

paola elefante

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PROFILE

Mathematics Ph.D. candidate, Inverse Problems.

I am a mathematician with a programming background and a drive for innovation and technology. I love to think analytically, challenge myself to learn new things, and engage new problems. I am a strong communicator and a team player.

SKILLS

Mathematical Modelling | **MatLab** | **CAD** | **Statistics** | **R**
Program design | **C** | **Java** | **Communication skills** | **Public speaking**

EDUCATION

2011- Licentiate Mathematics

University of Helsinki, Finland. Thesis under final evaluation.

2011, M. Sc. Mathematics

University of Bologna, Italy, and University of Helsinki, Finland.
Graduated with full honors.

2008, B. Sc. Mathematics

University of Bologna, Italy.
Graduated with full honors.

Communication courses

Being able to present your ideas clearly and to interact with colleagues with a different background is fundamental to be part of a successful workteam. Some selected courses:

- How to sell your ideas as a researcher (2014, Langdons Ltd),
- Framing: creating powerful political messages (2015, DelftX University),
- Making Science and Engineering Pictures (2015, MITx University),

WORK

EXPERIENCE

1.11.2011-present

Completion of Licentiate Thesis, "Transmission eigenvalues and non-scattering energies", now under final evaluation.

Ph.D. project: sparse and dynamic X-ray tomography.

Research grants: Finnish Center of Excellence in Inverse Problems.

SuSaKe, Chinese-German-Finnish trilateral project.

DOMAST grant (Doctoral School of Mathematics and Statistics).

AWARDS

09.2005-08.2006

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

SYNERGETIC ACTIVITIES

The following activities allowed me to build solid local and international networks. I have learned to keep contacts, to lobby and to interact with people who have different background or objectives.

2015-present

Finland's National Coordinator for European Women in Mathematics.

2014-present

Chair, promoter and organizer of the Students' Seminar (HY).

2014-2015

Organizer of the conference Meeting for Young Mathematicians in Finland (Aalto University).

2014-2015

President of Italialaisten yhdistys Suomessa ry.

Public speaking:

Teaching assistant. Invited guest lectures (University of Helsinki), multiple research international talks. Contributed posts and articles on Matematicamente and Redooc. Since November 2014, I also curate my own professional blog.

Other:

Founder of Kumpula's Women Network and contributor to its blog. Planning and realisation of several well-being and networking events in Kumpulan Kampus. Member of several scientific communities: Finnish Mathematical Society, Society for Industrial and Applied Mathematics, Finnish Inverse Problems Society, etc..

LANGUAGE SKILLS

2015 : Suomi B2.

2010 : TOEFL certificate.

Cambridge Certificate of Advanced English. Full professional proficiency.

Mother tongue: Italian.