

June 2009

## Contacts

marco.delgreco@gmail.com  
Tor Vergata University  
Dottorandi Geoinformazione - room DT09  
Earth Observation Laboratory (EOLab)  
Dipartimento di Informatica Sistemi e Produzione (DISP)  
Via del Politecnico, 1 - 00133, Rome, ITALY

**Marco Del Greco** was born in Rome, Italy, in 1982. He obtained the Bachelor's and Master's degrees (grade 110/110 *cum laude*) in Telecommunications Engineering from the Tor Vergata University, Rome, Italy. He is now pursuing the Ph.D. degree in GeoInformation at the Earth Observation Laboratory, Tor Vergata University.  
Since 2007 he has been employed in Selex SI, a Finmeccanica company, as System engineer in the Large System for Homeland Protection Business Unit.  
As a Ph.D student he is currently involved in various remote sensing projects; his research activities include remote sensing image processing and SAR data analysis.  
In particular, his interests are related to the development and validation of novel unsupervised classification techniques using SAR data, with special emphasis on neural networks.  
He developed a first beta-version of a neural network algorithm, called PolSOM that has been released in collaboration with Cosimo Putignano and with the support and supervision of Domenico Solimini, Fabio Del Frate and Giovanni Schiavon.

## Publications and international conference contributions:

1. F. Del Frate, M. Del Greco, G. Schiavon, D. Solimini, C. Putignano, "Neural Network Unsupervised classification of L-band SAR data", XIII Riunione Cetem, IV Workshop AIT sul Telerilevamento a Microonde, Politecnico di Milano, November 2006.
2. F. Del Frate, M. Del Greco, G. Schiavon, D. Solimini, C. Putignano, "Self-organizing maps of polarimetric SAR imagery", POLinSAR 2007, ESRIN, Frascati, Italy, January 2007.
3. F. Del Frate, M. Del Greco, C. Putignano, D. Solimini, "Unsupervised classification of polarimetric SAR imagery by self-organizing neural networks", ESA-EUSC 2006: Image Information Mining for Security and Intelligence, EUSC, Torrejon Air Base - Madrid, Spain, November 2006.
4. A. Burini, F. Del Frate, M. Del Greco, C. Putignano, G. Schiavon, G. Solimini, "A neural approach to unsupervised classification of very-high resolution polarimetric SAR data", IGARSS'07, Barcelona, Spain, July 2007.
5. Fabio Del Frate, Marco Del Greco, Chiara Pratola, Cosimo Putignano, and Domenico Solimini, "Fully Automatic Land Cover Maps Generation Using Polarimetric SAR Data", Polinsar 2009, ESA ESRIN, il 26-30 January 2009.