

# CURRICULUM VITÆ

## Personal data

*Name* PD Dr. Andrea Donarini  
*Date of birth* 14 June 1977  
*Place of birth* Treviglio (Italy)  
*Citizenship* Italian  
*Family status* Married. Two children.



## Contacts

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## Education

### Habilitation **15 January 2014**

*Thesis* Transport through complex interacting nanojunctions;  
*Mentors* Prof. M. Grifoni, Prof. K. Richter and Prof. A.-P. Jauho;  
*Institute* Universität Regensburg.

### Ph.D. in Physics **27 October 2004**

*Thesis* Dynamics of Shuttle Devices;  
*Grade* Full grades;  
*Supervisors* Prof. Antti-Pekka Jauho and Dr. Tomáš Novotný;  
*Institute* Danmark Tekniske Universitet (DTU).

### Degree in Physics **21 March 2001**

*Thesis* Fisica delle nanostrutture a doppio strato  
(Physics of double-layer nanostructures);  
*Grade* Full grades and distinction (110/110 summa cum laude);  
*Supervisors* Prof. Ruggero Ferrari and Dr. Luca Molinari;  
*Institute* Università degli Studi di Milano.

### Maturità classica **25 July 1996**

*Grade* Full grades (60/60);  
*Institute* Istituto Salesiano di Treviglio.

## Work experience

### Scientific appointments

- Mar 2016 - present* Assistant Professor (staff member) at the University of Regensburg (UR);
- Oct 2014 - Feb 2016* Senior Researcher at UR;
- Apr 2013 - Sep 2014* Substitute Professor at UR;
- 2010 - 2014* Habilitand at UR;
- 2006 - 2013* Research Assistant in the group of Prof. Milena Grifoni at UR;
- 2004 - 2006* Post-doc in the Theoretical Physics Department of UR in the research group of Prof. Milena Grifoni.

### Organized Conference

- 18 - 20 Apr 2017* Many Paths to interference:  
a journey between quantum dots and single molecule junctions  
Scientific organization in collaboration with Dr. Linda A. Zotti
- Host institution* Max Planck Institute for the Physics of Complex Systems,  
Dresden (Germany)

### Research visits

- 2011: Sep-Oct* Donostia International Physics Center in the group of Prof. P. Echenique.  
Donostia-San Sebastián (Spain).
- 2003: Oct-Dec* Manchester Institute of Science and Technology in the group of Prof. T. Brandes.  
Manchester (United Kingdom).

### Administration

- Oct 2017 - present* Faculty representative in the Directive Committee for the University Sport Center.
- Apr 2016 - Mar 2018* Frauenbeauftragter for the Faculty of Physics.
- Oct 2015 - Sep 2017* Member of the PhD committee (Promotionskommission) for the Faculty of Physics.

## Supervision<sup>1</sup>

### Ph.D.

- M. Niklas* *Current and noise properties of interacting nanojunctions* – 2015 - 2018;  
*B. Siegert* *Transport properties of metal phthalocyanine STM junctions* – 2011-2015;  
*S. Pfaller* *Transport properties of nanodevices with superconducting elements* – 2011-2015;  
*D. Darau* *Symmetry and electronic properties of conjugated molecules* – ongoing;  
*A. Yar* *Electron-vibron effects in interacting quantum dot systems* – 2009-2012;  
*S. Sobczyk* *STM transport theory for  $\pi$ -conjugated molecules on thin insulating films* – 2009-2012;  
*G. Begemann* *Quantum interference phenomena in transport through molecules and multiple quantum dots* – 2006-2009.

### M.Sc.

- M. Frankerl* *Modelling of THz-STM in single molecule junctions* – ongoing  
*C. Rohrmeier* *Fingerprints of interference in cotunnelling dominated transport* – ongoing  
*R. Kozłowsky* *Vibronic effects in the transport characteristics of STM single molecule junctions* – 2014-2015

### Diploma

- B. Siegert* *Transport through metal phthalocyanine molecular bridges* – 2010-2011;  
*S. Pfaller* *Transport through quantum dot devices with superconducting leads* – 2010-2011;  
*F. Krämer* *Linear combination of molecular orbitals* – 2009-2010;  
*R. Hornberger* *Spin transport through coupled quantum dots* – 2006-2007;  
*G. Begemann* *Interaction phenomena in benzene rings* – 2005-2006.

