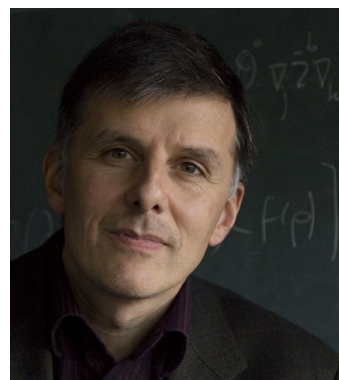


## Carlo Beenakker

[www.iLorentz.org/beenakker](http://www.iLorentz.org/beenakker)

- 1982 Graduated in Physics from Leiden University.
- 1984 Doctorate in Theoretical Physics from Leiden University; Thesis advisor: [Peter Mazur](#).
- 1985 Postdoctoral research in Stanford and in Santa Barbara, as a Fellow of the Niels Stensen Foundation.
- 1986 (–1991) Member of the scientific staff of the Philips Research Laboratories in Eindhoven.
- 1991 (–present) Professor of Theoretical Physics at Leiden University.



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*born in Leiden (1960), married (1983)  
4 children, 11 grandchildren*

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*Hirsch index = 85 [WoS] or 103 [GS].*

### *Distinctions —*

- 1985 [C.J. Kok prize](#) for the Ph.D. thesis *On transport properties of concentrated suspensions*.
- 1993 PIONIER award.
- 1993 Royal/Shell prize for “the discovery and explanation of conductance quantization” (with Henk van Houten & Bart van Wees).
- 1997 Winner of the Dutch National Science Quiz.
- 1999 [NWO/Spinoza prize](#).
- 2001 Elected member of the [Royal Holland Society of Sciences and Humanities](#).
- 2002 Elected member of the [Royal Netherlands Academy of Arts and Sciences](#).
- 2003 [Physica prize](#).
- 2006 [AKZO Nobel Science Award](#). for “pioneering contributions to nanoscience”.
- 2009 [Leigh Page prize](#).
- 2009 [ERC Advanced Investigator Grant](#).
- 2012 [ERC Synergy Grant](#) (with Leo Kouwenhoven & Lieven Vandersypen).
- 2015 [W.J. Carr lecturer](#).
- 2015 Knighted in the [Order of the Dutch Lion](#).
- 2018 [Honorary doctorate](#) (Bogolyubov Institute of the National Academy of Sciences of Ukraine).
- 2019 [ERC Advanced Investigator Grant](#).
- 2020 Elected [Fellow of the American Physical Society](#).
- 2024 Elected [Fellow of the American Association for the Advancement of Science](#).

### *Professional activities —*

- Consultant at the Philips Research Laboratories in Eindhoven (1992–1996).
- Member of the Council for Physics and Astronomy of the Royal Netherlands Academy of Arts and Sciences (2000–2006). Secretary of the Physics and Astronomy division (2006–2016).
- Member of the Scientific Council of the Dutch Forensic Institute (2001–2003).
- Member of the Physics Advisory Board of the Lorentz Center, Leiden University (2001–2005).
- Chair of the board of the Lorentz Foundation (2002–2022).
- Member (vice-chair since 2007) of the Executive Board of the Foundation for Fundamental Research on Matter and of the Physics Division of the Netherlands Organization for Scientific Research (2004–2011).
- Member of the board of the Niels Stensen Foundation (2005–2019).
- Member/Chair of the Investigator Grant Panels of the European Research Council (since 2010).
- Conference Ambassador for Leiden (since 2014).
- Member of the International Advisory Committee of the National Center for Theoretical Sciences, Taiwan (2016–2020).

- Member of the [Science Advisory Board](#) of the Institute for Molecules and Materials, Nijmegen (since 2016).
- Member of the Austrian [Wittgenstein prize](#) jury (2016–2024).
- Member of the board of the [Minerva Scholarship](#) Fund (since 2016).
- Member of the [International Advisory Committee](#) of the Ukraine Ministry of Science and Technology (since 2016).
- Member of the [International Advisory Board](#) of the European Microkelvin Platform (since 2019).
- Member of the Executive Board of the [Dutch Physics Council](#) (since 2020–2026).
- Advisory board member of the Centre for Dynamics and Topology (TopDyn) (since 2020).
- Chair of the Board of the [Quantum Delta Foundation](#) (since 2020).
- Evaluation committee member of the European Innovation Council (since 2021).
- Member of the Strategic Advisory Board of QuantAlps (since 2022).
- Member of the jury of the Legatum Stolpianum (since 2023).

