

	Family Name Gelli	First Name Samuele	Title Dr.	Job Title Researcher
	Institution RaSS - CNIT		Address Galleria G.B. Gerace, 18, Pisa	Country Italy
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Education

Master's Degree in Telecommunication Engineering, University of Pisa (Italy), September 2013

Doctor of Philosophy in Remote Sensing, Ph.D, University of Pisa (Italy), March 2017

Employment

University of Pisa, Ph.D School in Remote Sensing, Ph.D Candidate, November 2013 – November 2016

University of Pisa/ RaSS-CNIT, Postdoctoral Researcher, November 2016 – February 2019

RaSS-CNIT Post, Graduate Researcher, February 2019 – Present

University of Pisa, Assistant professor for the course of Digital Communication, January 2019 - Present

Research

My research topic during the Ph.D activity is about non-cooperative moving target imaging reconstruction. In particular, the research is focused on clutter suppression through STAP processing and target imaging by using multichannel bistatic SAR systems. My current research activity is mainly in the following field of specialization: radar imaging including SAR and Inverse-SAR imaging, array beamforming and interference suppression and target detection.

Current Research Activities

ARIMOTA (Airborne Radar Imaging of Moving Targets): project founded by Italian MoD (Ministry of Defence) in collaboration with Singapore MoD

MIRACLE II (Micro-Satellite Clusters II): project founded by EDA (European Defence Agency) in collaboration with Kongsberg Spacetec (KSPT) (Norway), FFI (Norwegian Defence and Research Establishment) and Sapienza University of Rome (Italy)

POSEIDON (A Compact Combined UAV Polarimetric Ku Band Radar and EO/IR Sensor System for Oil Spill and Sea Debris Detection): project founded by MIUR (Italian Ministry of Education and University) in collaboration with Cartogalicia (Spain)

ARTESIAN (Update Radar Captec Strategic Research Agenda): project founded by EDA in collaboration with ONERA (France), TNO (The Nederland) and Hensoldt Sensors (Germany)

POLRAD (Using of Polarimetry for Radar Application): project founded by EDA in collaboration with Hensoldt Sensors (Germany)