

Curriculum Vitæ of Dario Bercioux

—WORK—

Donostia International Physics Center (DIPC)
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Web-Page: www.dario-bercioux.eu

Research-Id: [A-1767-2009](https://orcid.org/A-1767-2009)

Date of birth: 14.03.1978

Citizenship: Italian

Status: Married with two children

Languages: Italian native, English fluent, German fluent, Spanish fluent.

Passport YA5582847

N.I.E. Y3714889N

MAIN SCIENTIFIC INTERESTS

Spintronics, Graphene & Carbon Nanotubes, Topological Matter, Pseudo-Spin-One Systems, Excitonic Insulators, Mesoscopic superconductivity

SHORT RÉSUMÉ

- [Ikerbasque Research Fellows 2014 \(Tenure Track position\)](#)
- 40 publications in international journals and refereed volumes including
 - 9 Letters (including PRL, APL, EPL, PRB-R)
 - 1 Invited Review Article in Report on Progress in Physics
 - 1 Invited News and Views in Nature Physics
- Editor for a book for Springer
- Guest editor for a special issue of "[New Journal of Physics](#)"
- 810 citations in total, average citations per article 20.77¹
- *h*-index of 17¹
- Tutor or co-tutor for 5 PhD Thesis and 7 Master/Diploma Thesis
- Grants from DFG, IGA (Germany), CRC (China), Mineco & Basque Government (Spain) for a total amount of >**650.000 Euro** since 2010
- Main- or co-organiser of 2 international workshops & 14 international schools of physics
- 48 invited talks: 18 at conferences, 29 at universities and other scientific institutions, 1 lecture set in an international school of physics
- Referees for numerous international journals, including Science, Nature, Nature Physics and Physical Review Letters.

¹Source: Web of Science (June 2018)

RESEARCH POSITIONS

- 10.2014 - 10.2019** **Ikerbasque Research Fellow** at the Donostia International Physics Center in the group of Dr. Sebastian Bergeret (Tenure Track Position)
- 07.2013 - 06.2014** **Postdoctoral Research Position** at the Dahlem Center for Complex Quantum Systems (Germany) in the group of Prof. Dr. Piet Brouwer
- 09.2010 - 07.2013** **Senior Postdoctoral Research Position** at the Freiburg Institute for Advanced Studies, School of Soft Matter Research (Germany) in the group of Prof. Dr. Hermann Grabert
- 09.2008 - 08.2010** **Postdoctoral Research Position** at the Freiburg Institute for Advanced Studies, School of Soft Matter Research (Germany) in the group of Prof. Dr. Michael Thorwart
- 01.2007 - 08.2008** **Postdoctoral Research Position** at the Physikalisches Institut of the University of Freiburg (Germany) in the group of Prof. Dr. Hermann Grabert
- 11.2004 - 12.2006** **Postdoctoral Research Position** at the Institut für Theoretische Physik of the University of Regensburg (Germany) in the group of Prof. Dr. Klaus Richter

EDUCATION

- 04.2017** **Abilitazione Scientifica Nazionale (ASN) as associate professor**
Italian Ministry of Education
- 05.2012** **Privatdozent (equiv. associate professor)**
Physics Institute of the University of Freiburg
- 01.2005** **Dottorato (equiv. Ph.D.)** in Physics at the “Federico II” University of Naples (Italy).
Supervisors: Profs. V. Cataudella and V. M. Ramaglia
Title of the thesis: “Spin dependent transport in nanostructures”
- 10.2001** **Laurea (equiv. M.Sc. resp. *Scientiæ Magister*)** in Physics at the “Federico II” University of Naples (Italy) with degrees 110/110 Summa cum Laude. Supervisor: Prof. Vittorio Cataudella
Title of the thesis: “Studio della formazione di bipolaroni su un reticolo bidimensionale” [Study of the formation of bipolarons in a two-dimensional lattice]
- 07.1996** **Maturità Tecnica (equiv. High Schol Certificate)** at the ITIS “A.Righi” in Naples with final mark 60/60

FURTHER RESEARCH ACTIVITIES

- 10.2016** Guest member of the Centre de Physique Théorique of the Université d’Aix-Marseille in the group of Thierry Martin
- 04.2016** Member of the Theoretical Chemistry and Physics at the Quantum Scale “[QuantumChemPhys](#)” is a Transborder Joint Laboratory (LTC - Laboratoire Transfrontalier Conjoint) between DIPC and University of Bordeaux
- 10.2012** Guest member of the “Geballe Laboratory for Advanced Materials - Stanford University” in the group of Prof. Hari Manoharan