#### *Editorial activities* —

- Advisory Editor, *Physica A* (1995–1999).
- Editorial Board Member, *Physical Review B* (1996–2002).
- Editor, *Physics Reports* (1998–2004).
- Divisional Associate Editor, *Physical Review Letters* (2003–2009).
- EPL Distinguished Referee (2009).
- APS Outstanding Referee (2011).
- Editorial Board Member, *Annalen der Physik* (since 2012).
- Editor, *New Journal of Physics* (2012–2018).
- Member of the Board of Reviewing Editors, *Science* (since 2014).
- Founding Editor, *Quantum* (since 2016).
- Senior Editor, *SciPost* (since 2017).
- IOP Outstanding Reviewer (2017).
- Editorial Board Member, *Advanced Quantum Technologies* (since 2018).
- Editorial Board Member, *PRX Quantum* (2020–2024).
- Editorial Board Member, *Radix* (since 2022).
- Editorial Board Member, *Advances in Theoretical and Mathematical Physics* (since 2022).
- Editorial Board Member, *APL Quantum* (2024–2026)

#### *Ph.D. students* —

- A.A.M. Staring, *Coulomb-blockade oscillations in quantum dots and wires* (1992).
- B. Rejaei-Salmassi, *On the conductivity of strongly correlated low-dimensional systems* (1994).
- M.J.M. de Jong, *Shot noise and electrical conduction in mesoscopic systems* (1995).
- P.W. Brouwer, *On the random-matrix theory of quantum transport* (1997).
- J.A. Melsen, *Induced superconductivity in microstructures* (1997).
- J.C.J. Paasschens, *On the transmission of light through random media* (1997).
- S.A. van Langen, *Thermal and electrical phenomena in chaotic conductors* (1998).
- M.C.J.M. Vissenberg, *Opto-electronic properties of disordered organic semiconductors* (1999).
- M. Patra, *On quantum optics of random media* (2000).
- K.J.H. van Bommel, *On chaotic wave dynamics* (2001).
- M. Kindermann, *Electron counting statistics in nanostructures* (2003).
- A. Tajic, *Study of a stroboscopic model of a quantum dot* (2005).
- A. F. Andreev, *honorary doctorate* (2005).
- M.C. Goorden, *Superconductivity in nanostructures: Andreev billiards and Josephson junction qubits* (2005).
- J.L. van Velsen, *On the production and transfer of entangled electrons and photons* (2005).
- B.D. Michaelis, *On dephasing and spin decay in open quantum dots* (2006).
- J.H. Bardarson, *Effects of spin-orbit coupling on quantum transport* (2008).
- I. Snyman, *Scattering problems involving electrons, photons, and Dirac fermions* (2008).
- R.A. Sepkhanov, *Light scattering by photonic crystals with a Dirac spectrum* (2009).
- C.W. Groth, *Anomalous diffusion of Dirac fermions* (2010).
- M.V. Medvedyeva, *On localization of Dirac fermions by disorder* (2011).
- A.R. Akhmerov, *Dirac and Majorana edge states in graphene and topological superconductors* (2011).

- J.P. Dahlhaus, *Random-matrix theory and stroboscopic models of topological insulators and superconductors* (2012).
- I.C. Fulga, *Scattering theory of topological phase transitions* (2013).
- D.I. Pikulin, *On topological properties of superconducting nanowires* (2013).
- S. Mi, *Signatures of Majorana zero-modes in nanowires, quantum spin Hall edges, and quantum dots* (2015).
- B. van Heck, *Quantum computation with Majorana modes in superconducting circuits* (2015).
- M. Diez, *On electronic signatures of topological superconductivity* (2015).
- B.M. Tarasinski, *On periodically driven quantum systems* (2016).
- P.S. Baireuther, *On transport properties of Weyl semimetals* (2017).
- M. Marciani, *On the random-matrix theory of Majorana fermions in topological superconductors* (2017).
- V.P. Ostroukh, *Lattice models for Josephson junctions and graphene superlattices* (2018).
- N. Bovenzi, *Spin-momentum locking in oxide interfaces and in Weyl semimetals* (2018).
- N.V. Gnezdilov, *On transport properties of Majorana fermions in superconductors: free & interacting* (2019).
- T.E. O'Brien, *Applications of topology to Weyl semimetals and quantum computing* (2019).
- M. Steudtner, *Methods to simulate fermions on quantum computers with hardware limitations* (2019).
- M.J. Pacholski, *On the coexistence of Landau levels and superconductivity* (2021).
- Y. Herasymenko, *Strategies for braiding and ground state preparation in digital quantum hardware* (2022).
- M. Semenyakin, *On cluster algebras and topological string theory* (2022).
- X. Bonet-Monroig, *Optimization of quantum algorithms for near-term quantum computers* (2022).
- Y.I. Chepesh, *Anyonic, cosmic, and chaotic: three faces of Majorana fermions* (2022).
- G. Lemut, *On topological properties of massless fermions in a magnetic field* (2023).
- D.O. Oriekhov, *On quantum transport in flat-band materials* (2023).
- S. Polla, *The power of one qubit in quantum simulation algorithms* (2024).
- A. Donís Vela, *Tangent fermions: massless fermions on a lattice* (2024).
- T. Vakhtel, *Hybrid Josephson junctions and their qubit applications* (2024).