### B.Sc.

- S. Condussio* *Coulomb Blockade effects in semiconductive islands* – 2014-2015.

<sup>1</sup>According to German law, the official supervisor for the diploma works and dissertations prior to January 2014 is Prof. Milena Grifoni. The scientific supervision belongs always to my assignment.

## Teaching

### Lectures

ST 18	Density Matrix Theory;
WT 17/18	Applications of Group Theory to the Condensed Matter Physics;
ST 17	Quantum Theory of Condensed Matter;
ST 16	Applications of Group Theory to the Condensed Matter Physics;
ST 14	Applications of Group Theory to the Condensed Matter Physics;
WT 13/14	Density Matrix Theory;
ST 13	Applications of Group Theory to the Condensed Matter Physics;
WT 09/10	Quantum Theory of Condensed Matter II: Mesoscopic Physics.

### Tutorials

WT 17/18	Applications of Group Theory to the Condensed Matter Physics;
ST 17	Quantum Theory of Condensed Matter;
WT 16/17	Mathematical Methods for Physicists;
WT 16/17	Integrated Course II for élite students: Statistical and Solid State Physics;
ST 16	Applications of Group Theory to the Condensed Matter Physics;
WT 15/16	Quantum Theory of Condensed Matter II: Mesoscopic Physics;
WT 14/15	Quantum Theory of Condensed Matter II: Mesoscopic Physics;
ST 14	Applications of Group Theory to the Condensed Matter Physics;
WT 13/14	Density Matrix Theory;
ST 13	Applications of Group Theory to the Condensed Matter Physics;
WT 12/13	Integrated Course II for élite students: Statistical and Solid State Physics ;
ST 12	Statistical Physics;
WT 11/12	Waves and Quanta;
ST 11	Density Matrix Theory II;
WT 10/11	Density Matrix Theory;
ST 10	Quantum Theory of Condensed Matter I;
ST 09	Quantum Theory of Condensed Matter I;
WT 08/09	Quantum Mechanics II;
ST 08	Quantum Theory of Condensed Matter I;
WT 07/08	Quantum Mechanics II;
ST 07	Quantum Theory of Condensed Matter I;
WT 06/07	Mechanics;
ST 06	Quantum Theory of Condensed Matter I;
WT 05/06	Waves and Quanta;
ST 05	Thermodynamics;
WT 04/05	Mechanics.

## Funding

<b>CRC 1277/I</b>	<b>Emergent relativistic effects in condensed matter</b>
<i>Role</i>	Principal investigator
<i>Project</i>	Spin-orbit induced dynamics in driven molecular systems
<i>Period</i>	Third funding phase (2017-2021)
<i>Funding</i>	1 PhD student
<b>SFB 689/III</b>	<b>Spin phenomena in reduced dimensions</b>
<i>Role</i>	Principal investigator
<i>Project</i>	Spin-dependent transport through individual molecules
<i>Period</i>	First funding phase (2014-2017)
<i>Funding</i>	1 PhD student
<b>SFB 689/II</b>	<b>Spin phenomena in reduced dimensions</b>
<i>Role</i>	Principal investigator
<i>Project</i>	Spin-dependent transport through single molecules
<i>Period</i>	Second funding phase (2010-2013)
<i>Funding</i>	1 PhD student
<b>SPP 1243/3</b>	<b>Quantum transport at the molecular scale</b>
<i>Role</i>	Principal investigator
<i>Project</i>	Vibration effects, intramolecular interference and switching in interacting molecular junctions
<i>Period</i>	Third funding phase (2010-2012)
<i>Funding</i>	1 PhD student

