

Curriculum

Giovanna Citti is full professor at the University of Bologna (UNIBO), codirector of the ISA interdisciplinary international focus group **Neuromathematics and Vision** between UNIBO and EHESS-Paris and member of the scientific committee of the PHD School of Mathematics, UNIBO. From 2006 to 2008 she has been Director of the Master in Mathematics, UNIBO.

Research Project Coordination:

2010-now: PI of **Analysis in Lie Groups and Applications to Perceptual Emergences** (partners UNIBO, EHESS)

2009-now: PI of **CAP – Complex Analysis and PDE mobility**: atlantis **EACEA – FIPSE** mobility project, 7 partners

2006-2008: PI of **GALA Nest EU project Geometric analysis in Lie groups and Applications** (8 partners)

2007-2008: Local coord. of the UNIBO project **Neuromathematics and Visual Cognition**

2004-2006: Local coord. of Alpha -project **Computer vision foundations and applications**

2004-2005: UNIBO project **Geometrical and Numerical analysis for image processing**.

Conferences co-organization

periodic seminar at IHP Paris, 2011-12 and 2012-13

workshop [Representation Theory and Vision](#), Bologna, 2010

conference **Subriemannian geometry and vision**, Bologna, 2009

conference **Geometric Methods in PDE's**., Bologna, 2008

Workshop: **Geometric numerical integration**, Bologna, 2008

International Conference on PDEs and Harmonic Analysis, Beijing, 2007.

Editorial board

Member of the editorial board of the journal AGMS Analysis and Geometry in Metric Spaces, and of the Springer series Lecture Notes in Morphogenesis. Invited editor of two special issues of the Journal Physiol. Paris and a Springer monography on Models of Vision.

Research themes

The main research themes are curvature equation in CR manifolds and Lie groups with a subriemannian metric, Models of visual perception in Lie groups with more than 50 publications on high level journals with referee, as *acta mathematica* (2004). She delivered more than 70 conferences in the last 10 years on these themes. She supervised 12 Master thesis, 6 PhD thesis.