### Conference activities —

- Symposium organizer and chairman, 8th General Conference of the European Physical Society (Amsterdam, The Netherlands, 1990).
- Member of International Advisory Committee, 7th International Conference on “Superlattices, Microstructures and Microdevices” (Banff, Canada, 1994).
- Member of International Program Committee, 11th International Conference on “Electronic Properties of Two-Dimensional Systems”, EP2DS-11 (Nottingham, United Kingdom, 1995).
- Member of International Advisory Committee, 9th International Conference on “Superlattices, Microstructures and Microdevices” (Liege, Belgium, 1996).
- Co-organizer (with B.I. Halperin), Lorentz Center Workshop on “Directions in Mesoscopic Physics” (Leiden, The Netherlands, 1997).
- Member of International Program Committee, 24th International Conference on the “Physics of Semiconductors” (Jerusalem, Israel, 1998).
- Co-organizer (with H.U. Baranger and M.C. Gutzwiller), Aspen Center Workshop on “Quantum Chaos and Mesoscopic Systems” (Aspen, USA, 1998).
- Member of International Advisory Board, 22nd International Conference on “Low Temperature Physics” (Helsinki, Finland, 1999).
- Member of International Program Committee, LT22 Satellite Conference on “Electron Transport in Mesoscopic Systems” (Gothenburg, Sweden, 1999).
- Co-organizer (with G. Schön), TMR Network Meeting & School on “Phase Coherent Dynamics of Hybrid Nanostructures” (Bad Herrenalb, Germany, 1999).
- Member of Scientific Committee, Academy Colloquium on “Quantum Optics of Small Structures” (Amsterdam, The Netherlands, 1999).
- Co-organizer (with C.M. Varma), Lorentz Center Workshop on “Interacting Electrons in Disordered Metals” (Leiden, The Netherlands, 2000).
- Co-organizer (with M. Crommie, Y. Imry, and P. McEuen), ITP workshop on “Nanoscience” (Santa Barbara, USA, 2001).
- Member of International Advisory Committee, International Conference in Theoretical Physics (Paris, France, 2002).
- Member of International Advisory Committee, 26th International Conference on the “Physics of Semiconductors” (Edinburgh, United Kingdom, 2002).
- Member of International Advisory Committee, Localisation 2002: “Quantum Transport and Quantum Coherence” (Tokyo, Japan, 2002).
- Member of Organizing Committee, Centennial Symposium on “Lorentz, Zeeman & the discovery of the electron”