2007 - 2008	Frequent guest in the “Quantum Transport and Information” Group by Prof. Rosario Fazio, Scuola Normale Superiore, Pisa (Italy)
10.2003 - 03.2004	Guest member in the “Quantum Transport and Information” Group by Prof. Rosario Fazio, Scuola Normale Superiore, Pisa (Italy)

FUNDED GRANTS (>650.000 EURO SINCE 2010)

2018 - 2020	Ministerio de Economía y Competividad, “Electronic transport in hybrid structures, low-dimensional materials, superconductors, magnets semiconductors and normal metals”, co-PI together with Sebastian Bergeret, Project: FIS2017-82804-P . Support for travel costs and consumables for a grand total of 60.500 Euro .
2016 - 2019	Departamento de educación, política lingüística, y cultura de Gobierno Vasco, “Spin-Orbit Photonics and Quantum Applications (SOPhoQua)” Project: PI2016-41 together with Aitzol García-Etxarri, Geza Giedke, Juan José Sáenz. Ph.D. Position for 3 years and 10.500 Euro in travel costs and consumable.
2016-2019	Euskampus PhD position from DIPC/University of Bordeaux. PhD grant for 3 years extendable to 4.
2016-2019	Euskampus PhD position from DIPC. PhD grant for 3 years extendable to 4.
2014 - 2018	Ministerio de Economía y Competividad, “Spin transport in hybrid structures: Metals, Superconductors, Graphene and Topological Insulators”, Project FIS2014-55987-P Ph.D. Position for 3 years and 72.600 Euro in travel costs and consumables
2014 - 2019	Ikerbasque Research Fellows Awarded 2014, Tenure Track position by the Ikerbasque Foundations: 180.500 Euro .
2011	International Graduate Academy (IGA) and Hermann Paul School of Language Sciences (HPSL) financial support for the organization of international workshop on “Topological States of Matter”. Support: 10.000 Euro .
2011 - 2015	CSC (China Scholarship Council) Research Grant File No. 201164010 , “Study of Structural Defects in Carbon-Based Nanostructures”. Support: Ph.D. position for 4 years .
2010 - 2013	DFG Research Grant BE 4564/1-1 , “Spin-Effects in Carbon Nanotubes: Investigation of Two- and Three-Terminal Setups”. Support: 3/4 E 13 (circa 55.000 Euro/annually) position for 3 years and 36.000 Euro in consumables.

AWARDS

2016	Research fellowship of the University of Aix-Marseille via excellence initiative
2014 - 2019	Ikerbasque Research Fellows, Ikerbasque foundation of science
1997 - 2001	University of Naples, Italy — EDISU NAPOLI 1 — Student scholarship

RESEARCH-RELATED ACTIVITIES

Referee for:

•Physical Review Letters	•Nano Letters	•Journal of Physics: Condensed Matter
•Physical Review A	•EPL	•Journal of Physics A: Mathematical and Theoretical
•Physical Review B	•Physica B	•European Physical Journal B
•Physical Review E	•Physica E	•Superlattices and Microstructures
•Physical Review X	•Physica Scripta	•Advances in condensed matter physics

- New Journal of Physics
- Nature Physics
- Nanotechnology
- Science
- Science Advances

- Reviewer for the “Nederlandse Organisatie voor Wetenschappelijk Onderzoek” (NWO), 2017.
- Member of the “ESF College of Expert Reviewers” panel (2016-2019).
- Member of the referee panel of the National Research Council of Romania (2012-2013).
- Member of the referee panel of the EMPAPOSTDOCS, EMPA, Switzerland (2013).
- Member of the referee panel of the European Science Foundation (2009-2010).
- Member of Deutsche Physikalische Gesellschaft.
- Guest Editor for the Special Issue of New Journal of Physics on “[Nonequilibrium Fluctuation Relations: From Classical to Quantum](#)” (2013) in collaboration with R. Egger, P. Hänggi and M. Torwart.

