Paola Console

PhD in Mathematics
Born in Taranto (Italy) on May, 31st 1983
Italian citizienship

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PROFESSIONAL EXPERIENCES

2013 - now	**Neuroimaging Laboratory, Santa Lucia Foundation, Rome (Italy)** **Postdoctoral fellow** – Multivoxel pattern analysis and tractography for a spatial orienting in complex audiovisual environments experiment in healthy and pathological population.
2009 - 2013	**University of Geneva, Section of Mathematics, Geneva (Switzerland)** **Teaching assistant** – Organization and evaluation of exercises sessions for bachelor and master courses.
2008	**ST Microelectronics, Lecce (Italy)** **Trainee** – Positioning problems in wireless sensors networks.

Science divulgation

2009 - 2013	**Café des Maths** – Animation of sessions of mathematical divulgation for high school students in Switzerland and France.
2010	**Night of Science** – Animation of the math department stand.

Conferences

2013	**Swiss Numerics Colloquium**, contributed talk, Lausanne (Switzerland)
2013	**SDIDE2013 conference**, contributed talk, Pamplona (Spain)
2012	**ICCAM 2012 conference**, contributed talk, Ghent (Belgium)
2012	**Swiss Numerics Colloquium**, contributed talk, Bern (Switzerland)
2011	**Geometric Numerical Integration**, Oberwolfach (Germany)
2010	**Swiss Numerics Colloquium**, poster presentation, Zurich (Switzerland)

EDUCATION

2013	University of Geneva, Geneva (Switzerland), **PhD in Mathematics**, *mention très bien* Thesis : *Symmetric Multistep Methods for Hamiltonian Systems on Manifolds* Advisor : prof. Ernst Hairer

2009	University of Salento, Lecce (Italy), **Master Degree in Mathematics**, *final mark 110/110 cum laude* Thesis : *Transport of particles in 2D incompressible fluid flow : a numerical study* Advisors : prof. Anna Maria Cherubini and prof. Francesco Paparella
2005	University of Lecce, Lecce (Italy), **Bachelor Degree in Mathematics**, *final mark 110/110 cum laude* Thesis : *L'equazione delle onde (The wave equation)* Advisor : Prof. Michele Carriero
2001	Liceo Scientifico "G. Battaglini", Taranto (Italy), **Maturità scientifica (High Schoold Diploma)**, *final mark 100/100*

Other education experiences

2014	Workshop : **XVth Tractography Workshop**, University of La Laguna, Tenerife, Canary Islands (Spain)
2013	Workshop : **Introductory Course on Medical Imaging**, Santa Lucia Foundation, Rome (Italy)
2013	Summer School : **Geometric Integration of Ordinary and Partial Differential Equations**, Dobbiaco (Italy)
2011	CIME Summer School : **Current Challenges in Stability Issues for Numerical Differential Equations**, contributed talk, Cetraro (Italy)
2010	Workshop : **Geometric Numerical Integration**, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach (Germany)

LANGUAGES SKILLS

▷ **Italian :**   Native

▷ **English :**   Fluent

▷ **French :**   Fluent

COMPUTER SKILLS

▷ **OS :** Windows, Linux, MacOSX.

▷ **Languages :** Python, Fortran, Matlab, Maple, notions of Java and C.

▷ **Tools :** all the usual Office packages, LATEX, SPM, GeoGebra.

PUBLICATIONS

▷ P. Console and E. Hairer, *Reducing round-off errors in symmetric multistep methods.*
 Journal of Computational and Applied Mathematics, 262, 217 – 222, 2014.

▷ P. Console, E. Hairer, C. Lubich. *Symmetric multistep methods for constrained Hamiltonian systems.*
 Numerische Mathematik, 124(3) :517 – 539, 2013.

▷ P. Console and E. Hairer. *Long-term stability of symmetric partitioned linear multistep methods*, <br> volume 2082 of Lecture Notes in Mathematics. Springer- Verlag, Berlin, 2013.