- (Leiden, The Netherlands, 2002).
- Member of Organizing Committee, NTT Symposium on “Mesoscopic Superconductivity and Spintronics” (Atsugi, Japan, 2002).
  - Member of Program Committee, Symposium on “Trends in Theory” (Dalfsen, The Netherlands, 2003).
  - Co-organizer (with J.E. Mooij), Lorentz Center Workshop on “Fundamentals of Solid State Quantum Information Processing” (Leiden, The Netherlands, 2003).
  - Member of International Advisory Committee, International Conference on “Solid State Quantum Information Processing” (Amsterdam, The Netherlands, 2003).
  - Member of the Scientific Program Committee, 18th International Conference on “Noise and Fluctuations” (Salamanca, Spain, 2005).
  - Member of International Advisory Committee, International Workshop on “Correlations in finite quantum systems: quantum dots, quantum gases and nuclei” (Mallorca, Spain, 2005).
  - Member of Program Committee, OSA Topical Meeting on “Photonic Metamaterials: from Random to Periodic” (Grand Bahama Island, Bahamas, 2006).
  - Co-organizer (with G. Bauer, V. Cheianov, and H. Schomerus), International Conference “Nanoelectronics 2006” (Lancaster, United Kingdom, 2006).
  - Co-organizer (with J. Cserti and A. Pályi), International School on “Fundamentals of Nanoelectronics” (Keszthely, Lake Balaton, Hungary, 2006).
  - Co-organizer (with L. Vandersypen), Session on “Quantum Information and Computation”, FYSICA 2006 (Leiden, The Netherlands, 2006).
  - Member of International Advisory Committee, VI Rencontres de Moriond in Mesoscopic Physics (La Thuile, Italy, 2008).
  - Member of International Advisory Committee and editor of the Proceedings, 25th International Conference on Low Temperature Physics, LT25 (Amsterdam, The Netherlands, 2008).
  - Member of International Advisory Committee, NATO Advanced Research Workshop on “Recent Advances in Nonlinear Dynamics and Complex System Physics” (Taskhent, Uzbekistan, 2008).
  - Member of Scientific Program Committee, 20th International Conference on “Noise and Fluctuations” (Pisa, Italy, 2009).
  - Coordinator (with B. Altshuler, V. Falko, and F. Guinea), KITPC program on “Progress in Graphene Research” (Beijing, China, 2010).
  - Member of International Advisory Committee, VII Rencontres de Moriond in Mesoscopic Physics (La Thuile, Italy, 2011).
  - Member of International Advisory Committee, 26th International Conference on Low Temperature Physics, LT26 (Beijing, China, 2011).
  - Co-organizer (with X. Chen, X. Dai, A. Kapitulnik, Q.-K. Xue, and S.-C. Zhang), LT26 Satellite Conference on “Topological Insulators and Superconductors” (Beijing, China, 2011).
  - Coordinator (with A. Kapitulnik, L. Molenkamp, Q.-K. Xue, and Y. Yu), KITPC program on “Topological Insulators and Topological Superconductors” (Beijing, China, 2011).
  - Co-organizer (with J. Cserti), International School on “Nanoelectronics beyond the Roadmap” (Lake Balaton, Hungary, 2011).
  - Member of the local organizing committee, Graphene Week 2012 (Delft, The Netherlands, 2012).
  - Member of Scientific Committee, International School on “Fundamentals of Nanoelectronics” (Tenerife, Spain, 2012).
  - Co-organizer (with A.R. Akhmerov, F. Hassler, C.L. Kane, and M. Wimmer), Lorentz Center Workshop on “Majorana Fermions in Condensed Matter” (Leiden, The Netherlands, 2012).
  - Member of International Advisory Committee, IX Rencontres du Vietnam on “Nanophysics, from fundamentals to applications” (Quy-Nhon, Vietnam, 2013).
  - Member of Scientific Committee, International School on “Nanoelectronics: Concepts, Theory and Modelling” (Wasowo, Poland, 2013).
  - Member of Scientific Committee, E-MRS Symposium on “Topological Materials” (Warsaw, Poland, 2014).
  - Organizer, Session on “Topological Insulators”, FYSICA 2014 (Leiden, The Netherlands, 2014).
  - Ambassador, PLANCKS 2015 (Leiden, The Netherlands, 2015).
  - Co-organizer (with A.P. Mosk and J.B. Pendry), Lorentz Center Workshop on “Transformations in optics: Bridging wavefront shaping, compressive sensing, and structured illumination” (Leiden, The Netherlands, 2015).
  - Co-organizer (with C.L. Kane, T. Lubensky, and V. Vitelli), Lorentz Center Workshop on “Topological matter at  $\hbar$ -zero: Photonic, acoustic, and mechanical analogues of electronic topological insulators” (Leiden, The Netherlands, 2016).
  - Member of International Advisory Committee, 22nd International Conference on “Electronic Properties of Two-Dimensional Systems”, EP2DS-22 (Penn State, USA, 2017).
  - Member of International Advisory Committee, 18th International Conference on Modulated Semiconductor Structures, MSS-18 (Penn State, USA, 2017).
  - Member of International Advisory Committee, X Rencontres du Vietnam on “Nanophysics, from fundamentals to applications” (Quy-Nhon, Vietnam, 2017).
  - Member of Organizing Committee, 21th International Conference on “Quantum Information Processing”, QIP2018 (Delft, The Netherlands, 2018).
  - Member of International Advisory Committee, 23 International Conference on “Electronic Properties of Two-Dimensional

- Systems”, EP2DS-23 (Würzburg, Germany, 2020).
- Member of International Advisory Committee, 19th International Conference on Modulated Semiconductor Structures, MSS-19 (Würzburg, Germany, 2020).
- Member of International Advisory Committee, Localisation 2020 (Sapporo, Japan, 2020).
- Member of International Advisory Committee, International Conference on “Nanoscale phenomena in low-dimensional structures and novel functional materials” (Samarkand, Uzbekistan, 2020).
- Member of International Advisory Committee, Localisation 2022 (Sapporo, Japan, 2022).
- Member of International Advisory Committee, 25th International Conference on “Electronic Properties of Two-Dimensional Systems”, EP2DS-25 (Grenoble, France, 2023).
- Member of International Advisory Committee, 21 International Conference on Modulated Semiconductor Structures, MSS-21 (Grenoble, France, 2023).
- Co-organizer, ICTP Summer School on “New Trends in Modern Quantum Science: from Novel Functional Materials to Quantum Technologies” (Bukhara, Uzbekistan, 2023).
- Member of International Advisory Committee, 26th International Conference on “Electronic Properties of Two-Dimensional Systems”, EP2DS-26 (St. Louis, USA, 2025).
- Member of International Advisory Committee, 22 International Conference on Modulated Semiconductor Structures, MSS-22 (St. Louis, USA, 2025).

