

Poggiali Davide



PhD student in Neurosciences graduated in Mathematics (equivalent to Master's Degree), keen on numerical applications of biomedical and industrial kind, works well side by side with people of different formation.

Preferred fields: Neuroimaging, R&D, Programming, IT.

Studies

- 01/2014 - PhD student in Neurosciences, involved in Multiple Sclerosis research group. Currently studying RM and PET/RM post-processing techniques
- 04/2013 - 11/2013 Brief grant for studying Numerical Methods in Medical Imaging at the Mathematical Department of Padova.
- 01/2010 - 10/2012 Student at the "Università degli Studi di Padova". Master's Degree in Mathematics. Title of the thesis: "**Reconstruction of medical images from Radon data in transmission and emission tomography**".
Supervisor: prof. De Marchi.
Co-supervisor: dott. Cecchin (Medical dep. of Padua). Final note: 102/110.
- 10/2006 - 12/2009 Student at the "Università degli Studi di Firenze". Bachelors degree in Mathematics. Title of the thesis: "**Il Modello Lotka-Volterra**".
Supervisor: prof. Villari. Final note: 98/110.
- 2001 - 2006 Senior high school specializing in science education, "Liceo scientifico" - ISS E. Balducci, Pontassieve (Florence).

Work

- 07/2005 Barman at the holiday house "Teresa Martin" in S.Vigilio di Marebbe (BZ).
- 10-15/12/2012 Doorman in via Scrovegni 1/3, Padova.

Skills

Languages	- Italian: Mother-tongue. - English: Good. - French: Good.
Numerical Analysis	advanced numerical skills, in particular in error analysis, kernel methods, finite elements methods. Good knowledge of System Theory and regularization methods.
Applied mathematics	machine learning techniques (with scikit-learn) and statistical analysis (with R).
Neuroimaging	good experience of Freesurfer, FSL, ANTs, mipav, and Python packages for numerical imaging.
Math. software	- Matlab/Octave/Scilab, L^AT_EX, Python: Advanced - R, Julia, bash: Intermediate - C/C++, html/css: Beginner
O.S.	Linux, Windows, Mac OS X.
Other software	Microsoft Office, [Libre,Open]Office
Certificates	Certified Scilab Professional, ECDL

Conferences

09/2015	DRWA15, <i>Alba di Canazei TN</i> . Participant
10/2014	CAE14, <i>Pacengo del Garda VE</i> . Speaker (abstract)
09/2014	DRWA14, <i>Alba di Canazei TN</i> . Participant
10/2013	CAE13, <i>Pacengo del Garda VE</i> . Speaker (Scilab Session), poster session
09/2013	DRWA13, <i>Alba di Canazei TN</i> . Poster session
06/2013	SIAM GS13, <i>Padova PD</i> . Participant
10/2012	CAE12, <i>Pacengo del Garda VE</i> . Participant

Publicazioni et alter

09/2015	Cosupervisor of Master Degree thesis in Mathematics. Title: <i>Medical Image Registration for motion dection and correction</i> , Passarini Ada. Relator: Prof. S. De Marchi.
07/2015	A. Favaretto, A. Lazzarotto, D. Poggiali, G. Rolma, F. Causin, F. Rinaldi, P. Perini, P. Gallo, <i>MRI-detectable cortical lesions in the cerebellum and their clinical relevance in multiple sclerosis</i> , Multiple Sclerosis
05/2015	A. Favaretto, D. Poggiali, A. Lazzarotto, G. Rolma, F. Causin, P. Gallo, <i>The Parallel Analysis of Phase Sensitive Inversion Recovery (PSIR) and Double Inversion Recovery</i>

(DIR) Images Significantly Improves the Detection of Cortical Lesions in Multiple Sclerosis (MS) since Clinical Onset, PLoS ONE

- 08/2014 D. Cecchin, D. Poggiali, L. Riccardi, P. Turco, F. Bui, S. De Marchi, *Analytical and experimental FWHM of a gamma camera: theoretical and practical issues*, PeerJ.
- 12/2013 S. De Marchi, D. Poggiali, *Exercises of Numerical Calculus With Solutions in Matlab/Octave*, Edizioni LaDotta. textbook.
- 03/2013 Cosupervisor of a 3-years degree thesis. Title: *Confronto tra i metodi ART e SIRT per la ricostruzione di immagini tomografiche*, Nalin Giulia. Relator: Prof. S. De Marchi.

Extra

- 2014 - Advisor for [Overleaf](#), an online L^AT_EX editor and compiler.
- 17/11/2012 Teacher for a 6-hours course of L^AT_EX for the project [g2gformation](#)
- 2010 - 2012 Volunteer attendant at a soup kitchen in Padua.

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003 (agreement according to Italian law for personal data management).

For the **most updated version** just click: pog.altervista.org/cv_poggiali_eng.pdf

Padua, January 14, 2017