CURRICULUM VITAE ET STUDIORUM

Federico Grasselli

**PERSONAL INFORMATION**

* Name: Federico Grasselli
* Date of Birth (yyyy/mm/dd): 1989/09/15
* Place of Birth: Reggio Emilia (RE), Italy
* Fiscal Code: GRSFRC89P15H223V
* Home Address: Via E. Torricelli n. 27/1, Reggio Emilia (RE), Italy
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**EDUCATION**

* 2008 - Maturità scientifica (High School Diploma) (100/100 *cum laude*), Liceo Classico-Scientifico "Ariosto-Spallanzani", Reggio Emilia.
* 2011 - Laurea degree (B.S.) in Physics (110/110 *cum laude*), Università degli Studi di Modena e Reggio Emilia. Field of study: Condensed Matter Physics (Supervisor: Prof. G. Rossi)
* 2013 - Laurea Magistrale degree (M.S.) in Physics (110/110 *cum laude*), Università degli Studi di Modena e Reggio Emilia. Field of study: Condensed Matter Physics (Supervisor: Prof. G. Goldoni)
* From 2014: PhD Student with National grant, School of Graduate Studies in Physics and Nanosciences, UniMoRe (Supervisor: Prof. G. Goldoni)

**AWARDS**

* Winner of the High-School grant "A. Iona" Liceo Classico-Scientifico "Ariosto-Spallanzani" for reaching the highest evaluation in Mathematics, Physics and Natural Sciences (A.S. 2007-08).
* Winner of the National fellowship for obtaining the Diploma "*cum laude*" (2008).
* Winner (concerning the Academic Years: 2008-09, 2009-10, 2010-11, 2011-12) of the fellowship "Fondo Sostegno Giovani" (50% refund of University fees for the students who gained merit and honors in Chemistry, Physics, and Mathematics Laurea courses).
* Winner for academic merit, (Academic Years: 2008-09, 2009-10, 2010-11) of the fellowship "Premio di Studio" granted by the University of Modena and Reggio Emilia.

**SCIENTIFIC PROJECTS, CONFERENCES AND SCHOOLS**

* Poster session in the "International Conference on Physics of Light-Matter Coupling in Nanostuctures (PLMCN)", Montpellier (FR), June 9-13, 2014
* Short oral presentation and poster session during the International School on Physics of Indirect Excitons, "Ettore Majorana" Foundation and Centre for Scientific Culture, Erice (IT), July 26-August 1, 2014
* Poster session in the "Winter School on the Physics of Indirect Excitons", Les Houches (FR), March 16-20, 2015
* Seminar: “Time-Dependent Quantum Dynamics of 2D Spatially Indirect Excitons”, at

UCSD Physics Department, San Diego, California (USA), on June 12, 2015.

**TEACHING ACTIVITY**

* 2013 and 2014: Exercise sessions for the Laurea course "Termodinamica Statistica" (Statistical Thermodynamics) (Prof. G. Goldoni, UniMoRe)
* 2013 and 2014: Training lectures for the Physics Olympiads - Local (Regional), National (Italian) and International Stages

**LANGUAGE SKILLS**

* Italian (mother language), English (full working proficiency), Latin, Spanish (basics).

**COMPUTATIONAL SKILLS**

* Operating systems: Windows, Linux
* Programming languages: Fortran, Mathematica, Matlab, Basic, TurboPascal, Bash (Unix Shell).
* Parallel programming: MPI, OpenMP
* Markup languages: LaTeX

**PUBLICATIONS**

**- Physics**

* 15th International Conference on Physics of Light-Matter Coupling in Nanostuctures, Montpellier (FR), June 9-13, 2014. Abstract publication on the conference book of abstracts. Title: “*Time-dependent quantum dynamics of 1D indirect excitons*”

Authors: Federico Grasselli, Andrea Bertoni and Guido Goldoni

* International School on Physics of Indirect Excitons, "Ettore Majorana" Foundation and Centre for Scientific Culture, Erice (IT), July 26-August 1, 2014, Marie Curie ITN INDEX Summer School - 66th Course on Solid State Physics. Abstract publication on the conference book of abstracts. Title: “*Time-Dependent Quantum Dynamics of 1D Spatially Indirect Excitons*”

Authors: Federico Grasselli, Andrea Bertoni and Guido Goldoni

* Federico Grasselli, Andrea Bertoni, and Guido Goldoni, “*Space- and time-dependent quantum dynamics of spatially indirect excitons in semiconductor heterostructures*”, J. Chem. Phys. , Vol. 142, p. 034701 (2015)
* "Winter School on the Physics of Indirect Excitons", Les Houches (FR), March 16-20, 2015.

Abstract publication on the conference book of abstracts.

Title: “*Space- and time-dependent quantum dynamics of spatially indirect excitons in semiconductor heterostructures*”

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**- Musicology and Early Music**

* Federico Grasselli, “Ipotesi di ricostruzione degli automatismi del nuovo organo a Pratolino (1766)”, Informazione Organistica (Italian Journal of Organology), Vol. 32 (2012)