### *Invited speaker at international conferences —*

- Gordon Research Conference on “Dynamics of Macromolecular and Polyelectrolyte Solutions” (Santa Barbara, USA, 1986).
- 4th International Conference on “Superlattices, Microstructures and Microdevices” (Trieste, Italy, 1988).
- International Workshop on “Electron Transport in Small Systems” (Trieste, Italy, 1988).
- 9th General Conference of the Condensed Matter Division of the European Physical Society (Nice, France, 1989).
- Frühjahrstagung der Deutsche Physikalische Gesellschaft (Münster, Germany, 1989).
- 4th International Conference on “Modulated Semiconductor Structures” (Ann Arbor, USA, 1989).
- NATO Advanced Study Institute on “Electronic Properties of Multilayers and Low-Dimensional Semiconductor Structures” (Chateau de Bonas, France, 1989).
- Jahrestagung der Österreichische Physikalische Gesellschaft (Linz, Austria, 1989).
- Third Bar-Ilan Conference on “Frontiers in Condensed Matter Physics” (Ramat-Gan, Israel, 1990).
- March Meeting of the American Physical Society (Anaheim, USA, 1990).
- NATO Advanced Study Institute on “Quantum Coherence in Mesoscopic Systems” (Les Arcs, France, 1990).
- NATO Advanced Study Institute on “Granular Nanoelectronics” (Il Ciocco, Italy, 1990).
- 19th International Conference on “Low Temperature Physics” (Brighton, United Kingdom, 1990).
- NATO Advanced Study Institute on “Single Charge Tunneling” (Les Houches, France, 1991).
- International Symposium on “Nanostructures and Mesoscopic Systems” (Santa Fe, USA, 1991).
- International Symposium on “Science and Technology of Mesoscopic Structures” (Nara, Japan, 1991).
- 14th Taniguchi International Symposium on “Physics of Mesoscopic Systems” (Shima, Japan, 1991).
- IOP Condensed Matter and Materials Physics Conference (Birmingham, United Kingdom, 1991).
- International Workshop on “Quantum-Effect Physics, Electronics and Applications” (Luxor, Egypt, 1992).
- 7th International Winter School on “New Developments in Solid State Physics” (Mauterndorf, Austria, 1992).
- 12th General Conference of the Condensed Matter Division of the European Physical Society (Prague, Czechoslovakia, 1992).
- NATO Advanced Research Workshop on “Physics of Few-Electron Nanostructures” (Noordwijk, The Netherlands, 1992).
- NATO Advanced Research Workshop on “Computations for the Nanoscale” (Aspet, France, 1992).
- International Workshop on “Spectral Problems in Mathematical Physics” (Institut Mittag-Leffler, Djursholm, Sweden, 1992).
- March Meeting of the American Physical Society (Seattle, USA, 1993).
- XXII International School on “Physics of Semiconducting Compounds” (Jaszowiec, Poland, 1993).
- VIII International Summer School on “Fundamental Problems in Statistical Mechanics” (Altenberg, Germany, 1993).
- International Workshop on “Small Semiconductor Structures” (Trieste, Italy, 1993).
- 9th General Conference on “Trends in Physics” of the European Physical Society (Firenze, Italy, 1993).
- Euroconference on “Coherence and Phase Transitions in Superconductors and Mesoscopic Structures” (Torino, Italy, 1993).
- International Workshop on “Quantum Dynamics of Phase Coherent Structures” (Ambleside, United Kingdom, 1994).
- XXIX Rencontres de Moriond on “Coulomb and Interference Effects in Small Electronic Structures” (Villars, Switzerland, 1994).
- NATO Advanced Research Workshop on “Mesoscopic Superconductivity” (Karlsruhe, Germany, 1994).
- International Workshop on “Submicron Quantum Dynamics” (Trieste, Italy, 1994).
- NATO Advanced Study Institute on “Mesoscopic Quantum Physics” (Les Houches, France, 1994).

