



Personal information

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Nationality	Italian
Date of birth	07/07/83
Gender	Male
Current Position	PhD student, "PhD school in Nano and Physical Sciences" Università degli Studi di Modena e Reggio Emilia, Modena - Italy
Website	http://www.nanomodelling.unimore.it/online/Home/People/articolo7028.html

Education and training

PhD

Dates	01/01/2010 - today
Position held	PHD Student
Activities	PHD School in NANO- AND PHYSICAL SCIENCES (University of Modena and Reggio Emilia) in cotutelle with ECOLE DOCTORALE in PHYSIQUE POLYTECHNIQUE (Ecole Polytechnique Paris)
Name and type of organisation providing education and training	Università degli studi di Modena e Reggio Emilia Viale dell' Università', 4 Modena - ITALY Ecole Polytechnique Route de Saclay, 91128 Palaiseau Cedex - FRANCE
Department	PHYSICS (Modena), Laboratoire des Solides Irradiés (Paris)
PHD title	NANO- AND PHYSICAL SCIENCES PHYSIQUE POLYTECHNIQUE

Master Degree

Dates	April 2006 - 17 th April 2009
Title of qualification awarded	Master Degree in PHYSICS
Final mark	110/110 cum Laude
Title of thesis	Ab-initio Calculation of Absorption and Dielectric Constant in quantum confined layers of Si/H and Si/SiO ₂
Name and type of organisation providing education and training	Università degli studi di Modena e Reggio Emilia Viale dell' Università', 4 - MODENA

Bachelor's Degree

Dates	September 2002 - 31 st March 2006
Title of qualification awarded	Bachelor's Degree in PHYSICS
Final mark	110/110 cum Laude
Title of thesis	Study of the oxidation of Al 001 surface with ab-initio methods
Name and type of organisation providing education and training	Università degli studi di Modena e Reggio Emilia Viale dell' Università', 4 - MODENA

High School

Dates	September 1997 - June 2002
Title of qualification awarded	High School Diploma
Final mark	100/100
Name and type of organisation providing education and training	Liceo Scientifico Statale "Aldo Moro", Reggio Emilia, Italy

Visiting Stay

ETSF - San Sebastian

Dates	June - July 2009
Position held	Scientific collaboration with Dott.ssa Letizia Chiodo
Activities	Research activities and training at the European Theoretical Spectroscopy Facility (ETSF) research group of San Sebastian (Spain) led by prof. Angel Rubio.
Name and type of organisation providing education and training	ETSF group - Departamento de Fisica de Materiales - Universidad del Pais Vasco - San Sebastian - (Spain) Scholarship of the "Camera di Commercio di Reggio Emilia" and the "Dipartimento di Scienze dell'Ingegneria" of the "Università degli studi di Modena e Reggio Emilia"

Work Experience

GW lectures

Dates	22-25 November 2010
Position held	trainee
Name and type of organisation providing education and training	European Theoretical Spectroscopy Facility (ETSF), Louvain la Neuve (Belgium)
Activities	Lectures on Manybody Perturbation Theory, holded by M. Martin Stankovski

19th Summer School of Parallel Computing (CINECA)

Dates	July 2010
Position held	trainee
Name and type of organisation providing education and training	Consorzio Interuniversitario Nord-Est di Calcolo Avanzato (CINECA) Casalecchio di Reno (BO), Italy
Activities	Stage at the CINECA centre. Training on optimization and parallel computing (high performance computing), computational Physics

Training at CINECA

Dates	May- August 2005
Position held	trainee
Name and type of organisation providing education and training	Consorzio Interuniversitario Nord-Est di Calcolo Avanzato (CINECA) Casalecchio di Reno (BO), Italy
Activities	Stage at the CINECA centre to perform the project of thesis. Training on computational Physics.

Conferences and Workshops

ETSF workshop 2010 (Berlin)

Dates	12-15 October 2010
Contribution	Oral contribution "The optical properties of Si/CaF ₂ multi-quantum wells: role of size and interface configuration"

Turkish Italian workshop (Istanbul)

Dates	8-10 December 2010
Contribution	Oral contribution "The optical properties of Si/CaF ₂ multi-quantum wells: role of size and interface configuration"

Teaching Experience

University	
Dates	March - June 2010
Position held	Assistant Lecturer on "General Physics II" for Physicians
Name and type of organisation providing education and training	Department of Physics University of Modena and Reggio Emilia, Dept. Physics - via Campi 213/A 41125 Modena, Italy
High School	
Dates	February - March 2005
Position held	Teacher of Mathematics and Physics for high school courses to adult people
Name and type of organisation providing education and training	School "Studia&Lavora", Via Cremona 2946100 Mantova, Italy

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

English, German

Self-assessment

Understanding

Speaking

Writing

European level (*)

Listening

Reading

Spoken
interaction

Spoken
production

English

C1 Advanced level C1 Advanced level B2 Intermediate level B2 Intermediate level B2 Intermediate level

German

B2 Intermediate level B2 Intermediate level B1 Intermediate level B1 Intermediate level B1 Intermediate level

(*) [Common European Framework of Reference for Languages](#)

Computer skills and competences

Good knowledge of the Office programs (Word, Excel, Power Point) and similar (Open-Office...)
Good knowledge of scientific programming in Fortran 90 language and optimization of the code (skills developed during my university studies and my stage at CINECA)
Good knowledge of Latex
Knowledge and use of Windows, Linux and Machintosh operating systems
Data analysis

Social skills and competences

Adaptable to multi-cultural environment (developed during my experience in San Sebastian and Paris)
Team spirit (developed in my university courses)
Educational skills (educational courses)

Awards

12/18/10

Menzione nel Premio "P. Angelo Secchi"
Gruppo di studio "Christifideles Laici" di Reggio Emilia
Centro Giovanni XXIII, Uffici via Prevostura 4, 42100 Reggio Emilia - Italy

2009

Scholarship of the "Camera di Commercio di Reggio Emilia" and the "Dipartimento di Scienze dell'Ingegneria" of the "Università degli studi di Modena e Reggio Emilia" for scientific experience abroad.

Universidad del Pais Vasco - San Sebastian (Spain)

2010

Scholarship of the "Camera di Commercio di Reggio Emilia" and the "Dipartimento di Scienze dell'Ingegneria" of the "Università degli studi di Modena e Reggio Emilia" for scientific experience abroad.

Ecole Polytechnique - Palaiseau (France)