



# CV PIERFRANCESCO MOSCHETTA

07/05/1990

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## EDUCATION

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11/2016 - Pres.	<b>Ph.D in Numerical Analysis - Sapienza University</b> Applied mathematical modelling, numerical methods. Tutor and Advisor: prof. Corrado Mascia.	Rome, Italy
12/2012 - 12/2015	<b>M.Sc. in Applied Mathematics - Sapienza University</b> <b>Final grade:</b> 110/110 <i>summa cum laude</i> . Thesis in Numerical Analysis titled: "The Burridge-Knopoff model: analysis and simulation of seismic phenomena". Supervisor: prof. Corrado Mascia.	Rome, Italy
09/2009 - 12/2012	<b>B.Sc. in Mathematics - Sapienza University</b> <b>Final grade:</b> 110/110 <i>summa cum laude</i> . Thesis in Physics titled: "The Poisson-Dirichlet problem in spherical symmetry". Supervisor: prof. Sergio Caprara.	Rome, Italy
09/2004 - 07/2009	<b>High school degree</b> – Scientific degree, PNI. <b>Final grade:</b> 100/100 <i>summa cum laude</i> .	Lanciano (Ch), Italy

## RESEARCH ACTIVITY

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<b>Preprint</b>	<b>Title:</b> "Assessment of Predictor-Corrector strategy for the Burridge-Knopoff model". <b>Subjects:</b> Numerical Analysis, Computational Physics. A Predictor-Corrector strategy is employed for the numerical simulation of the one-dimensional Burridge-Knopoff model of earthquakes.	
<b>Conferences</b>	"Scilab Conference 2018" – Mozilla Paris "COMSOL Conference - Lausanne" – SwissTech Convention Center "SIMAI 2018" – Sapienza University "Where are the biological sciences going?" – Pontifical Urban University	11/2018 10/2018 07/2018 10/2017
<b>Schools</b>	CIME-EMS Summer School in Applied Mathematics: "The Mathematics of Mechanobiology" – Cetraro (CS) "3rd SYSBIO.IT School on Systems Biology" – IASI-CNR Roma	08/2018 05/2018
<b>Courses</b>	"Advanced Graphics For Scientific Data" – Roma Tre University "Introduction to Parallel Computing with MPI and OpenMP" – CINECA "Introduction to modern Fortran" – CINECA	02/2018 06/2016 03/2016
<b>Teaching Activity</b>	<b>Tutor of the course: "Computer Science and Programming" – Mathematics Degree</b> – Sapienza University	AY 2017-2018
<b>Seminars -Speaker-</b>	"Simulation study the Gatenby-Gawlinks model for tumour growth" – Sapienza University "Fathoming the Gatenby-Gawlinks model" – SIMAI 2018 "The Burridge-Knopoff model: analysis and simulation of phenomena" – Sapienza University	01/2019 07/2018 12/2015

## SKILLS

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<b>Languages</b>	Italian (mother tongue), English (fluent).	
<b>Programming languages and software</b>	Matlab Fortran C, C++ Paraview	COMSOL FreeFem MySql

## ADDITIONAL INFORMATION

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<b>Awards</b>	Winner of the Competition: "Gran Sasso-Princeton Physics Summer School 2008". Prize for the best Geometry problem at "Olimpiadi della Matematica 2006".	Princeton, USA Chieti, Italy
<b>Hobby</b>	Play the piano, play chess, reading and mountain hiking.	