CONFERENCE ORGANISATION

2019 Organizer of the “[15th Capri Spring School on transport in nanostructures with special focus on New directions in topological condensed matter physics](#)” (Anacapri Italy)

2018 Organizer of the “[Topological Matter School: Basic to Advanced](#)” #TMS18 (Donostia-San Sebastián Spain)

2018 Organizer of the “[14th Capri Spring School on transport in nanostructures with special focus on New directions in superconducting quantum devices](#)” (Anacapri Italy)

2017 Organizer of the “[Topological Matter School: Basic to Advanced](#)” #TMS17 (Donostia-San Sebastián Spain)

2017 Organizer of the “[13th Capri Spring School on transport in nanostructures with special focus on Solid-state quantum information processing](#)” (Anacapri Italy)

2016 Organizer of the “[Topological Matter School](#)” #TMS16 (Donostia-San Sebastián Spain)

2016 Organizer of the “[12th Capri Spring School on transport in nanostructures with special focus on Driven quantum nanosystems](#)” (Anacapri Italy)

2015 Organizer of the “[11th Capri Spring School on transport in nanostructures with special focus on topological superconductivity](#)” (Anacapri Italy)

2013 Organizer of the “[9th Capri Spring School on transport in nanostructures with special focus on spin transport in low-dimensional systems](#)” (Anacapri Italy)

2012 Organizer of the International Capri Fall Workshop on “[Non-equilibrium processes and fluctuation-dissipation theorems](#)” (Anacapri Italy)

2012 Organizer of the International Workshop on “[Topological States of Matter](#)”, (Freiburg Germany)

2012 Organizer of the “[8th Capri spring school on transport in nanostructures with special focus on superconducting hybrid nanostructures](#)” (Anacapri Italy)

2011 Organizer of the “[7th Capri spring school on transport in nanostructures with special focus on topological insulators](#)” (Anacapri Italy)

2010 Organizer of the “[6th Capri spring school on transport in nanostructures with special focus on quantum entanglement in nanostructures](#)” (Anacapri Italy)

2009 Co-organizer of the “[5th Capri spring school on transport in nanostructures with special focus on non-equilibrium phenomena](#)” (Anacapri Italy)

- 2008 Co-organizer of the "[4th Capri spring school on transport in nanostructures with special focus on graphene and electronic correlations in 1D and 2D materials](#)" (Anacapri Italy)
- 2007 Co-organizer of the "[3rd Capri spring school on transport in nanostructures with special focus on quantum features of nano-devices](#)" (Anacapri Italy)

TEACHING ACTIVITY

- Fall term 2013:** Tutor in the exercise group for "[Advanced quantum mechanics](#)" at the Freie Universität Berlin (Germany).
- Fall term 2011:** Lecture with exercise (6 hours weekly) "[Introduction to Nanoelectronics](#)" at the University of Freiburg (Germany).
- Summer term 2011:** Student seminar "Dirac Fermions in Nanostructures and Topological Quantum Computation" at the University of Freiburg (Germany).
- Fall term 2010:** Lecture with exercise (5 hours weekly) "[Nanoelectronics: theoretical concepts and computational methods](#)" at the University of Freiburg (Germany).
- Summer term 2010:** Student seminar "[Quantendynamik in mesoskopischen Systemen: Auf dem Weg zur Nanoelektronik](#)" at the University of Freiburg (Germany).
- Fall term 2008:** Main tutor in the exercise group for "Theoretical Physics II - Electrodynamics" at the University of Freiburg (Germany).
- Summer term 2008:** Tutor in the exercise group for "Einführung in die Theorie der Nanostrukturen" at the University of Freiburg (Germany).
- Fall term 2007:** Tutor in the exercise group for "Theoretical Physics I - Introduction to Mechanics" at the University of Freiburg (Germany).
- Fall term 2006:** Tutor in the exercise group for "Theoretical Physics IV - Quantum Mechanics II" at the University of Regensburg (Germany).
- Summer term 2006:** Tutor in the exercise group for "Theoretical Physics III - Quantum Mechanics" at the University of Regensburg (Germany).
- Fall term 2005:** Tutor in the exercise group for "Theoretical Physics IV - Waves and Quanta" at the University of Regensburg (Germany).
- Summer term 2005:** Tutor in the exercise group for "Theoretical Physics I - Mechanics" at the University of Regensburg (Germany).
- Fall term 2004:** Tutor in the exercise group for "Theoretical Physics II - Electrodynamics" at the University of Regensburg (Germany).
- Fall term 2003:** Main tutor in the exercise group for "Electrodynamics" at the University of Naples (Italy).
- Fall term 2002:** Main tutor in the exercise group for "Electrodynamics" at the University of Naples (Italy).

