

# ANDREA BORTOLOSSI

## curriculum vitae



### Personal information

Born in BORDIGHERA(IM), ITALIA, 26/06/1989  
Permanent Address: VIA ROSSINI 14 - 18033 CAMPOROSSO(IM)  
Mobile nr. : +393400588474  
Email: andrea.bortolossi89@gmail.com  
Citizenship: ITALIANA

### Education

25/7/2014,

MASTER OF SCIENCE DEGREE IN MATHEMATICAL ENGINEERING at POLITECNICO DI MILANO

Thesis: 3D Finite Element Drift-Diffusion Simulation Semiconductor Devices  
Mark 108/110

27/09/2011,

BACHELOR OF SCIENCE DEGREE IN MATHEMATICAL ENGINEERING at POLITECNICO DI MILANO

Thesis: Produzione dei circuiti integrati - Analisi delle equazioni alla diffusione  
Mark 107/110

2008,

Diploma: Technical/Vocational at ISTITUTO DI ISTRUZIONE SUPERIORE GALILEO GALILEI (IMPERIA - ITALIA) Mark 100L/100

### Work experience

October 2014 – January 2015

IBM Global Technology Services, Segrate (MI) – ITALIA

Sector: IT outsourcing services.

Description: I worked in the GTS-SO division and over this internship I learned the basis of cloud computing, with special focus on the IaaS. The training included also an overview of CAMSS (Cloud Analytics Mobile Social Security) and soft-skill courses.

September 2013 - July 2014

Micron Technology, AGRATE BRIANZA (MB) - ITALIA

Sector: Semiconductors.

Description: I developed part of a software which involves the solution of multiple coupled equations oriented to the simulation of electronic devices. More precisely I worked on semiconductor device simulations.

### Main skills

Primary: Numerical Simulation, Finite Element Analysis, Cloud Computing.

Secondary: Semiconductor Devices, Inferential Statistics.

### Computer skills

Primary: C++, Cmake, GitHub, Matlab, FreeFem++, Paraview, Latex, Office package.

Secondary: Gmsh, Qt creator, Synopsys tools (SDEVICE, SNMESH), Eclipse.

### Language skills

BRITISH ENGLISH  
2011 TOEIC C1

## Publications

Aletti, M.; Bortolossi, A.; Perotto, S.; Veneziani, A.,  
*One-dimensional surrogate models for advection-diffusion problems*

Published on 31 October 2014

Springer Serie: Lecture Notes in Computational Science and Engineering  
Title of Book: Numerical Mathematics and Advanced Applications – ENUMATH 2013  
Editors: Assyr Abdulle, Simone Deparis, Daniel Kressner, Fabio Nobile, Marco Picasso

Available at [http://link.springer.com/chapter/10.1007/978-3-319-10705-9\\_44](http://link.springer.com/chapter/10.1007/978-3-319-10705-9_44)

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Mauri, A.; Bortolossi, A.; Novielli, G.; Sacco, R.,  
*2D Finite element modeling of current densities in semiconductor transport with impact ionization*

Submitted on 11 December 2014

Available at <http://arxiv.org/abs/1412.3691>

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## Personal interests

From 6 to 16 I participated at dance competitions (standard, latin-american and ballroom). I played water polo for 6 years at R.N. IMPERIA and for two years I was the captain of the water polo R.N. BORDIGHERA team.

Since 2011 I practice karate and I do kumite fighting. I tried and still practice many other sports like snowboard, windsurf and skating.

Besides sports I like play board games and read comics. I like also draw my own comics, characters and invent new stories.

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