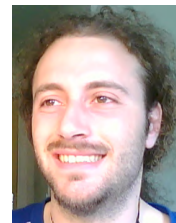


Europass Curriculum Vitae

Personal information



Surname / First name **SCHIAVONE Giuseppe**

Permanent Address Via Francesco Cervelli 15
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Nationality Italian

Date of birth 17 August 1985

Gender Male

Publications

April 2011 "Characterisation of Electroplated NiFe Films using Test Structures and Wafer Mapped Measurements", J. Murray, G. Schiavone, S. Smith, J. Terry, A.R. Mount, A.J. Walton, 24th International Conference on Microelectronic Test Structures proceedings, Amsterdam, 4th – 7th April 2011

March 2010 "Analytical Study of a Magnetophoretic Microdevice as a Potential Enrichment Step in the Isolation of Nucleated Red Blood Cells from Maternal Blood", G. Schiavone, D. M. Kavanagh and M. P. Y. Desmulliez, International Review of Chemical Engineering (I.RE.CH.E.), Vol. 2, n. 2, March 2010.

October 2009 "Design and Simulation of a Microscale Magnetophoretic Device for the Separation of Nucleated Fetal Red Blood Cells from Maternal Blood", G. Schiavone, D. M. Kavanagh and M. P. Y. Desmulliez, third annual European COMSOL Multiphysics conference proceedings, Milan, 14th – 16th October 2009.

Education and training

2010 onwards Joint PhD position at Scottish Microelectronics Centre (SMC), King's Building, the University of Edinburgh and MicroSystems Engineering Centre (MISEC), Earl Mountbatten Building, Heriot-Watt University, Edinburgh, Scotland, UK. Research activity on magnetic MEMS for IC integration applications.



2007 – 2009 MEng Hons in Micro and Nano Technologies for ICT held by Politecnico di Torino – Turin, Italy, INPG – Grenoble, France and EPFL – Lausanne, Switzerland. Graduation on 11th September 2009 with 110/110 cum laude final score.



Topics: micro and nano electronics, MEMS design, technological processes and simulations. All formation was english based.

www.master-nanotech.com

September 2009 MSc 2 EEATS, spécialité Micro et nano électronique, Université Joseph Fourier, Grenoble, France, 15,94 / 20 final score.

www.ujf-grenoble.fr/PDMEEA8_480/0/fiche_formation/

September 2008	Winner of the “Premio OPTIME 2007/2008” prize as one of the best 2007 graduates. “Club Optime” membership offered by “Unione industriale di Torino”.
2004 – 2007	BEng Hons in Physical Engineering in <i>Politecnico di Torino – Turin, Italy</i> . Graduation on 27 th July 2007 with 110/110 cum laude final score. Final thesis on “ <i>Development and Characterization of low density DNA microarrays</i> ”. Main topics: quantum mechanics principles and applications, applied physics technologies, electronics and informatics.
July 2004	Training on “ <i>Modern Physics Labs</i> ” in <i>Univeristà Cattolica Sacro Cuore – Brescia (BS), Italy</i> . Seminars on basic modern physics principles and experimental evidences.
1999 – 2004	High School Scientific Lyceum diploma in <i>Liceo Scientifico Galileo Galilei – Bitonto (BA), Italy</i> , with 100/100 final mark. Formation both in humanistic and scientific fields.

Internships

February 2009 – July 2009	Internship at <i>MicroSystems Engineering Centre (MISEC), School of Engineering and Physical Sciences, Heriot – Watt University, Edinburgh, UK</i> on “ <i>Design and Simulation of a Microscale Magnetophoretic Device for the Separation of Nucleated Fetal Red Blood Cells from Maternal Blood</i> ”.
July 2008 – September 2008	Internship at <i>Laboratoire Matériaux et Phénomènes Quantiques, Université Paris 7 – Diderot, Paris, France</i> on “ <i>Low temperature STM topography and spectroscopy measurements on Nitrogen atoms doped Carbon Nanotubes</i> ”.
March 2007 – July 2007	Internship at <i>Biodiversity S.R.L. – Brescia (BS), Italy</i> on the “ <i>Development and Characterization of low density DNA microarrays</i> ”. New polymeric materials employed to build prototype microarrays. Evaluation of efficiency, technological processes and materials.

Personal competences

Mother tongue Italian

Other languages

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient	C2	Proficient
French	C1	Proficient	C2	Proficient	C1	Proficient	C2	Proficient	C2	Proficient
Spanish	C1	Proficient	C2	Proficient	B2	Independent	B2	Independent	C1	Proficient
(*) Common European Framework of Reference for Languages										

English certifications:

ESOL P.E.T. certificate – Pass with Merit (March 2005)

Trinity College – Level 9 equivalent to level B2 (March 2002)

French certifications:

Niveau B1 orale et écrit, Alliance Française (June 2008)

Technical skills and competences	Deep knowledge of <i>COMSOL Multiphysics</i> , <i>Coventorware</i> and <i>ANSYS</i> Finite Element Analysis software and <i>Cadence Virtuoso</i> tools. <i>VHDL</i> , <i>C</i> , <i>Java</i> , <i>Matlab</i> , <i>SciLab</i> and <i>LabView</i> , <i>ATHENA</i> , <i>ATLAS</i> and <i>HTML</i> as learnt in university courses. <i>AppleScript</i> basics. Very confident with office production software and browsing (<i>ECDL</i> license 2002). Confident with cleanroom processing and characterisation equipment (electroplating, deposition, RIE, lithography, vapour etching, wet etching, XRF, AFM, STM, SEM etc.).
Social and Organizational skills and competences	Several experiences of team works in international equips. Been in charge of the organization of an <i>Integration Project</i> , an integration event for the international students in <i>Grenoble, France</i> .
Artistic skills and other competences	Piano lessons attended for 6 years, guitar played for 10 years with several band experiences, including concerts all over Italy. Been a voluntary album reviewer for an Italian music webzine. Playing in an orchestra mainly for fundraising charity events.
Driving licence	B driving license.

24 November 2010