## Talks

- ◇ Popular science talk at the University of Crema, Crema (Italy), 23 March 2018 - **[invited]**: *Vedere è sapere: immagini e suggestioni dal nanomondo*;
- ◇ 82<sup>nd</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 11-16 March 2018: *Dark states in a carbon nanotube quantum dot*;
- 2018** ◇ 82<sup>nd</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 11-16 March 2018: *Apparent reversal of molecular orbitals reveals entanglement*;
- 2017** ◇ Nano-Seminar at the Department of Condensed Matter Physics of the University of Prague - Prague (Czech Republic), 12 October 2017 - **[invited]**: *Apparent reversal of molecular orbitals reveals entanglement*;
- ◇ Workshop of the SFB 689 "Spinphenomena in reduced dimensions" and CRC 1277 "Emergent relativistic effects in condensed matter"- Frauenchiemsee (Germany), 4-6 October 2017: *Time-dependent dynamics in molecular junctions*;
- ◇ 81<sup>st</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 19-24 March 2017: *Fano stability diagram of a symmetric triple quantum dot*;
- ◇ International Workshop "Quantum-Classical Transition in Many-Body Systems" - Dresden (Germany), 12-17 February 2017 - **[invited]**: *Many-body interference in interacting nanojunctions*;
- 2016** ◇ Condensed Matter Theory Group Seminar - Regensburg (Germany), 23 November 2016: *Modelling vibrations in STM single molecule junctions: a step beyond the Anderson-Holstein paradigm*;
- ◇ Workshop of the SFB 689 "Spinphenomena in reduced dimensions" - Neumarkt (Germany), 04-06 October 2016: *Apparent reversal of molecular orbitals reveals entanglement*;
- ◇ International workshop: "Towards Reality in Modelling of Molecular Electronics" - Donostia (Spain), 13-17 June 2016 - **[invited]**: *Many-body correlations in STM single molecule junctions*;
- ◇ 80<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Regensburg (Germany), 6-11 March 2016: *Spin-orbit coupling and many-body correlations in STM transport through Cu-phthalocyanine*;
- ◇ Seminar at the Donostia International Physics Center - Donostia (Spain), 29 February 2016 - **[invited]**: *Many-body correlations in a Cu-phthalocyanine STM single molecule junction*;
- 2015** ◇ Workshop of the SFB 689 "Spinphenomena in reduced dimensions" - Frauenchiemsee (Germany), 5-7 October 2015: *Non-equilibrium spin-crossover in Cu-Phthalocyanine*;
- ◇ 79th Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 15-20 March 2015: *Charge fluctuation effects in superconductor-quantum dot hybrid systems*;
- ◇ 79th Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 15-20 March 2015: *Thermally induced subgap features in the cotunneling spectroscopy of a carbon nanotube*;
- 2014** ◇ Workshop of the research training school "Carbon Based Nanostructures" - Schönsee (Germany) 26 September 2014: *Scanning probe microscopy of graphene with a CO terminated tip*;

**Talks  
(continues)**

- ◇ Condensed Matter Theory Group Seminar - Regensburg (Germany) 7 May 2014: *Scanning probe microscopy of graphene with a CO terminated tip*;
- ◇ 78<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 31 March - 4 April 2014: *Fingerprints of thermal quasiparticle excitations in CNT-superconductor hybrid junctions*;
- ◇ 78<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 31 March - 4 April 2014: *Multi-orbital STM theory for  $\pi$ -conjugated molecules on thin insulating films* ;
- ◇ 78<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 31 March - 4 April 2014: *Fixing the energy scale in Scanning Tunnelling Microscopy on semiconductor surfaces*;
- ◇ Physikalisches Kolloquium, in the framework of the Habilitation process - Regensburg (Germany), 10 February 2014 - **[invited]**: *Transport through complex interacting nanojunctions*;
- 2013**
  - ◇ Tutorial in the framework of the Research Training program GRK 1570 - Regensburg (Germany), 19 July 2013 - **[invited]**: *Coulomb blockade and single electron tunnelling*;
  - ◇ Seminar in the research group of Prof. J. Repp - Regensburg (Germany), 3 July 2013 - **[invited]**: *Shallow Acceptors in GaAs: Experiment and Theory* - in collaboration with G. Muennich;
  - ◇ Seminar within the Graduate School of Nanoscience: "Talk nano!" - Regensburg (Germany), 7 May 2013 - **[invited]**: *Interference: From quantum mechanics to nanotechnology*;
  - ◇ International conference "ImagineNano 2013" - Bilbao (Spain), 22-26 April 2013: *Topographical fingerprints of many-body interference blocking in STM junctions on thin insulating films*;
  - ◇ Seminar within the "International Max Planck Research School" - Dresden (Germany), 17 April 2013 - **[invited]**: *STM on thin insulating films: A density matrix approach*;
  - ◇ International workshop: "Building blocks for carbon-based electronics: From molecules to nanotubes" - Regensburg (Germany), 10-12 April 2013 - **[invited]**: *Many-body interference in STM single molecule junctions on thin insulating films*;
  - ◇ 77<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Regensburg (Germany), 10-15 March 2013: *Thermal quasiparticle spectroscopy of a carbon nanotube quantum dot coupled to superconducting leads: part II, theory*;
  - ◇ 77<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Regensburg (Germany), 10-15 March 2013: *STM theory for  $\pi$ -conjugated molecules on thin insulating films*;
  - ◇ CECAM international workshop "Molecular electronics: Quo vadis?" - Bremen (Germany), 4-8 March 2013 **[invited]**: *Theory of STM junctions for  $\pi$ -conjugated molecules on thin insulating films*;
- 2012**
  - ◇ International conference "Fuerzas y Tunel 2012" - San Lorenzo de El Escorial (Spain), 12-14 September 2012: *Topographical fingerprints of many-body interference blocking in STM junctions on thin insulating films*;
  - ◇ International Conference "Nanoscience and Technology 2012" - Paris (France), 23-27 July 2012: *Spectrum and Franck-Condon factors of interacting SWCNTs*;

