

- Teaching advanced graduate courses at SISSA.
- Supervision of postdoctoral fellows, Ph.D. students and Diploma students.
- Organization of conferences.

◇ **Postdoctoral Fellow, ICTP** 9/2005–9/2007

Research position in the condensed matter and statistical physics sector.
 Research subjects: strongly correlated and disordered systems out of equilibrium, such as

- Quench dynamics in quantum critical systems.
- Measurement strategies of entanglement entropies in quantum critical systems.
- Transport and pumping in strongly correlated quantum dots.

◇ **Postdoctoral associate, Rutgers University, USA** 9/2003 – 8/2005

Research position in the condensed matter department.
 Research subject:

- Subgap localized states in disordered superconductors and SNS junctions.
- Hysteresis in the Random Field Ising Model.

ACADEMIC EDUCATION

◇ **Ph.D., The Weizmann Institute of Science** 2003

Condensed Matter Physics Department.
 Thesis: "Controlled dephasing and interference experiments in quantum dots."
 Supervisors: S. Levit and Y. Imry.

◇ **M.Sc.(Laurea), University of Milano** 1998

Theoretical Physics Department.
 Thesis: "Dynamics of the currents in the quantum hall effect."
 Supervisors: R. Ferrari.
 grade: 110/110 cum laude.

PRIZES AND FELLOWSHIPS

◇ **Feinberg Dean's prize** 2003
 The Weizmann Institute of Science.

◇ **Rosenblum fellowship,** 2000-2003
 The Weizmann Institute of Science.

◇ **State Fellowship for outstanding students,** 1998-1999.
 University of Milano.

SCIENTIFIC PUBLICATIONS

PAPERS

- A Lerose, B Zunkovic, A Silva, A Gambassi " *Quasilocalized excitations induced by long-range interactions in translationally invariant quantum spin chains*" Physical Review B 99 (12), 121112 (2018).
- FM Surace, A Russomanno, M Dalmonte, A Silva, R Fazio, F Iemini " *Floquet time crystals in clock models*" Physical Review B 99 (10), 104303 (2018).
- A Lerose, B Zunkovic, J Marino, A Gambassi, A Silva " *Impact of nonequilibrium fluctuations on prethermal dynamical phase transitions in long-range interacting spin chains* " Physical Review B 99 (4), 045128(2018).
- S Pappalardi, A Russomanno, B Zunkovic, F Iemini, A Silva, R Fazio " *Scrambling and entanglement spreading in long-range spin chains*" Physical Review B 98 (13), 134303 (2018).
- S Lorenzo, T Apollaro, GM Palma, R Nandkishore, A Silva, J Marino " *Remnants of Anderson localization in prethermalization induced by white noise*" Physical Review B 98 (5), 054302 (2018).
- J Goold, F Plastina, A Gambassi, A Silva " *The role of quantum work statistics in many-body physics* " arXiv preprint arXiv:1804.02805 (2018).
- A Lerose, J Marino, B Zunkovic, A Gambassi, A Silva " *Chaotic dynamical ferromagnetic phase induced by nonequilibrium quantum fluctuations*" Physical review letters 120 (13), 130603 (2018).
- A Lerose, J Marino, A Gambassi, A Silva " *Quantum many-body Kapitza phases of periodically driven spin systems*" arXiv preprint arXiv:1803.04490 (2018).
- S Notarnicola, F Iemini, D Rossini, R Fazio, A Silva, A Russomanno " *From localization to anomalous diffusion in the dynamics of coupled kicked rotors*" Physical Review E 97 (2), 022202 (2018).
- A Usui, T Busch, A Silva, J Goold " *Dynamical phase transitions and temporal orthogonality in one-dimensional hard-core bosons: from the continuum to the lattice*" New Journal of Physics 19 (11), 113018 (2017).
- SA Weidinger, M Heyl, A Silva, M Knap " *Dynamical quantum phase transitions in systems with continuous symmetry breaking*" Physical Review B 96 (13), 134313 (2017).
- B Zunkovic, M Heyl, M Knap, A Silva " *Dynamical Quantum Phase Transitions in Spin Chains with Long-Range Interactions: Merging different concepts of non-equilibrium criticality*" Phys. Rev. Lett. 120, 130601 (2018).
- S Pappalardi, A Russomanno, A Silva, R Fazio " *Multipartite entanglement after a quantum quench*" Journal of Statistical Mechanics: Theory and Experiment 2017 (5), 053104 (2019).
- M Marcuzzi, J Marino, A Gambassi, A Silva " *Prethermalization from a low-density Holstein-Primakoff expansion*" Physical Review B 94 (21), 214304 (2016).