CO-TUTOR FOR GRADUATE & UNDERGRADUATE STUDENTS

Co-Tutor for undergraduate thesis

- Dipl. Phys. Andreas Pfund (Diploma 2005), University of Regensburg
- Dipl. Phys. Matthias Scheid (Diploma 2006), University of Regensburg
- Dipl. Phys. Manuel Strehl (Diploma 2007), University of Regensburg
- Dipl. Phys. Michael Schulze (Diploma 2012), University of Freiburg
- Dipl. Phys. Linnéa Schätzle, (Diploma 2013), University of Freiburg

- M. Sc. Andreas Inhofer, (Master 2013), University of Freiburg
- M. Sc. Ehud Amitai (Master 2014), Freie Universität Berlin
- Mr. Miguel Ángel Jiménez Herrera (running master thesis), University of Basque Country
- Mr. Alberto Hijano (running master thesis), University of Basque Country

Co-tutor for graduate thesis

- Dr. Sergey Smirnov (graduate 2009), University of Regensburg
- Dr. Matthias Scheid (graduate 2010), University of Regensburg
- Dr. Lucia Lenz (graduate 2013), University of Freiburg
- M.Sc. Bogusz Bujnowski (running graduate thesis), University of Basque Country & University of Bordeaux
- M.Sc. Maria Blanco de Paz (running graduate thesis), University of Basque Country

LIST OF INVITED TALKS AT UNIVERSITIES, RESEARCH CENTRES & CONFERENCES

Date	University/Research Center, Place. "Title"
09.2018	"Excitonic insulator: New perspectives in long-range interacting systems", Lausanne (Switzerland). "Transport properties of excitonic insulator/superconductor hybrid junction"
01.2018	"X edition of GEFES meeting", Valencia (Spain). "Transport properties of electron-hole bilayer/superconductor hybrid junction"
12.2017	"XIIIth Rencontres du Vietnam Vietnam school of Physics 2017: Nanophysics ", ICISE – Quy Nhon (Vietnam) — invited lecturer . "Introduction to the physics of graphene and other 2D materials"
08.2017	"Nanophysics, from fundamental to applications: reloaded", Quy Nhon (Vietnam). "Transport properties of an excitonic condensate-superconductor hybrid junction".
04.2017	University of Napoli, Physics Department (Italy). "Solitons in a quasi-one dimensional chain with a flat band".
03.2017	University of Basque Country, Physics Department (Spain). "Solitons in a quasi-one dimensional chain with spin one".
03.2017	Imperial College London (United Kingdom) — invited talk for a Lecturer position . "Integer pseudo-spin lattices".
02.2017	City, University of London (United Kingdom). "Solitons in a quasi-one dimensional chain with spin one".
03.2016	"NanoSpain 2016", Logroño (Spain). "Mode splitting in zigzag carbon nanotubes".
08.2015	"Workshop MANA - DIPC. "Nanostructures and Complex Functional Materials", Donostia-San Sebastián (Spain). "Scattering Properties of Defected Carbon-Nanotubes"
07.2015	New Trends in Topological Insulators 2015, Donostia-San Sebastián (Spain). "Spin Particle Source (SpPS)"
05.2015	University of Würzburg (Germany). "Driven Topological Insulator Quantum Dot: quantized spin-source"
02.2015	University of Braunschweig (Germany). "Driven Topological Insulator Quantum Dot: quantized spin-source"
10.2014	Nanotechnology International Conference (TNT2014), Barcelona (Spain). "Pseudo-spin-dependent scattering in carbon nanotubes"