**Talks  
(continues)**

- ◇ Seminar in the research group of Prof. G. Platero, Instituto de Ciencia de Materiales, Madrid (Spain), 25 April 2012 - **[invited]**: *Spectrum and Franck-Condon factors of interacting SWCNTs*;
- ◇ Capri Spring School “Transport in Nanostructures 2012”, Capri (Italy), 15-22 April 2012: *Transport through multiple quantum dots coupled to superconducting leads*;
- ◇ 76<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 25-30 March 2012: *Coulomb blockade in molecular junctions with intermediate coupling to the leads*;
- ◇ 76<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 25-30 March 2012: *STM transport theory for  $\pi$ -conjugated molecules on thin insulating films*;
- ◇ Group Theory Seminar in the group of Dr. Mads Brandbyge, DTU - Nanotech, Lyngby (Denmark), 5 March 2012 - **[invited]**: *Theory of STM junctions for  $\pi$ -conjugated molecules on thin insulating films*;
- 2011**
  - ◇ International workshop “Carbon-based Spintronics” - Dresden (Germany), 24-28 October 2011: *All-electrical spin control in a benzene interference single electron transistor*;
  - ◇ Seminar in the research group of Prof. P.Echenique at the Donostia International Physics Center - Donostia (Spain), 7 September 2011 - **[invited]**: *Interference blockade in symmetric nano-junctions*;
  - ◇ 75<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 13-18 March 2011: *Negative differential conductance with symmetric set-up?*;
  - ◇ 75<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 13-18 March 2011: *Interference and transport through  $\pi$ -conjugated molecules in an STM set-up*;
  - ◇ Physikalisches Kolloquium, in the framework of the Habilitation process, Regensburg (Germany), 31 January 2011 - **[invited]**: *Interference and interaction in symmetric nanojunctions*;
- 2010**
  - ◇ Workshop of the GRK 1570 “Electronic Properties of Carbon Based Nanostructures”, St. Englmar (Germany), 6 October 2010: *STM theory for  $\pi$ -conjugated molecules on thin insulating films*;
  - ◇ Workshop of the SFB 689 “Spinphenomena in reduced dimensions”, Niederaltaich (Germany), 30 September 2010: *All electrical spin preparation in a triple dot I-SET*;
  - ◇ Seminar in the research group of Prof. J. Repp, University of Regensburg (Germany), 16 June 2010 - **[invited]**: *Interference effects in single molecule junctions (from SET to STM)*;
  - ◇ Seminar in the research group of Prof. G. Platero at the Instituto de Ciencias de Materiales de Madrid (Spain), 9 April 2010 - **[invited]**: *Interference blockade in symmetric nano-junctions*;
  - ◇ 74<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Regensburg, 22-27 March 2010: *Interference spin-blockade in symmetric nano-junctions*;
- 2009**
  - ◇ Seminar in the research group of Prof. Ankerhold at the University of Ulm (Germany), 27 May 2009 - **[invited]**: *Charge and spin transport through Interference Single Electron Transistors*;
  - ◇ 73<sup>rd</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 22-27 March 2009: *Effective spin-orbit coupling in a benzene interference SET*;