- Technion Advanced Research Workshop on “Free Electrons in Semiconductor Nanostructures” (Kibbutz Ginosar, Israel, 1994).
- WE-Heraeus Workshop on “Mesoscopic Transport, Localization, and Quantum Hall Effect” (Bad Honnef, Germany, 1994).
- Second International Workshop on “Quantum Dynamics of Phase Coherent Structures” (Hamburg, Germany, 1995).
- WE-Heraeus Workshop on “Transport in Classically Chaotic Systems” (Bad Honnef, Germany, 1995).
- 2nd International Conference on “Point-Contact Spectroscopy” (Nijmegen, The Netherlands, 1995).
- International Conference on “Modern Trends in Theoretical Physics” (Moscow, Russia, 1995).
- NATO Advanced Study Institute on “Quantum Transport in Semiconductor Submicron Structures” (Bad Lauterberg, Germany, 1995).
- Symposium on “Physics and Chemistry of Condensed Matter” (Rondablikk, Norway, 1995).
- Course on “Quantum Mechanics at the Mesoscopic Scale” (Champoussin, Switzerland, 1995).
- National Academy of Sciences’ Seventh Annual Symposium on “Frontiers of Science” (Irvine, USA, 1995).
- International Workshop on “Random Matrices and Quantum Localization” (Toulouse, France, 1996).
- Frühjahrstagung der Deutsche Physikalische Gesellschaft (Regensburg, Germany, 1996).
- Conference on “Chaos in Mesoscopic Systems” (Santa Barbara, USA, 1996).
- NATO Advanced Study Institute on “Mesoscopic Electron Transport” (Curaçao, Netherlands Antilles, 1996).
- International Workshop on “Non-Perturbative Approach to Chaos in Mesoscopic Systems and Localization” (Dresden, Germany, 1996).
- Euroconference on “Correlations in Unconventional Quantum Liquids” (Évora, Portugal, 1996).
- International Workshop on “Chaotic Dynamics and Quantum Many-Body Systems” (Trento, Italy, 1997).
- Minerva Workshop on “Mesoscopics, Fractals, and Neural Networks” (Eilat, Israel, 1997).
- First International Symposium on “Phase-Coherent Dynamics of Hybrid Nanostructures” (Miraflores de la Sierra, Spain, 1997).
- Adriatico Research Conference on “Superconductivity, Andreev Reflections and Proximity Effect in Mesoscopic Structures” (Trieste, Italy, 1997).
- 17th European Conference on “Surface Science” (Enschede, The Netherlands, 1997).
- International Workshop on “Disordered Systems and Quantum Chaos” (Isaac Newton Institute, Cambridge, United Kingdom, 1997).
- IV Polish–Dutch Colloquium on “Condensed Matter Physics” (Kraków, Poland, 1998).
- NATO Advanced Study Institute on “Diffuse Waves in Complex Media” (Les Houches, France, 1998).
- International Workshop on “Novel Physics in Semiconductor Nanostructures” (Pisa, Italy, 1998).
- International Workshop on “From Mesoscopic to Microscopic Quantum Transport: New Trends in Theory and Experiment” (Dresden, Germany, 1998).
- Frühjahrstagung der Deutsche Physikalische Gesellschaft (Münster, Germany, 1999).
- International Workshop on “Dynamics of Complex Systems” (Dresden, Germany, 1999).
- Symposium on “Mesoscopic Spectra” (Weizmann Institute, Rehovot, Israel, 1999).
- NATO Advanced Study Institute on “Quantum Mesoscopic Phenomena and Mesoscopic Devices in Microelectronics” (Ankara/Antalya, Turkey, 1999).
- European Commission Summer School on “Exotic States in Quantum Nanostructures” (Windsor, United Kingdom, 1999).
- Workshop on “Mesoscopic Physics of Normal Conductors and Superconductors” (Oslo, Norway, 1999).
- Academy Colloquium on “Quantum Optics of Small Structures” (Amsterdam, The Netherlands, 1999).
- European Network Meeting on “Phase Coherent Dynamics of Hybrid Nanostructures” (Cargèse, Corsica, 2000).
- Nobel Symposium on “Quantum Chaos Y2K” (Bäckaskogs Castle, Sweden, 2000).
- NATO Advanced Study Institute on “Photonic Crystals and Light Localization” (Crete, Greece, 2000).
- International Seminar on “Non-Perturbative Approach to Disordered Systems and Quantum Hall Effect” (Dresden, Germany, 2000).
- XXXVI Rencontres de Moriond on “Electronic Correlations: From meso- to nano-physics” (Les Arcs, France, 2001).
- 7th Gentner Symposium on “Quantum Chaos” (Ein Gedi, Israel, 2001).
- European Network Meeting on “Nanoscale Dynamics, Coherence and Computation” (Mátrafüred, Hungary, 2001).
- Dynamics Days Europe 2001 (Dresden, Germany, 2001).
- WE-Heraeus Workshop on “Electronic Nanostructures” (Bad Honnef, Germany, 2001).
- STW Workshop on “Semiconductor Advances for Future Electronics” — SAFE2001 (Veldhoven, 2001).
- NTT Symposium on “Mesoscopic Superconductivity and Spintronics” (Atsugi, Japan, 2002).
- NATO Advanced Research Workshop on “Quantum Noise in Mesoscopic Physics” (Delft, 2002).
- Workshop on “Mesoscopic Physics and Electron Interaction” (Trieste, Italy, 2002).
- International Conference on Theoretical Physics (Paris, France, 2002).
- WE-Heraeus Workshop on “Localisation, Quantum Coherence, and Interactions” (Hamburg, Germany, 2002).
- International Workshop on “Progress in Condensed Matter Theory” (Dresden, Germany, 2002).
- International Workshop on “Electrons in Zero-Dimensional Conductors” (Dresden, Germany, 2002).