06.2014	Universität Hamburg (Germany). "Driven Topological Insulator Quantum Dot: quantised spin-source"
01.2014	Fraunhofer-IWM, Freiburg (Germany). "Spintronics: a personal overview"
01.2014	Donostia International Physics Center (DIPC). Donostia-San Sebastián (Spain). "Quantum transport in defected carbon-nanotubes"
09.2013	"European Material Research Society (eMRS2013) Fall Meeting", Warsaw University of Technology (Poland). "Spin-Resolved Transport Properties of Inhomogeneous Graphene Nanostructures"
04.2013	"Federico II" University of Naples (Italy). "Flat bands in quasi-one-dimensional and two-dimensional lattices"
03.2013	International workshop on "Flat Bands: Design, Topology and Correlations (Flat2013)", MPI - PKS Dresden (Germany). "Flat bands in quasi-one-dimensional and two-dimensional lattices"
02.2013	University of Freiburg (Germany) — inaugural lecture "Tight-Binding Models: An Inspiring Journey"
04.2012	"Graphene Conference 2012", Brussels (Belgium). "Spin-Resolved Transport Properties of Inhomogeneous Graphene Nanostructures"
03.2012	7th Annual IEEE International Conference on "Nano/Micro Engineered and Molecular Systems", Kyoto (Japan). "Quantum transport in defected carbon-nanotubes"
01.2012	University of Aachen (Germany). "Transport Properties of Dirac-Weyl Electron in Inhomogeneous Spin-Orbit Structure in Graphene"
10.2011	International workshop on "Carbon-based Spintronics", Dresden (Germany). "Pseudo-spin-dependent scattering in carbon nanotubes"
08.2011	University of Freiburg (Germany). "Quantum transport in defected carbon-nanotubes"
04.2011	University of Salerno (Italy). "Quantum transport in carbon-based materials"
10.2010	International workshop on "Quantum coherence and correlations in condensed-matter and cold-atom systems", Evorà (Portugal). "Topology-induced phase transitions in quantum spin-Hall lattices"
10.2010	International workshop on "Emerging Trends in Advanced Correlated Materials", Capri (Italy). "Topology-induced phase transitions in quantum spin-Hall lattices"
05.2010	University of Basel (Switzerland). "Electron tunneling into a quantum wire in the Fabry-Pérot regime"
02.2010	University of Freiburg (Germany). "Massless electrons in a T_3 lattice"
01.2010	University of Augsburg (Germany). "Spin dependent phenomena in graphene"
12.2009	University of Heidelberg (Germany). "Spin dependent phenomena in graphene"
12.2009	ICFO Barcelona (Spain). "Massless electrons in a T_3 lattice"

09.2009	"Federico II" University of Naples (Italy). "Electron scattering in intra-tube quantum-dots"
06.2009	Max-Planck Institute for Solid State Physics, Stuttgart (Germany). "Electron scattering in intra-tube quantum-dots"
05.2009	University of Regensburg (Germany). "Electron tunneling into a quantum wire in the Fabry-Pérot regime"
04.2009	University of Düsseldorf (Germany). "Massless electrons in a T_3 lattice"
04.2009	"5th Capri Spring School on Transport in Nanostructures with special focus on non-equilibrium phenomena", Anacapri (Italy). "Electron tunneling into a quantum wire in the Fabry-Pérot regime"
08.2007	EMPA, Thun (Switzerland). "Electron tunneling into a quantum wire in the Fabry-Pérot regime"
04.2007	"Federico II" University of Naples (Italy). "Spin current in mesoscopic conductors"
09.2006	Workshop of "Graduiertenkolleg 638 - Research School Nonlinearity and Non-equilibrium in Condensed Matter", Windberg (Germany). "Spin current in mesoscopic conductors"
07.2006	University of Freiburg (Germany). "Spin-quantum rectifier"
04.2006	"Federico II" University of Naples (Italy). "Spin-quantum rectifier"
03.2006	"2nd Capri Spring School on Transport in Nanostructures with special focus on quantum noise", Anacapri (Italy). "Spin-quantum rectifier"
06.2004	Scuola Normale Superiore di Pisa (Italy). "Rashba effect in quantum networks"
09.2004	Conference on "New Concepts and Materials for Molecular Electronics and Nanotechnology", Poznan (Poland). "Rashba effect in quantum networks"
06.2004	University of Regensburg (Germany). "Rashba effect in quantum networks"
04.2004	INFM School, April 2004, Fai della Paganella (Italy). "Rashba effect in quantum networks"

CONFERENCES & WORKSHOPS

Date	Name of event, Place.
09.2018	"Excitonic insulator: New perspectives in long-range interacting systems", Lausanne (Swiss).
08.2018	"Topological Matter School", Donostia-San Sebastián (Spain)
07.2018	"International Conference on Superlattices, Nanostructures and Nanodevices", Madrid (Spain)
07.2018	"Quantum Designer Physics (QDP2018)", Donostia-San Sebastián (Spain)
03.2018	Spring Meeting of the "Condensed Matter Division of the DPG", Berlin (Germany)