**Talks  
(continues)**

- 2008** ◇ 25<sup>th</sup> International Conference on Low Temperature Physics - Amsterdam (Netherlands), 7-13 August 2008: *Interaction and coherence in a benzene SET*;  
◇ Nanoelectronics days 2008 - Aachen (Germany), 13-16 May 2008: *Symmetry fingerprints of a benzene single-electron transistor*;
- 2007** ◇ Seminar in the research group of Prof. Cuniberti at the Technical University of Dresden - Dresden (Germany), 13 December 2007 - **[invited]**: *Fingerprints of symmetry in transport through Anderson molecules*;  
◇ Mid term Meeting of the research group "Quantum transport at the molecular scale" - Bremen (Germany), 24-27 June 2007: *Transport through Anderson molecules*;
- 2006** ◇ 14<sup>th</sup> European Conference on Mathematics for Industry - Leganés Madrid (Spain), 10-14 July 2006 - **[invited]**: *Quantum shuttle: physics of a numerical challenge*;  
◇ Dynamical Phenomena in NEMS and Nano-electronics - Daejeon (Korea) 28-30 June 2006 - **[invited]**: *Dynamical symmetry breaking in transport through molecules*;  
◇ 371. WE-Heraeus-Seminar Quantum Transport at the Molecular Scale - Bad Honnef (Germany), 29 May -1 June, 2006: *Dynamical symmetry breaking in molecular transistors*;  
◇ 70<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 27-31 March 2006: *Electromechanical properties of a biphenyl transistor*;  
◇ Nanoelectronics 2006, Novel Nanomaterials, Quantum Transport, and Noise of Electrons and Photons - Lancaster (England), 8-11 January 2006: *Electromechanical properties of a biphenyl transistor*;
- 2005** ◇ Annual Meeting of the DFG Research School 638 Nonlinearity and Nonequilibrium in Condensed Matter - Windberg (Germany), 27-29 September 2005: *Shuttle devices*;  
◇ 69<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 4-9 March 2005: *Giant super-poissonian Fano factors in shuttle devices*;
- 2004** ◇ 20<sup>th</sup> General Conference of the Condensed Matter Division of the European Physical Society - Prague (Czech Republic), 19-23 July 2004: *Current noise of shuttle devices*;
- 2002** ◇ Norfa Network Meeting - Höör (Sweden), 15-17 September 2002: *Transport through an oscillating quantum dot*.

## Posters

- 2017** ◇ International Conference on Low Temperature Physics - Gothenburg (Sweden), 9-16 August 2017: *Apparent reversal in molecular orbitals reveals entanglement*;
- 2016** ◇ International Winterschool on Electronic Properties of Novel Materials - Kirchberg in Tirol (Austria), 14-19 February 2016: *Non-equilibrium spin-crossover in copper phthalocyanine*;
- 2014** ◇ 78<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 31 March -4 April 2014: *Spin blockade effects in a GaMnAs double quantum dot system*;
- 2013** ◇ International workshop: "Building blocks for carbon-based electronics: From molecules to nanotubes" - Regensburg (Germany), 10-12 April 2013: *Thermal quasi-particle spectroscopy of a carbon nanotube quantum dot coupled to superconducting leads*;
- ◇ International workshop: "Building blocks for carbon-based electronics: From molecules to nanotubes" - Regensburg (Germany), 10-12 April 2013: *Topographical fingerprints of many-body interference in STM junctions on thin insulating films*;
- 2012** ◇ International conference "ElecMol 12" - Grenoble (France), 3-7 December 2012: *Topographical fingerprints of many-body interference in STM junctions on thin insulating films*;
- ◇ International Conference on Nanoscience and Technology - Paris (France), 23-27 July 2012: *Theory of STM junctions for  $\pi$ -conjugated molecules on thin insulating films*;
- ◇ 76<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 25-30 March 2012: *The role of the tip symmetry on the STM topography of  $\pi$ -conjugated molecules*;
- ◇ 76<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 25-30 March 2012: *Vibration induced memory effects in molecular nanojunctions*;
- 2011** ◇ International workshop "Carbon-based spintronics" - Dresden (Germany), 24-28 October 2011: *Interference effects in the Coulomb blockade regime: Current blocking and spin preparation in symmetric nanojunctions*;
- ◇ International Winterschool "Electronic Properties of Novel Materials" - Kirchberg (Austria), 26 February-5 March 2011: *Effects of spin/pseudo-spin degeneracies in the transport properties of suspended SWCNT*;
- 2010** ◇ ElecMol'10: 5<sup>th</sup> International meeting on molecular electronics - Grenoble (France) 06-10 December 2010: *Interference effects in STM single molecule junctions*;
- ◇ JARA-FIT nanoelectronics days 2010 - Aachen (Germany) 04-07 October 2010: *Interference and transport through benzene in an STM set-up*;
- ◇ 74<sup>th</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Regensburg (Germany), 22-27 March 2010: *Interference in transport through single molecules in a STM set-up*;
- ◇ International Conference on Molecular Electronics - Emmetten (Switzerland), 5-9 January 2010: *All-electric spin control in interference SETs*;
- 2009** ◇ International CECAM-Workshop "Quantum Transport on the Molecular Scale" - Bremen (Germany), 14-18 September 2009: *Interference blockade through a terphenyl SET*;
- ◇ 73<sup>rd</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Dresden (Germany), 22-27 March 2009: *Charge transport through an interference SET*;