- International Conference on “Nanoelectronics” (Lancaster, United Kingdom, 2003).
- Summer school on “Quantum Computation at the Atomic Scale” (Istanbul, Turkey, 2003).
- International Workshop on “Quantum Transport and Correlations in Mesoscopic Systems and QHE” (Dresden, Germany, 2003).
- European Research Conference on “Fundamental Problems of Mesoscopic Physics” (Granada, Spain, 2003).
- Conference on “Solid State Quantum Information Processing” (Amsterdam, The Netherlands, 2003).
- XV Chris Engelbrecht Summer School in Theoretical Physics (Drakensberg, South Africa, 2004).
- IOP Condensed Matter and Materials Physics Conference (Warwick, United Kingdom, 2004).
- International Workshop on “Mesoscopic Physics, Quantum Optics, and Quantum Information” (Harvard, USA, 2004).
- International Workshop on “Quantum Systems out of Equilibrium” (Trieste, Italy, 2004).
- International Workshop on “Random Matrix Theory: Condensed Matter, Statistical Physics and Combinatorics” (Trieste, Italy, 2004).
- International Workshop on “Nanoscale Dynamics and Quantum Coherence” (Hamburg, Germany, 2004).
- School and Workshop on “Quantum Entanglement, Decoherence, Information, and Geometrical Phases in Complex Systems” (Trieste, Italy, 2004).
- International Workshop on “Aspects of Quantum Chaotic Scattering” (Dresden, Germany, 2005).
- International Meeting on “Mesoscopic Physics with Matter and Waves” (Orsay, France, 2005).
- 1st Capri Spring School on “Transport in Nanostructures” (Anacapri, Italy, 2005).
- Advanced Research Workshop on “Fundamentals of Electronic Nanosystems” (St. Petersburg, Russia, 2005).
- International School of Physics Enrico Fermi on “Quantum Computers, Algorithms and Chaos” (Varenna, Italy, 2005).
- European Research Conference on “Fundamental Problems of Mesoscopic Physics” (Acquafredda di Maratea, Italy, 2005).
- XI International Summer School on “Fundamental Problems in Statistical Physics” (Leuven, Belgium, 2005).
- 18th International Conference on “Noise and Fluctuations” (Salamanca, Spain, 2005).
- European Network Meeting on “Nanoscale Dynamics and Quantum Coherence” (Catania, Italy, 2005).
- Marie Curie Advanced Study Institute on “Quantum Optics and Quantum Computation” (Riomaggiore, Italy, 2006).
- International Workshop on “Dynamics of Relaxation in Complex Quantum and Classical Systems and Nanostructures” (Dresden, Germany, 2006).
- International School on “Fundamentals of Nanoelectronics” (Keszthely, Hungary, 2006).
- Symposium on “The Best of NanoScience” (Delft, 2006).
- Workshop on “Electronic Properties of Graphene” (Santa Barbara, USA, 2007).
- Lorentz Center workshop on “Graphene” (Leiden, The Netherlands, 2007).
- March Meeting of the American Physical Society (Denver, USA, 2007).
- A.I. Larkin Memorial Conference (Chernogolovka, Russia, 2007).
- Amsterdam Summer Workshop on “Low-D Quantum Condensed Matter” (Amsterdam, The Netherlands, 2007).
- International School on “Fundamentals of Nanoelectronics” (Portorož, Slovenia, 2007).
- Arnold Sommerfeld Summer School (Munich, Germany, 2007).
- Aspen Center Conference on “New Horizons in Condensed Matter Physics” (Aspen, USA, 2008).
- 4th Capri Spring School on “Transport in Nanostructures” (Anacapri, Italy, 2008).
- European Network Meeting on “Fundamentals of Nanoelectronics” (Bremen, Germany, 2008).
- Workshop on “Quantum Coherence and Controllability at the Mesoscale” (San Sebastián, Spain, 2008).
- Graphene Week 2008 (Trieste, Italy, 2008).
- 24th Solvay Conference in Physics on “Quantum Theory of Condensed Matter” (Brussels, Belgium, 2008).
- Symposium for the 80th anniversary of the Flanders Research Foundation (Brussels, Belgium, 2008).
- Workshop on “Quantum Spin Hall Effect and Topological Insulators” (Santa Barbara, USA, 2008).
- 20th International Conference on “Noise and Fluctuations” (Pisa, Italy, 2009).
- Mini-School on “Topological Insulators and Quantum Spin Hall effect” (Lyon, France, 2009).
- KITPC Program on “Progress in Graphene Research” (Beijing, China, 2010).
- Initial Training Network Meeting on “Nanoelectronics — Concepts, Theory and Modeling” (Bremen, Germany, 2010).
- Advanced Research Workshop on “Fundamentals of Electronic Nanosystems” (St. Petersburg, Russia, 2010).
- International Workshop on “Correlated Phenomena in Low-Dimensional Systems” (Dresden, Germany, 2010).
- NORDITA Conference on “Quantum Matter in Low Dimensions” (Stockholm, Sweden, 2010).
- Graphene International School (Cargèse, Corsica, 2010).
- Banff International Research Station workshop on “Topological Insulators and Superconductors” (Banff, Canada, 2011).
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- LT26 Satellite Conference on “Topological Insulators and Superconductors” (Beijing, China, 2011).
- Yukawa Institute Workshop on “Novel Quantum States in Condensed Matter” (Kyoto, Japan, 2011).
- Microsoft Station Q Meeting (Santa Barbara, USA, 2011).

