12/1982

### Work experience

Dates 01/01/2010 → ongoing  
Occupation or position held **Researcher (III Level)**  
Main activities and responsibilities Industrial and academic research  
Technical and Scientific Coordinator  
NATO, European, EDA and national interest projects  
Name and address of employer CNIT, Consorzio Nazionale Interuniversitario per le Telecomunicazioni  
Viale G.P. Usberti 131/A, Parma (Italia)  
  
CNIT-RaSS (National Laboratory of Radar and Surveillance Systems), Galleria Gerace 14, Pisa

Dates 24/07/2015 → ongoing  
Occupation or position held **Co-Founder / Advisor**  
Main activities and responsibilities Consultant  
Name and address of employer Echoes S.r.l.(CNIT spin-off), Via Giuntini, Navacchio

Dates 05/05/2013 → 10/10/2023  
Occupation or position held **Assistant Professor**  
Main activities and responsibilities Lecturer for classes of Radar Technology at the University of Pisa  
Lecturer for classes of Signal Theory at the University of Pisa  
Name and address of employer University of Pisa

Dates 01/10/2009 → 31/12/2009  
Occupation or position held **Informative Systems Assistant**  
Main activities and responsibilities Maintenance and programming of informative systems at Provincia di Livorno  
Name and address of employer TD Group  
V. Traversagna, Vecchiano  
Type of business or sector Information Technology

**Publications List** See annexes

**Education and training**

Dates	01/01/2010 → 18/10/2013
Title of qualification awarded	<b>European Doctorate in Remote Sensing</b>
Principal subjects / occupational skills covered	<ul style="list-style-type: none"><li>• Polarimetric Weather radar</li><li>• Passive radar systems</li><li>• SAR/ISAR processing</li><li>• Signal and data processing</li><li>• Radar Polarimetry</li><li>• Electromagnetic modelling</li><li>• Pattern recognition</li><li>• Classification</li></ul>
Name and type of organisation providing education and training	Università di Pisa (Italy)
Dates	23/03/2012 - 12/08/2012
Title of qualification awarded	<b>Guest researcher</b>
	Main Theme: feasibility study on applicability of Coherent and Incoherent scattering matrix decomposition methods on Weather Radar data for pattern recognition and meteorological classification
Principal subjects / occupational skills covered	<ul style="list-style-type: none"><li>• Weather Radar</li><li>• Polarimetric Radar</li><li>• Signal &amp; Data processing</li><li>• Radar Calibration</li></ul>
Name and type of organisation providing education and training	IRCTR - International Research Center for Telecommunications and Radar - TU Delft (Netherlands)
Dates	03/2005 - 09/2008
Title of qualification awarded	Master Degree in Telecommunication Engineering. Grade: 106/110
Principal subjects / occupational skills covered	Thesis title: "Analysis and statistical modeling of radiofrequency emissions due to geoseismical phenomena", research on digital signal processing over remote sensed electromagnetic data due to seismic events for a future project in earthquake early warning; developed with MatLab. <ul style="list-style-type: none"><li>• Digital Signal Processing</li><li>• Signal Theory</li><li>• Decision and Estimation Theory</li><li>• Electromagnetism</li><li>• Microwaves theory</li></ul>
Name and type of organisation providing education and training	Università di Pisa (Italy)
Dates	10/2001 - 03/2005
Title of qualification awarded	BsC degree in Telecommunication Engineering. Grade: 101/110
Principal subjects / occupational skills covered	Thesis title: "DVB-RCS technology in wide-band communications", study on a DVB standard to transmit and receive data with satellite technology and research over further development. <ul style="list-style-type: none"><li>• Wide-Band communication</li><li>• Wireless Communication</li><li>• Coding and Decoding</li></ul>
Name and type of organisation providing education and training	Università di Pisa (Italy)

Dates 09/1996 - 06/2001  
 Title of qualification awarded Science High School Diploma Grade 100/100  
 Name and type of organisation providing education and training L.S. "F. Enriques" (Scientific High School), Livorno (Italy)

Mother tongue(s) **Italian**

Other language(s)

Self-assessment <i>European level</i> (*)	Understanding		Speaking		Writing	
	Listening	Reading	Spoken interaction	Spoken production		
<b>English</b>	C1 Proficient user	C2 Proficient user	C1 Proficient user	C1 Independent user	C1	Proficient user
<b>German</b>	A1 Basic User	B1 Independent user	A1 Basic User	A2 Basic User	B1	Independent user

(\*) [Common European Framework of Reference \(CEF\) level](#)

Technical skills and competences

- Excellent knowledge of the technologies of active and passive radar, both for homeland security and for environmental monitoring, with specific experience in the design and analysis of systems.
- Specific experience in polarimetric radar and classification with radar data
- Good knowledge of algorithms for SAR / ISAR imaging.
- Excellent knowledge and development skills of algorithms for innovative signal and data processing.
- Good knowledge of electromagnetic modeling.
- Good Managing skill for project teamwork supervision

Computer skills and competences

- Excellent knowledge of MatLab and Simulink
- Good knowledge of C / C ++
- Sufficient knowledge of Fortran especially with respect to the electromagnetic modeling.

Artistic skills and competences Artist Diploma - Saxophone from Istituto Musicale "P. Mascagni", Livorno

**Additional information** Passed exam for abilitation to the profession of Engineer – 18/02/2009.