## Poster (continues)

- ◇ Trends in Nanoscience 2009 - Kloster Irsee (Germany), 28 February - 4 March 2009: *A benzene interference-single electron transistor*;
- 2008**
  - ◇ 72<sup>nd</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Berlin (Germany), 25-29 February 2008: *Excited states in the conductance of a double dot*;
  - ◇ International Workshop on Interaction and Interference in Nanoscopic Transport - Dresden (Germany), 18-23 February 2008: *Fingerprints of symmetry in transport through Anderson molecules*;
- 2007**
  - ◇ 71<sup>st</sup> Annual Meeting of the Deutsche Physikalische Gesellschaft - Regensburg (Germany), 26-30 March 2007: *Charge and spin transport in double quantum dot systems*;
  - ◇ 384. Wilhelm and Else Heraeus Seminar, Nonequilibrium Transport of Strongly Correlated Systems - Bad Honnef (Germany), 31 January-2 February, 2007: *Dynamical symmetry breaking in transport through molecules*;
- 2004**
  - ◇ Frontiers in Quantum and Mesoscopic Thermodynamics - Prague (Czech Republic), 26-29 July 2004: *Current noise in shuttle devices*;
  - ◇ Fundamental Problems in Nanomechanical Systems - Gothenburg (Sweden), 5-7 June 2004: *Current noise in shuttle devices*;
- 2003**
  - ◇ 15<sup>th</sup> International Conference on Electronic Properties of Two-Dimensional Systems - Nara (Japan), 14-18 July 2003: *Shuttle instabilities: Semiclassical phase analysis*;
- 2002**
  - ◇ 26<sup>th</sup> International Conference on the Physics of Semiconductors - Edinburgh (Scotland), 29<sup>th</sup> June-2<sup>nd</sup> July 2002: *Photon-mediated drag in double-layer electron gas*;
  - ◇ Danish Physical Society Annual Meeting - Nyborg (Denmark), 30-31 May 2002: *Photonic Contribution to Coulomb Drag*;
- 2001**
  - ◇ XX Convegno di Fisica Teorica e Struttura della Materia - Fai della Paganella (Italy), 25-28 March 2001: *Contributo fotonico al Coulomb Drag*;
- 2000**
  - ◇ Euroconference on Spin effects in mesoscopic systems - Cortona (Italy), 28 June-2 July 2000.

## Other interests

### Languages

- Italian* Mother tongue;
- English* Fluent in written and oral communication;
- Spanish* Fluent in written and oral communication;
- German* Good communication skills;
- French* Basic knowledge;
- Danish* Basic knowledge.

### Music

I have played the violin for many years at an excellent amateur level. Since October 2013 I sing in the Choir Novacappella Regensburg.