- International Workshop and School on “Random Matrix Theory and Applications” (Bangalore, India, 2012).
- Symposium on “Topological Quantum Information” (Amsterdam, The Netherlands, 2012).
- International Physics School on “Fundamentals of Nanoelectronics” (Tenerife, Spain, 2012).
- Frühjahrstagung der Deutsche Physikalische Gesellschaft (Berlin, Germany, 2012).
- International Workshop on “Majorana Fermions, Non-Abelian Statistics and Topological Quantum Information Processing” (Trieste, Italy, 2012).
- European Network Meeting on “Thermo-electric transport” (Cargèse, Corsica, 2012).
- Winter School on “Understanding Electronic and Magnetic Correlations” (Saas-Fee, Switzerland, 2013).
- Banff International Research Station workshop on “Topological Phenomena in Quantum Dynamics and Disordered Systems” (Banff, Canada, 2013).
- March Meeting of the American Physical Society (Baltimore, USA, 2013).
- European Network Meeting on “Quantum Technology” (North Uist, Outer Hebrides, United Kingdom, 2013).
- International Workshop on “New Trends in Topological Insulators” (Sant Feliu de Guíxols, Spain, 2013).
- Chalmers School on “Nanoscience and Nanotechnology” (Marstrand Island, Sweden, 2013).
- Conference on “Majorana Physics in Condensed Matter” (Erice, Italy, 2013).
- European Network Meeting on “Nanoelectronics: Concepts, Theory and Modelling” (Wasowo, Poland, 2013).
- Institute for Advanced Study Conference on “Topological Matter, Superconductivity and Majorana” (Hong Kong, China, 2014).
- Royal Society meeting on “Emergence of New Exotic States at Interfaces with Superconductors” (Chicheley Hall, United Kingdom, 2014).
- International workshop on “Topology in the New Frontiers of Materials Science” (Tsukuba, Japan, 2014).
- 10th Capri Spring School on “Transport in Nanostructures” (Anacapri, Italy, 2014).
- General Scientific Meeting of the Belgian Physical Society (Leuven, Belgium, 2014).
- Nobel Symposium on “New forms of matter: topological insulators and superconductors” (Högberga Gård, Sweden, 2014).
- Workshop on “Materials for Quantum Technologies” (St. Andrews, United Kingdom, 2014).
- Israel Science Foundation Workshop on “Non-Hermitian random matrices: 50 years after Ginibre” (Yad Hashmona, Israel, 2014).
- Yukawa Institute Workshop on “Novel Quantum States in Condensed Matter” (Kyoto, Japan, 2014).
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- International Workshop on “Frontiers of topological quantum matter” (Stockholm, Sweden, 2017).
- International Workshop on “Topological matter meets quantum information” (Shanghai, China, 2017).
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- Jean-Louis Pichard memorial workshop (Saclay, France, 2018).
- XXII Training Course in the Physics of Strongly Correlated Systems (Vietri, Italy, 2018).
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- Summer School on “Quantum Information Machines” (Les Houches, France, 2019).
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- 21st International Winter School on “New Developments in Solid State Physics” (Mauterndorf, Austria, 2020).
- Simons Collaboration Meeting on “Localization of Waves” (online, 2020).
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- School on “Waves in Complex Media” (Les Houches, France, 2023).
- ICTP Summer School on “New Trends in Modern Quantum Science: from Novel Functional Materials to Quantum Technologies” (Bukhara, Uzbekistan, 2023).
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