

Curriculum Vitae of Claudio Verdozzi (as of 31/03/2018)

1. Higher education degree

1986: Laurea in Fisica (Degree in Physics) at the "Universita' La-Sapienza" Rome (Italy)
 Thesis Supervisor: Prof. Michele Cini; Thesis Opponent: Prof. G. Jona-Lasinio
 Subject Area: Theoretical Solid State Physics, many-body effects in electron spectroscopies. Grade: 110/110 e Lode (Full Marks with Honours).

2. Doctoral degree

1996: PhD in physics at the University of Liverpool (UK), with a theoretical thesis entitled *Correlation Effects in the Late Transition Metals and their Alloys as revealed by XPS and Auger Spectroscopies*.
 Supervisor: Prof. P. Weightman; thesis opponent: Prof. J. Inglesfield.

3. Postdoctoral Positions

2000-2003: Post Doctoral Research Associate (PDRA) at the Department of Physics, Calstate University-Northridge, Northridge CA (USA).

1998-2000: Research Fellow at the Department of Physics, Edinburgh (UK).

1996-1997: PDRA at Sandia National Labs-NM (USA) and Liverpool University (UK).

4. Qualifications as research fellow/associate professor

Abilitation as *Docent in Physics*, Lund University (2005).

5. Current position, period of appointment, share of time spent in research

Associate Professor at the Department of Physics, Division of Mathematical Physics, Lund University. Time in research: 40%; in teaching: 60% ; Email: cv@teorfys.lu.se; phone: +46-(0)46-2229499.

Webpage: <http://www.teorfys.lu.se/personal/Claudio.Verdozzi/>

6. Previous positions and periods of appointment

2010-2012: Universitetslektor, vikarie, Lund University.

2006-2010: Nanoquanta Project Leader and ETSF Beamline Scientist at Lund University.

2004-2005: Visiting researcher at Lund University.

2003-2004: Visiting professor, Dept. of Physics, NDSU-Fargo ND (USA).

1991-1995: Phd student at IRC in Surface Science, Liverpool University (UK).

1988-1991: CNR scholarship fellow, CNR-Montelibretti (Italy).

1987-1988: High-School teacher in mathematics and physics in Rome (Italy).

1986-1987: Compulsory Military Service (Italy).

7. Interruptions in research

Parental leave (75%) March-September 2009

8. Main supervision of PhD and MSc students

M. Puig von Friesen (graduation: 6/5/2011); V.Vettchinkina (graduation: 29/5/2012); A. Kartsev (graduation: 12/6/2013); D. Karlsson (4/6/2014); Miroslav Hopjan (graduation: 23/2/2018); Emil Boström (graduation: 5/6/2018); 2 new students starting in Spring 2018

Supervision of 6 MSc. and 6 BSc students.

9. Past and current Grants

2008-2011: European Office of Aerospace Research/ Development (EOARD) and Air Force Office of Scientific Research (AFOSR) funding (240K USD); 2011: "Naturvetenskapliga fakultetens strategiska satsningar rrande ESS och MAX IV" funding (350K SEK). 2014: Vetenskapsrådet - Conference grant (70kSEK). 2016: Krapperupsstiftelsen (200kSEK), 2017: Craaford Foundation (300SEK), Naturvetenskapliga fakultetens strategiska satsningar rrande ESS och MAX IV" funding (380K SEK), Vetenskapsrådet (3M SEK).

10. Invitations to international conferences, last 10 years

- y) "Optimal Transport Methods in Density Functional Theory", Banff-IRS, Canada, 2019
- x) "8th Workshop on Time-Dependent Density-Functional Theory, Benasque, 2018
- w) "Progress in Nonequilibrium Green's Functions", Rome, 2018
- v) "Frontiers of Quantum and Mesoscopic Thermodynamics", Prague 2017
- u) 5th Conference on Nuclei and Mesoscopic Physics, Lansing (USA), 2017
- t) "Density Functional Theory meets Quantum Information Theory", Sao Paulo 2017
- s) "Quantum Non-equilibrium phenomena", Natal (BR), 2016
- r) "Isolated Quantum Many-Body Systems out of Equilibrium", Bad Honnef 2015
- q) "Nanoscience and Nanotechnology 2015", Rome, 2015
- p) "YCQT/CMPi Workshop on Quantum Correlations and Many-Body Physics", York, 2015
- o) "Theory Days 2015", Toulouse 2015
- n) "Frontiers of Quantum and Mesoscopic Thermodynamics", Prague 2015
- m) "Density functional theory meets for quantum information theory", Araraquara 2014
- l) "Advances in time-depedent methods for quantum many-body systems", Trento 2013
- i) "Frontiers of Quantum and Mesoscopic Thermodynamics", Prague 2013
- h) "Green's Function Methods: the next generation" CECAM-Toulouse, 2013
- g) "Progress in Nonequilibrium Green's Functions", Jyväskylä 2012
- f) "Electron Correlations and Materials Properties in Compounds and Alloys", Porto-Heli 2012.
- e) "Frontiers of Quantum and Mesoscopic Thermodynamics", Prague 2011
- d) "Ultracold Quantum Gases beyond Equilibrium", Natal 2010
- c) "NCES10", Gothenburg, 2010
- b) "Frontiers in Density functional Theory", Montauk Yacht Club, NY, 2009
- a) "2nd International Symposium and Workshop on Correlated Electrons in Matter", Gatlinburg 2009

11. Extramural scientific activities and assignments

- Beamline Coordinator, Management Board (2013-2014) and Steering Committee (2014-present) member for the European Theoretical Spectroscopy Facility (<http://www.etsf.eu>)
- Regular reviewer for Physical Review Letters, Physical Review B and Journal of Physics Condensed Matter
- PhD opponent: Trinity College Dublin (2011), Jyväskylä University (2012), York University (2009, 2015)
- Regular project reviewer for NWO, Leverhulme Trust, DFG, DOE, NSF
- Organizer of the conferences "TDDFT in Sweden" (2008), "Progress in Nonequilibrium Green's Functions VI" (2015), "21st ETSF workshop" (2016)
- Literature expert/consultant of the Physics Library at Lund University
- Coordinator/examiner of Diploma Works at the Physics Department-Lund University.

12. Teaching

- 1987-1988: High-school Mathematics and Physics, Rome (Italy).
- 1991-1992: Superconductivity and magnetism, Camerino (Italy).
- 2003-2004: Algebra-based Physics I-II , Solid State Physics, Modern Physics, Fargo (USA).
- 2005: Exact Numerical Diagonalization approaches, Milano (Italy).
- 2006: Advanced quantum mechanics, Lund.
- 2010: Classical Advanced Electromagnetism, Lund.
- 2010-2013: Quantum Mechanics and mathematical methods, Lund.
- 2014,2019: Many-body Physics, Lund.
- 2010-present: Solid State Physics, Lund.
- 2015-present: Statistical mechanics, Lund.