- B.Zunkovic, A Silva, M Fabrizio "*Dynamical phase transitions and Loschmidt echo in the infinite-range XY model*"
Phil. Trans. R. Soc. A 374 (2069), 20150160.
- A. Maraga, P. Smacchia, A. Silva "*Linear ramps of the mass in the $O(N)$ model: Dynamical transition and quantum noise of excitations*"
Phys. Rev. B 94, 245122 (2016).
- J. Goold, S. R. Clark, C. Gogolin, J. Eisert, A. Scardicchio, A. Silva "*Total correlations of the diagonal ensemble herald the many-body localization transition*"
Physical Review B 92, 180202 (2015).
- M.Schiulaz, A.Silva and M. Müller "*Dynamics in many-body localized quantum systems without disorder*"
Phys. Rev. B 91, 184202 (2015).
- P Smacchia, M Knap, E Demler, A Silva "*Exploring dynamical phase transitions and prethermalization with quantum noise of excitations*"
Phys. Rev. B 91, 205136 (2015).
- A Maraga, A Silva, M Fabrizio "*Absence of thermalisation in a Fermi liquid*"
Phys. Rev. B 90, 155131 (2014).
- T Caneva, A Silva, R Fazio, S Lloyd, T Calarco, S Montangero "*Complexity of controlling quantum many-body dynamics*"
Physical Review A 89 (4), 042322 (2014).
- J Marino, A Silva "*Nonequilibrium dynamics of a noisy quantum Ising chain: Statistics of work and prethermalization after a sudden quench of the transverse field*"
Physical Review B 89 (2), 024303 (2014).
- A Maraga, P Smacchia, M Fabrizio, A Silva "*Nonadiabatic stationary behaviour in a driven low-dimensional gapped system*"
Physical Review B 90, 041111(R) (2014).
- D Rossini, R Fazio, V Giovannetti, A Silva "*Quantum quenches, linear response and superfluidity out of equilibrium*"
Europhysics Letters 107, 30002 (2014).
- M Marcuzzi, J Marino, A Gambassi, A Silva "*Prethermalization in a Nonintegrable Quantum Spin Chain after a Quench*"
Physical Review Letters 111 (19), 197203 (2013).
- P Smacchia, A Silva "*Work distribution and edge singularities for generic time-dependent protocols in extended systems*"
Physical Review E 88 (4), 042109 (2013).
- A Russomanno, A Silva, G.E. Santoro "*Linear response as a singular limit for a periodically driven closed quantum system*"
Journal of Stat. Mech.: Theory and Experiment 2013 (09), P09012 (2013).
- S Sotiriadis, A Gambassi, A Silva "*Statistics of the work done by splitting a one-dimensional quasicondensate*"
Phys. Rev. E 87, 052129 (2013).

- **A. Gambassi and A. Silva**
"Large deviations and universality in quantum quenches"
 Phys. Rev. Lett. 109, 250602 (2012).
- **A. Russomanno, A. Silva and G. Santoro**
"Periodic steady state and interference in periodically driven quantum systems"
 Phys. Rev. Lett. 109, 257201 (2012).
- **S. Zirardo, A. Silva and G. Santoro**
"Relaxation dynamics of disordered spin-chains: localization and the existence of a stationary state"
 Phys. Rev. Lett. 109, 247205 (2012)
- **E. Canovi, D. Rossini, R. FAzio, G.E. Santoro and A. Silva**
"Many-Body localization and thermalization in the full probability distribution function of observables"
 New J. Phys. 14, 095020 (2012)
- **J. Marino and A. Silva,**
"Relaxation, pre-thermalization and diffusion in a noisy Quantum Ising Chain"
 Phys. Rev. B 86, 060408(R) (2012).
- **P. Smacchia and A. Silva**
" Universal energy distribution of quasi-particles emitted in a local time-dependent quench"
 Phys. Rev. Lett. 109, 037202 (2012).
- **A. Gambassi and A. Silva**
" Statistics of the Work in Quantum Quenches, Universality and the Critical Casimir Effect. "
 arXiv:1106.2671, under revision.
- **T. Caneva, E. Canovi, D. Rossini, G. E. Santoro, and A. Silva**
" Applicability of the generalized Gibbs ensemble after a quench in the quantum Ising chain. "
 J. Stat. Mech. (2011) P07015.
- **A. Polkovnikov, K. Sengupta, A. Silva, M. Vengalattore**
"Nonequilibrium dynamics of closed interacting quantum systems. "
 Rev. Mod. Phys. 83, 863883 (2011) .
- **E. Canovi, D. Rossini, R. Fazio, G. Santoro and A. Silva**
"Quantum quenches, Thermalization and Many Body Localization "
 Phys. Rev. B 83, 094431 (2011) .
- **D. Rossini, S. Suzuki, G. Mussardo, G. Santoro, and A. Silva**
"Long Time dynamics following a quench in an integrable quantum spin chain: Local versus nonlocal operators and effective thermal behavior"
 Phys. Rev. B 83, 144302 (2010).
- **F. N. C. Paraan and A. Silva**
"Quantum Quenches in the Dicke Model: statistics of the work done and of other observables."
 Phys. Rev. E 80, 061130 (2009).

