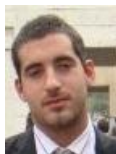


Europass Curriculum Vitae



Personal information

Surname(s) / First name(s)	Gallana Luca
Address(es)	via Ivrea 1/D, 13881 Cavaglià (BI) - Italy
Telephone(s)	0161/966431 Mobile: 3316217108
Email(s)	gallana.luca@gmail.com
Nationality(-ies)	Italian
Date of birth	03/03/1987
Gender	Male

Work and teaching experience

Dates	Oct-Jun, 2012/2013
Occupation or position held	Researcher
Main activities and responsibilities	Code development and profiling
Reference project	Technical assessment of MPI code, development and comparison of hybrid OpenMP/MPI code for solution of the Navier-Stokes equations. (Class C ISCRA project HP10CKRIG3, PI: Silvio Di Savino)
Dates	May-Apr, 2012/13
Occupation or position held	Researcher
Main activities and responsibilities	Physical model construction, code writing, simulation performing and data analysis
Reference project	Fluid turbulence: self and passive scalar diffusion. Application to stably stratified and magnetically sheared flows. (Prace project RA0773, PI: Daniela Tordella)
Dates	Sep-Mar, 2011/12
Occupation or position held	Exercises writer
Reference course	Aircraft structures, Master course in Aerospace engineering, Politecnico di Torino
Dates	Sep-Mar, 2011/12
Occupation or position held	Laboratory assistant
Reference course	Design of Aerospace Vehicles, Master course in Aerospace engineering, Politecnico di Torino
Dates	Mar-Jun, 2009
Occupation or position held	Laboratory assistant
Reference course	Physics I, Bachelor course in Industrial engineering, Politecnico di Torino

Dates
Occupation or position held
Main activities and responsibilities
Name and address of employer

Jun-Jul, 2005
Stage in system management
Internal assistance, networks installation
Banca Sella S.p.A. IT department, via Milano 1, Biella - Italy

Education and training

Dates
Title of qualification expected
Research field
Principal subjects/Occupational skills covered
Name and type of organization providing education and training

2013-present
PhD in Fluid Dynamics
Turbulent flows
Computational fluid dynamics, turbulence and turbulent transport, statistical analysis, scientific visualization
Politecnico di Torino

Dates
Title of qualification awarded
Mark
Thesis
Principal subjects/Occupational skills covered
Name and type of organization providing education and training

2009-2012
Master degree in aerospace engineering
106/110
High resolution numerical simulation of the turbulent transport of a passive scalar by using a new pencil parallelization method suitable for massive parallelized machines. Advisors: Prof. D.Tordella, Ing. M.Iovieno
Computational fluid dynamics, turbulence and turbulent transport, aerodynamics, structural design and analysis, aircraft design
Politecnico di Torino

Dates
Title of qualification awarded
Mark
Thesis
Name and type of organization providing education and training

2006-2009
Bachelor degree in aerospace engineering
98/110
Linear analysis on temporal evolution of erodible dunes under a constant shear flow. Advisors: Prof. R.Arina, Ing. M.Iovieno
Politecnico di Torino

Date
Title of qualification awarded
Mark
Name and type of organization providing education and training

2006
Secondary school diploma - scientific certificate
90/100
I.T.I.S. Q.Sella, Biella

Mother tongue(s)
Other language(s)

Italian
English, Spanish

*Self-assessment
European level^(*)*

English
Spanish

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	B2
B1	B2	B1	B1	B1

^(*) Common European Framework of Reference (CEF) level

Certificate

English: Sep,15 2007 IELTS 5.5 (European level B2)

School participations

<i>Sep, 2012</i>	21st Summer School of Parallel Computing c/o Cineca, Bologna
<i>May, 2005</i>	Olimpiadi di Matematica, XXI National edition - menzione d'onore
<i>Jul, 2004</i>	Curso de espanol nivel B2 c/o Universidad Autònoma de Barcelona
<i>Sep, 2003</i>	VI Incontro con la matematica, Pavia
<i>Jul, 2003</i>	Curso de espanol nivel B1 c/o Universidad Autònoma de Barcelona
<i>May, 2003</i>	Olimpiadi di Matematica, XIX National edition - medaglia di bronzo

Organisational/Social skills and competences

- Ability to teamwork
- Responsibility in managing its own workload
- Attention to details
- Experience in project management achieved during the master thesis writing
- Ability to look for alternative solutions

Computer skills and competences

Operating system

Windows - Excellent
Linux - Good

Programming languages

Fortran90-95 - Excellent
Matlab - Excellen
C++ - Fair
Basic - Fair

Office suite

Word processing - Excellent
Electronic spreadsheet - Excellent
Database - Good

Software

L^AT_EX- Excellent
Inkscape - Good
Visit - Good
Tecplot - Good
Catia - Fair
Nastran - Fair

HPC architecture used

C.A.S.P.E.R. (Politecnico di Torino)
BlueGene/Q, BlueGene/P, SP6 (Cineca, Bologna)
Curie Thin/Fat Nodes (TGCC, Paris)