- 01.2018** "X edition of GEFES meeting", Valencia (Spain).
- 12.2017** "XIIIth Rencontres du Vietnam Vietnam school of Physics 2017: Nanophysics ", ICISE – Quy Nhon (Vietnam).
- 08.2017** "Topological Matter School", Donostia-San Sebastián (Spain)
- 08.2017** "Nanophysics, from fundamental to applications: reloaded", Quy Nhon (Vietnam)
- 04.2017** "13th Capri Spring School on transport in nanostructures with special focus on driven quantum systems", Anacapri (Italy)
- 03.2017** Spring Meeting of the "Condensed Matter Division of the DPG", Dresden (Germany)
- 09.2016** "Topological States of Matter", Donostia-San Sebastián (Spain)
- 08.2016** "Topological Matter School", Donostia-San Sebastián (Spain)
- 07.2016** "Interfacial Spintronics and spin waves", Donostia-San Sebastián (Spain)
- 07.2016** "Nanotechnology meets quantum information", Donostia-San Sebastián (Spain)
- 04.2016** "12th Capri Spring School on transport in nanostructures with special focus on driven quantum systems", Anacapri (Italy)
- 03.2016** "NanoSpain 2016", Logroño (Spain)
- 03.2016** Spring Meeting of the "Condensed Matter Division of the DPG", Regensburg (Germany)
- 08.2015** "Workshop MANA - DIPIC. "Nanostructures and Complex Functional Materials", Donostia-San Sebastián (Spain)
- 07.2015** "FRIAS Workshop Quantum Dissipation", Freiburg (Germany)
- 07.2015** "Interaction effects in graphene and related materials", Donostia-San Sebastián (Spain)
- 07.2015** "New Trends in Topological Insulators 2015", Donostia-San Sebastián (Spain)
- 04.2015** "11th Capri Spring School on transport in nanostructures with special focus on topological superconductivity", Anacapri, 12-19 April 2015 (Italy)
- 10.2014** "Topological and Dirac matter: from modeling to imaging", Bordeaux, 12-14 November 2014 (France)
- 10.2014** "Nanotechnology International Conference" (TNT2014), 27-31 October 2014, Barcelona (Spain)
- 05.2014** "New frontiers for Majorana fermions from condensed to dark matter", 5-6 May 2014, INFN Frascati National Laboratories (Italy)
- 09.2013** "European Material Research Society (eMRS2013) Fall Meeting", Warsaw University of Technology (Poland)
- 04.2013** "9th Capri Spring School on Transport in Nanostructures 2013", Capri (Italy)
- 03.2013** Spring Meeting of the "Condensed Matter Division of the DPG", Regensburg (Germany)
- 03.2013** International focus workshop on "Flat Bands: Design, Topology, and Correlations", MPI-PKS, Dresden (Germany)

09.2012	International Workshop on “Non-equilibrium processes and fluctuation-dissipation theorems”, Capri (Italy)
04.2012	“8th Capri Spring School on Transport in Nanostructures 2012”, Capri (Italy)
04.2012	“Graphene Conference 2012”, Brussels (Belgium)
03.2012	Workshop on “Topological states of Matter”, Freiburg (Germany)
03.2012	“7th Annual IEEE International Conference on Nano/Micro Engineered and Molecular Systems”, Kyoto (Japan)
10.2011	The Lavoisier Discussions workshops “Graphene-based hybrid structures”, Mulhouse (France)
10.2011	International Workshop on “Carbon-based Spintronics”, MPI-PKS, Dresden (Germany)
09.2011	International Workshop on “Quantum Spintronics II”, Porto Ottiolu, Sardinia (Italy)
08.2011	International Workshop on “Quantum phenomena in graphene, other low-dimensional materials, and optical lattices”, Erice (Italy)
04.2011	“7th Capri Spring School on Transport in Nanostructures 2011”, Capri (Italy)
10.2010	FRIAS-ICAM Exploratory Workshop on “Nontrivial Quantum Effects in Biomolecular Systems”, Capri (Italy)
10.2010	Workshop on “Quantum coherence and correlations in condensed-matter and cold-atom systems”, Évora (Portugal)
10.2010	Workshop on “Emerging Trends in Advanced Correlated Materials”, Capri (Italy)
08.2010	6th International Conference on the “Physics and Applications of Spin Related Phenomena in Semiconductors”, Tokyo (Japan)
05.2010	3rd Black Forest Focus on Soft Matter on “Frontiers in Dynamics - from Random to Quantum Walks”, Breisach (Germany)
04.2010	“6th Capri Spring School on Transport in Nanostructures 2010”, Capri (Italy)
03.2010	Spring Meeting of the “Condensed Matter Division of the DPG”, Regensburg (Germany)
03.2010	Spring Meeting of the “Atomic Physics Division of the DPG”, Hannover (Germany)
01.2010	International Conference on “Molecular Electronics”, Emmeten (Swiss)
08.2009	2nd Black Forest Focus on Soft Matter on “Quantum efficiency”, Titisee (Germany)
04.2009	“5th Capri Spring School on Transport in Nanostructures 2009”, Capri (Italy)
03.2009	Spring Meeting of the “Condensed Matter Division of the DPG”, Dresden (Germany)
11.2008	Workshop on “Correlations and coherence in quantum matter”, Évora (Portugal)
06.2008	1st FoNE Conference, Taormina (Italy)
04.2008	“4th Capri Spring School on Transport in Nanostructures 2008”, Capri (Italy)