- D. Patane', A. Silva, L. Amico, R. Fazio and G. Santoro
"Adiabatic dynamics of a quantum critical system coupled to an environment: Scaling and kinetic equation approaches,"
 Phys. Rev. B 80, 024302 (2009)
- D. Patane', A. Silva, F. Sols and L. Amico.
"Thermalization dynamics close to a quantum phase transition,"
 Phys. Rev. Lett. 102, 245701 (2009).
- D. Rossini, A. Silva, G. Mussardo and G. Santoro
"Effective thermal dynamics following a quantum quench in a spin chain,"
 Phys. Rev. Lett. 102, 127204 (2009).
- D. Patane', A. Silva, L. Amico, R. Fazio, G. E. Santoro
"Adiabatic dynamics in open quantum critical many-body systems,"
 Phys. Rev. Lett. 101, 175701 (2008).
- A. Silva
"The Statistics of the Work Done on a Quantum Critical System by Quenching a Control Parameter,"
 Phys. Rev. Lett. 101, 120603 (2008).
- D. Fioretto and A. Silva
"Pumping through interacting quantum dots: inelastic scattering and corrections to Brouwer's formula,"
 Phys. Rev. Lett. 100, 236803 (2008).
- A. Schiller and A. Silva
"Adiabatic pumping through a quantum dot in the Kondo regime: Exact results at the Toulouse limit,"
 Phys. Rev. B 77, 045330 (2008).
- A. Silva and V. Kravtsov,
"Multiphoton processes in driven mesoscopic systems,"
 Phys. Rev. B 76, 165303 (2007).
- I. Klich, G. Refael, and A. Silva,
"Measuring entanglement entropies in many body systems,"
 Phys. Rev. A 74, 032306 (2006).
- M. Müller and A. Silva
"Instanton Analysis of Hysteresis in the Three-Dimensional Random-Field Ising Model,"
 Phys. Rev. Lett. 96, 117202 (2006).
- A. Silva,
"Tail states below the Thouless gap in superconductor-normal-metal-superconductor junctions: Classical fluctuations,"
 Phys. Rev. B 72, 224505 (2005).
- M. Sindel, A. Silva, Y. Oreg, and J. von Delft,
"Charge oscillations in quantum dots: Renormalization group and Hartree method

calculations,"
Phys. Rev. B 72, 125316 (2005).

- J. König, Y. Gefen, and A. Silva,
Comment on Do Intradot Electron-Electron Interactions Induce Dephasing?
Phys. Rev. Lett. 94, 179701 (2005).
- A. Silva and L. B. Ioffe,
"Subgap states in dirty superconductors and their effect on dephasing in Josephson qubits,"
Phys. Rev. B 71, 104502 (2005).
- M. Avinun-Kalish, M. Heiblum, A. Silva, D. Mahalu, and V. Umansky,
"Controlled Dephasing of a quantum dot in the Kondo regime,"
Phys. Rev. Lett. 92, 156801 (2004).
- A. Silva and S. Levit,
"Peculiarities of the controlled dephasing of a Quantum Dot in the Kondo regime,"
Europhys. Lett. 62, 103 (2003).
- A. Silva, Y. Oreg, and Y. Gefen
"Signs of quantum dot lead matrix elements: The effect on transport versus spectral properties,"
Phys. Rev. B 66, 195316 (2002).
- A. Silva and S. Levit
"Effects of entanglement in controlled dephasing,"
Phys. Rev. B 63, 201309 (2001).

