

paola elefante

Department of Mathematics and Statistics • P.O. box 68 • 00014 University of Helsinki • Finland
PHONE +358 (0) 400217654 • **E-MAIL** paola.elefante@helsinki.fi • **WEBSITE** www.paolaelefante.com

PROFILE

Mathematics Ph.D. candidate, Inverse Problems.

I have a lively interest in Inverse Problems and applications. I am now part of a project that connects theoretical models (generalized level set method, Radon transform...) to real life applications, such as dynamic X-ray tomography. I am also a strong supporter of the importance of communication in science and I carry on personal studies on the subject.

EDUCATION

M. Sc. Mathematics

“The Wiener’s criterion for the laplacian and the heat operator”, supervised by Prof. Ermanno Lanconelli.
Graduated 2011 at University of Bologna, Italy.

B. Sc. Mathematics

“Symmetry problems for harmonic maps”, supervised by Prof. Ermanno Lanconelli.
Graduated 2008 at University of Bologna, Italy.

SKILLS

Inverse Problems	Mathematical Analysis	MatLab	
Programming C	Java	Communication skills	Teaching

GRANTS AND SCHOLARSHIPS

01.01.2015-31.12.2016

DOMAST grant (Doctoral School of Mathematics and Statistics).
Ph.D. project: sparse tomography and dynamic X-ray tomography.

01.01.2014-31.12.2014

Finnish Center of Excellence in Inverse Problems.
Completion of Licentiate Thesis, “Transmission eigenvalues and non-scattering energies”, soon-to-be published.
Ph.D. project: dynamic X-ray tomography.

16.02.2013-31.12.2013

Break for maternity leave.

01.01.2012-15.02.2013

SuSaKe, Chinese-German-Finnish trilateral project.
Working on Licentiate Thesis.

01.11.2011-31.12.2011

Finnish Center of Excellence in Inverse Problems.
Working on Licentiate Thesis

08.2010-05.2011

Erasmus scholarship, 9 months at University of Helsinki.

09.2005-08.2006

Collegio Superiore, University of Bologna.
Scholarship for promising students.

TEACHING

Fall semester 2014

Teaching assistant to Johdatus MatLabin käyttöön (Introduction to MatLab).

August 2014

Attendant to Effective small group teaching course.

Spring 2014

Attendant to Conference presentation course.

2009

Coordinator of the Mathematics Project at Mirabilandia Spa, Italy.

2007-2009

Tutor at the Physics Project at Mirabilandia Spa, Italy.

SYNERGETIC ACTIVITIES

2014-present

Organizer of the conference Meeting for Young Mathematicians in Finland.

2014-present

Organizer of the Students Seminar.

2014-present

President of Italialaisten yhdistys Suomessa.

2012-present

Help in organizing several activities at University of Helsinki (conferences, meetings).

LANGUAGE SKILLS

2013

Suomi B1.

2010

TOEFL certificate.

Cambridge Certificate of Advanced English.