



# Giovanni Alberti

Fixed-term assistant professor

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## *Education and training*

2014

### **Doctor of Philosophy**

On local constraints and regularity of PDE in electromagnetics. Applications to hybrid imaging inverse problems

University of Oxford - Oxford - GB

2011

### **Master of Science in Mathematics**

Reproducing Subgroups of the Symplectic Group - 110/110 e lode

University of Genoa - Genova - IT

2009

### **Bachelor of Science in Mathematics**

La precessione di Thomas - 110/110 e lode

University of Genoa - Genova - IT

## *Academic experience*

2016 - ONGOING

### **Assistant Professor**

University of Genoa - Genova - IT

2015 - 2016

### **Postdoc**

ETH Zürich - Zürich - CH

2014 - 2015

### **Postdoc**

École normale supérieure - Paris - FR

## *Language skills*

**English**

**French**

Proficient

## *Research interests*

Partial differential equations, functional analysis, applied harmonic analysis, wavelets, frame theory, compressed sensing, inverse problems,

mathematical imaging, medical imaging, machine learning.

## ***Grants***

2016 - 2018

### **Applied harmonic analysis and PDEs for inverse problems in imaging**

Marie Skłodowska-Curie Actions ETH Zurich - CH  
225700 CHF - Pricipal investigator

2019 - ONGOING

### **Infinite-dimensional inverse problems with finite measurements**

Università di Genova - IT  
59500 - Pricipal investigator

2020 - ONGOING

### **Machine Learning for Inverse Problems**

Air Force Office of Scientific Research - US  
252590 USD - Pricipal investigator

## ***Editorial activity***

Publons profile: <http://publons.com/a/1295489/>

Associate Editor of Inverse Problems in Science and Engineering.

Reviewer for Austrian Science Fund, AMS Mathematical Reviews, Applied Mathematics & Optimization, Calculus of Variations and PDEs, Chinese Journal of Mathematics, Contemporary Mathematics, ESAIM: Mathematical Modelling and Numerical Analysis, The IMA Journal of Applied Mathematics, Inverse Problems, Inverse Problems and Imaging, SIAM Journal on Mathematical Analysis, SIAM Journal on Numerical Analysis.