INVITED
REVIEWS

- A. Silva and M. Heiblum,
"Phase Measurements in Quantum Dots,"
in NATO-ASI 125 (Edt. R. Fazio, V. F. Gantmakher, Y. Imry, Kluwer, 2003).

THESES AND
REPORTS

- A. Silva
*"Controlled Dephasing and Interference Effects
in Transport through Quantum Dots "*
Ph.D. Thesis,
The Weizmann Institute, 2003.

BIBLIOMETRIC DATA.

- **h-index: 28** (on 14/05/2019, data from Google Scholar)
- **total number of citations: 4267** (on 14/05/2019, data from Google Scholar)

CONFERENCES

INVITED
TALKS

Workshop " Modern Aspects of Quantum Physics" Zagreb	10/2018
Workshop " Non-equilibrium Physics Meeting " Salerno	09/2018
Workshop " New Trends in Nonequilibrium Statistical Mechanics: Classical and Quantum Systems " Erice	07/2018
Workshop " Non-thermal Quantum Systems " Boston	03/2018
Workshop " SISSA-Weizmann Meeting " Rehovot	06/2017
Workshop " Emergent phenomena and universality in correlated systems out of equilibrium" Bad Honnef	06/2017
Workshop " 4th Quantum thermodynamics conference" Erice	05/2016
Public Lecture on "Order and Chaos in the quantum world " Bar Ilan University	04/2016
Workshop " Quantum integrable models in and out of equilibrium" Cambridge	1/2016
Workshop "New Orizons in Nonequilibrium Thermodynamics" Erice	10/2015
Workshop "Localization, Interaction, and Superconductivity" Moscow	7/2015
Workshop "Beyond integrability: The mathematics and physics of integrability and its breaking in low-dimensional strongly correlated quantum phenomena" Montreal	7/2015
Workshop "Quantum Many-Body Systems far from Equilibrium Quench dynamics, thermalisation, and cold-atom experiments" Stellenbosch	3/2015
Workshop "Echoes in complex systems " Dresden	9/2014
Workshop "Non-equilibrium phenomena in Condensed Matter and String Theory , Trieste	6/2014
Workshop "The New Generation in Strongly Correlated Electron Systems 2014 , Nice	6/2014
Workshop "Non-equilibrium Quantum Systems Nottingham	5/2014
Workshop "Quantum Many-Body Dynamics Perimeter Institute	5/2014

- Workshop "Quantum Many Body Systems out of Equilibrium" , Dresden 8/2013
- Summer School "Thermalization: from glasses to black holes", Bangalore 6/2013
- Workshop "Equilibration and Thermalization in Quantum Systems", Stellenbosch 4/2013
- Workshop "Meso-2012", Chernogolovka 6/2012
- Conference "Cortona-2012", Cortona 6/2012
- Conference on " "New quantum states of matter in and out of equilibrium " , GGI Florence 5/2012
- "Advanced Working Group on Nonequilibrium Phenomena in low-dimensional Cold Gases", London 10/2011
- Workshop on " Quantum Matter in Low Dimensions: Opportunities and Challenges", Nordita 9/2010
- Workshop on "Time-dependent dynamics and non-equilibrium quantum systems", Budapest 5/2010
- APS March Meeting, Pittsburgh 3/2009
- Workshop on "Quantum Phase Transitions and Dynamics", Saha Inst., Kolkata 2/2009
- Workshop on " Quantum Phenomena and Information: From Atomic to Mesoscopic Systems " , ICTP, Trieste 5/2008
- Conference "Fluctuations in Superconductors", Nazareth 6/2007
- Conference "MESO-06", Landau Institute, Chernogolovka 6/2006
- Workshop "Electrons in 0-d conductors", MPI Dresden 11/2002
- NATO School "New Trends in Mesoscopic Physics", Erice 8/2002

CONTRIBUTED
TALKS

- COQUSY Program, MPI Dresden 8/2007
 - Talk: "Multiphoton Processes in Driven Mesoscopic Systems."
- APS March Meeting, Los Angeles 3/2005
 - Talk: "Subgap states in dirty superconductors" and Dephasing in Josephson qubits."
- 92 Stat. Phys. Conference, Rutgers University 12/2004
 - Talk: "Subgap states in dirty superconductors and dimensional reduction."
- DIP Workshop, LMU Munich 9/2003
 - Talk: "Controlled dephasing in quantum dots."
- Program "From Nuclei to Quantum Dots", U. of Washington 7/2002
 - Talk: "Interference effects in transport through quantum dots."

