



## Francesca Astengo

Associate professor

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### *Education and training*

1997

#### **PhD in Mathematics**

Multipliers on harmonic extensions of H-type groups  
Università di Torino

1991

#### **Laurea in Matematica**

Schrödinger equation pointwise convergence to initial data - 110/110 e lode  
Università di Genova

### *Academic experience*

2009 - ONGOING

#### **Associate Professor**

Università di Genova

1999 - 2009

#### **Assistant Professor**

Università di Genova

1994 - 1999

#### **Assistant Professor**

Politecnico di Torino

### *Language skills*

#### **English**

Proficient

CPE grade B

### *Research interests*

My research area is harmonic analysis on Lie groups. Roughly speaking, it focuses on two kind of different problems. The first kind of problems is related to functional calculus, multipliers and singular integrals. The second type of problems deals with advanced properties of the Fourier transform, such as characterizations of Fourier transforms of special important classes of functions or distributions.

I explored these problems on many kind of Lie groups. I'm interested in

discoverng which algebraic properties of the group and which geometrical properties of the underlying manifold influence analytical properties.