- 12.2007** Workshop on “Quantum transport, magnetic nano-devices, and spintronics”, Napoli (Italy)
- 05.2007** International Conference on “Nanospintronics Design and Realization ICNDR 2007”, Dresden (Germany)
- 04.2007** “3rd Capri Spring School on Transport in Nanostructures 2007”, Capri (Italy)
- 09.2006** Graduiertenkolleg meeting “Research School Nonlinearity and Nonequilibrium in Condensed Matter”, Windberg (Germany)
- 08.2006** Workshop on “Dynamics and Relaxation in Complex Quantum and Classical Systems and Nanostructures”, Dresden (Germany)
- 04.2006** “2nd Capri Spring School on Transport in Nanostructures 2006”, Capri (Italy)
- 03.2006** Spring Meeting of the “Condensed Matter Division of the DPG”, Dresden (Germany)
- 09.2005** Workshop on “Spin-Dependent Transport through Nanostructures – Spintronics ’05”, Poznan (Poland)
- 04.2005** Spring Meeting of the “Condensed Matter Division of the DPG”, Berlin (Germany)
- 10.2004** Workshop on “Spintronics: Spin Injection, Transport, and Manipulation”, Bochum (Germany)
- 09.2004** Conference on “New Concepts and Materials for Molecular Electronics and Nanotechnology (CMME ’04)”, Puszczykowo, Poznan (Poland)
- 07.2004** Workshop on “Controlling decoherence”, Bad Honnef (Germany)
- 05.2004** XXIII Convegno di “Fisica Teorica e Struttura della Materia”, Fai della Paganella (Italy)
- 03.2004** Spring Meeting of the “Condensed Matter Division of the DPG”, Regensburg (Germany)
- 12.2003** Workshop on “Solid State Quantum Information Processing”, Amsterdam (The Netherlands)
- 09.2003** Meeting of “Società Italiana di Fisica LXXXIX”, Parma (Italy)
- 09.2003** Workshop on “Spin and Charge Transport in Nanostructures”, Braga (Portugal)
- 06.2003** INFMeeting – National Conference on Condensed Matter Physics, Genova (Italy)
- 07.2002** International Summer School of Physics “Enrico Fermi”: Course CLI “Quantum Phenomena in Mesoscopic Systems”, Varenna (Italy)

COMPUTING SKILLS

Programming experience in
Experience with

Python, Wolfram Language, Matlab, Fortran
Mac OSX, Linux and Windows operating systems

HOBBIES

Sailing, running, swimming, reading, cooking

REFERENCES CAN BE OBTAINED FROM

Dr. Sebastian Bergeret

Materials Physics Center
Paseo Manuel de Lardizabal, 5
Donostia-San Sebastián, Spain
E-20018 Donostia-San Sebastián, Spain
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Email: sebastian.bergeret@ehu.eus

Prof. Dr. Thierry Martin

Directeur du Centre de Physique Théorique
Professeur, Aix-Marseille Université
Case 907 13288 Marseille (France)
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FURTHER REFERENCES CAN BE OBTAINED FROM

Prof. Dr. Hermann Grabert

Physikalisches Institut
Albert-Ludwigs-Universität Freiburg
Hermann-Herder-Strasse 3
D-79104 Freiburg (Germany)
Phone: +49 761 203 5882
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Prof. Dr. Piet Brouwer

Dahlem Center for Complex Quantum Systems
Arnimallee 14
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Prof. Dr. Milena Grifoni

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