POSTERS

- Cortona BEC Conference, Cortona, Italy 11/2005
- Nanoscience Conference, KITP Santa Barbara 8/2001

ORGANIZATION OF ACTIVITIES.

CONFERENCES

- ◇ Organizer of the 2016 Italy-Israel meeting on " Nonequilibrium Physics ", April 2014, together with E. Della Torre, A. Russomanno .
- ◇ Organizer of the 2014 ICTP Summer College on " Non-linear Dynamics, Dynamical Transitions and Instabilities in Classical and Quantum Systems in far from equilibrium thermally isolated systems. ", July 2014, together with P. Calabrese, M. Müller, P LeDoussal .
- ◇ Coordinator of the 2012 KITP Santa Barbara Workshop on " Quantum dynamics in far from equilibrium thermally isolated systems. ", August-October 2012, together with V. Gritsev, A. Polkovnikov V. Gurarie .
- ◇ Organizer of the 2012 KITP Santa Barbara Conference on " Dynamics and thermodynamics of closed quantum systems ", August 2012, together with D. Huse, A. Polkovnikov, and J. Schmiedmayer .
- ◇ Organizer of the 2011 ICTP Workshop on " Integrability and its breaking in low dimensional and disordered systems ", 23-27 May 2011, together with V.Gritsev, T. Giamarchi G. Mussardo, and M. Mueller.
- ◇ Organizer of the 2010 ICTP Workshop on " Dynamics of strongly correlated quantum systems ", 21-25 June 2010, together with E. Altman, R.Fazio, A. Polkovnikov, and G. Santoro.
- ◇ Director of the 2009 ICTP College on "Nonequilibrium Physics from Classical to Quantum Low Dymensional Systems", 4-26 July 2009, together with L. Cugliandolo, L. Glazman, G. Mussardo and M. Kiselev.
- ◇ Scientific Secretary of the 2013 Conference of the SIF Conference at SISSA.

SEMINARS

- ◇ Organizer of the "SISSA Colloquia" 2016-
- ◇ Organizer of the "SISSA Cond. Mat. Seminar" 2013-
- ◇ Organizer of the "Joint SISSA/ICTP Stat. Phys. Seminar" 2006-2008
- ◇ Organizer of the "Informal Thursday Seminar/ Journal Club" 2004-2005
Rutgers University
- ◇ Organizer of the "Condensed Matter Physics Journal Club" 2002-2003
Weizmann Institute of Science

INVITED TALKS AT VARIOUS INSTITUTIONS

2016

- TUM April 2016
- Skoltech March 2016
- Landau Institute April 2016

2012

- Harvard U. September, 2012

2011	<ul style="list-style-type: none"> · Oxford U. · Amsterdam U. · Ulm U. 	<p>October, 2011 September, 2011 September, 2011</p>
2010	<ul style="list-style-type: none"> · ICTP Colloquium 	<p>October, 2010</p>
2009	<ul style="list-style-type: none"> · Lancaster University (interview for a lectureship: offered the position and declined), UK · ICTP, Trieste · Scuola Normale Superiore, Pisa · Boston University · Rutgers University · Weizmann Institute of Science 	<p>October, 2009 October, 2009 April, 2009 March, 2009 March, 2009 January, 2009</p>
2008	<ul style="list-style-type: none"> · Abdus Salam ICTP · LPTHE Jussieu, Paris 	<p>September, 2008 January, 2008</p>
2007	<ul style="list-style-type: none"> · LMU Munich · Landau Institute, Chernogolovka · Abdus Salam ICTP · University of Milano, Milano 	<p>December, 2007 October 2007 October 2007 March 2007</p>
2006	<ul style="list-style-type: none"> · SISSA · Scuola Normale Superiore Pisa · EPFL Lausanne · Hebrew University, Jerusalem · Weizmann Institute of Science 	<p>November, 2006 November, 2006 June, 2006 January, 2006 January, 2006</p>
2005	<ul style="list-style-type: none"> · Abdus Salam ICTP · Cornell University · Yale University · University of Minnesota 	<p>November, 2005 May, 2005 February, 2005 January, 2005</p>
2004	<ul style="list-style-type: none"> · Columbia University · Princeton University · Rutgers University 	<p>December, 2004 December, 2004 October, 2004</p>

2003

- LMU Munich
- University of Milano

September, 2003
March, 2003

2002

- Yale University
- Rutgers University
- Harvard University
- MIT
- Ben Gurion University
- Weizmann Institute

December, 2002
December, 2002
December , 2002
December , 2002
March , 2002
February , 2002

SUPERVISED STUDENTS .

MASTER THESIS

- ◇ **Davide Fioretto** **University of Milano**
 - Graduated in 2007 with grade 110/110 cum laude.
 - Thesis on: Adiabatic quantum pumping in interacting quantum dots.
- ◇ **Giulia Piccitto** **University of Catania**
 - Graduated in 2014 with grade 110/110 cum laude.
 - Thesis on: Adiabatic quantum pumping in interacting quantum dots.
- ◇ **Silvia Pappalardi** **University of Rome Sapienza**
 - Graduated in 2014 with grade 110/110 cum laude.
- ◇ **Pietro Torta** **University of Milano**
 - Graduated in 2019 with grade 110/110 cum laude.

PH.D. STUDENTS

- ◇ **Elena Canovi** **SISSA**
 - graduated in 2010
 - Thesis on: Quench Dynamics in Many Body Systems.
 - now at Aquila University.
- ◇ **Jamir Marino** **SISSA**
 - graduated in 2013
 - Thesis on: Pre-Thermalization in Quantum Spin Chains.
 - now Marie Curie Fellow at Harvard University
- ◇ **Pietro Smacchia** **SISSA**
 - graduated cum laude in 2014
 - Thesis on: Out of equilibrium many-body systems: adiabaticity, statistics of observables and dynamical phase transitions
 - now Head of Data Science at Blockchain (London).
- ◇ **Giuseppe Menegoz** **SISSA**
 - graduated on 30/10/2014
 - Thesis on: Dynamics and Correlations in Bose gases after a quantum quench..
- ◇ **Anna Maraga** **SISSA**
 - graduated cum laude on 30/10/2015
 - Nonequilibrium dynamics in isolated quantum systems: absence of thermalization and dynamical phase transitions.
 - now Chief Scientific Officer at Metaliquid (Milan).
- ◇ **Simone Notarnicola** **SISSA**
 - graduated on 25/10/2018
 - Coupled quantum kicked rotors: a study about dynamical localization, slow heating and thermalization

· now at University of Padova.

DIPLOMA
THESIS

◊ **Francis Paraan**

ICTP

- Thesis approved on 8/2008.
- Thesis on: Statistics of the work of quantum quenches in the Dicke Model.

◊ **David Nozadze**

ICTP

- Thesis approved on 8/2010.
- Thesis on: Quantum quenches in the Infinite Range Ising model.

◊ **Trahn Than Thuy**

ICTP

- Thesis to be approved on 8/2010.
- Thesis on: The Anderson Transition on the Bethe Lattice.

TEACHING EXPERIENCE.

- ◇ Basic Ph.D. Course at SISSA, Scuola Superiore Catania 2014-
 - Topic: "Advanced Statistical Mechanics". A graduate course on advanced topics in statistical mechanics, including the Renormalization Group, Field Theoretical Methods, etc ...
- ◇ Diploma Course at ICTP 2014-
 - Topic: "Statistical Mechanics". An undergraduate course on statistical mechanics.
- ◇ Advanced Ph.D. Course at SISSA and SNS, Pisa 2007-
 - Topic: "Many Body Physics out of Equilibrium". A graduate course on quantum physics out of equilibrium both in open systems (Keldysh technique) and closed systems (Quantum Quenches, Fluctuation Theorems).
- ◇ Diploma Course at ICTP 2008-2012
 - Topic: "Advanced Statistical Mechanics". An undergraduate course on critical phenomena and the renormalization group.
- ◇ Advanced Ph.D. Course at University of Milano 3/2007
 - Topic: "Many Body Physics out of Equilibrium". A course on quantum physics out of equilibrium and the Keldysh technique.
- ◇ Teaching Assistant , Weizmann Institute 2000-2002
 - Tutoring and exercise checking for "Solid State 1", taught by Prof. A. Stern.

GRANTS.

- ◇ Scored A in the 2013 ERC Consolidator Grant Call.
- ◇ INSTANS-ESF Grant
 - 15.000 Euro for the organization of the 2009 ICTP Summer College.

OTHER PROFESSIONAL ACTIVITIES.

- ◇ Refereeing
 - Referee for Phys. Rev. Lett., J. Stat., Phys. Rev A, Phys. Rev. B, NSF and ISF.
 - Member of the Board of Directors of SISSA (2018-).

