Curriculum Vitae

Alexander Schenkel

Associate Professor in Mathematical Physics
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University Education

06/2008-10/2011 PhD Student, Department of Physics, University of Würzburg, Germany.
PhD Thesis in Mathematical Physics: "Noncommutative gravity and quantum field theory on noncommutative curved spacetimes" (summa cum laude)
Supervisor: Prof. Dr. Thorsten Ohl

10/2003-06/2008 Student of Physics, University of Würzburg, Germany.
Diploma Thesis: "Pseudo-local Dirac observables in effective theories of quantum gravity" (summa cum laude)
Supervisor: Prof. Dr. Thorsten Ohl

Research and Academic Positions

since 01/2026 Associate Professor in Mathematical Physics, Department of Mathematics, University of Trento, Italy.

10/2021-12/2025 Associate Professor in Mathematical Physics, School of Mathematical Sciences, University of Nottingham, UK.

08/2019-09/2021 Principal Research Fellow (equivalent to Associate Professor, but with a focus on research), School of Mathematical Sciences, University of Nottingham, UK.

10/2016-09/2024 Royal Society University Research Fellow, School of Mathematical Sciences, University of Nottingham, UK.

09/2016-07/2019 Assistant Professor in Mathematical Physics, School of Mathematical Sciences, University of Nottingham, UK.

04/2016-08/2016 Postdoctoral Position, Department of Mathematics, University of Regensburg, Germany. Member of the working group of Prof. Dr. Ulrich Bunke.

04/2014-03/2016 Postdoctoral Research Fellow, Department of Mathematics, Heriot-Watt University, Edinburgh, UK. Member of the Mathematical Physics Group.
Funded by a Research Fellowship of Deutsche Forschungsgemeinschaft (DFG).

09/2011-03/2014 Postdoctoral Position, Department of Mathematics, University of Wuppertal, Germany. Member of the working group of Prof. Dr. Hanno Gottschalk.

Awards, Grants and Fellowships

06/2025-06/2037 Abilitazione Scientifica Nazionale (ASN, Italian habilitation) for associate and for full professor in mathematical physics (01/A4).

10/2025-09/2028 EPSRC Standard Grant (UKRI1723) "Higher gauge theory and higher-dimensional integrability", joint with B. Vicedo (University of York)
Total Value: £633,041.00 ≈ 731,035.75 €
Purpose: Covered research expenses and two 24 months postdoctoral researchers.
Note: After moving to the University of Trento in January 2026, my role has changed from Co-Investigator to External Collaborator.

07/2023-09/2024 Royal Society Enhanced Research Expenses (RF\ERE\231077)
Value: £87,937.07 ≈ 105,465.13 €
Purpose: Covered expenses for a 12 months postdoctoral researcher at the University of Nottingham, UK.

12/2021-01/2023 Royal Society Research Fellows Enhanced Research Expenses (RF\ERE\210053)
Value: £100,376.80 ≈ 120,384.41 €
Purpose: Covered expenses for a 14 months postdoctoral researcher at the University of Nottingham, UK.

10/2021-09/2024 Royal Society University Research Fellowship Renewals (URF\R\211015)
Value: £325,879.13 ≈ 390,834.99 €
Purpose: Covered my salary and research expenses for a 3-year period at the University of Nottingham, UK.

03/2020-03/2022 Royal Society Enhancement Award (RGF\EA\201051)
Value: £14,100.00 ≈ 16,910.48 €
Purpose: Covered additional expenses for international collaborations for a 2-year period at the University of Nottingham, UK.

12/2017-03/2022 Royal Society Enhancement Award (RGF\EA\180270)
Value: £79,492.00 ≈ 95,336.74 €
Purpose: Covered expenses for a 4-year PhD student at the University of Nottingham, UK.

03/2017-09/2021 Royal Society Research Grant (RG160517)
Value: £81,312.00 ≈ 97,519.51 €
Purpose: Covered expenses for a 4-year PhD student at the University of Nottingham, UK.

10/2016-09/2021 Royal Society University Research Fellowship (UF150099)
Value: £391,518.76 ≈ 469,558.24 €
Purpose: Covered my salary and research expenses for a 5-year period at the University of Nottingham, UK.

04/2014-03/2016 Research Fellowship of Deutsche Forschungsgemeinschaft (DFG, Germany)
Purpose: Covered my salary and research expenses for a 2-year postdoctoral fellowship at Heriot-Watt University, Edinburgh, UK.
https://gepris.dfg.de/gepris/projekt/252118965

09/2012 Research in Pairs, Mathematisches Forschungsinstitut Oberwolfach (MFO)
Purpose: 2 weeks research collaboration with Thomas-Paul Hack.

01/2010 Short Visit Grant, ESF Activity "Quantum Geometry and Quantum Gravity"
Purpose: 2 weeks research collaboration with Paolo Aschieri at the University of Alessandria, Italy.

Postdocs and Students

Postdocs:

2022-2024 Alastair Grant-Stuart (University of Nottingham)
Funded by the Royal Society Grants RF\ERE\210053 and RF\ERE\231077

PhD students:

since 2022 Supervisor of James MacManus (University of Nottingham)
Working Title: "Lorentzian bordisms in functorial and algebraic QFT"

2022-2025 Co-supervisor of Cameron Kemp (University of Nottingham)
Thesis: "Derived geometry and higher quantum groups"
https://repository.nottingham.ac.uk/handle/123456789/51652

2018-2022 Supervisor of Hans Nguyen (University of Nottingham)
Thesis: "Dirac operators and Batalin-Vilkovisky quantisation in noncommutative geometry"
https://repository.nottingham.ac.uk/handle/123456789/57989

2018-2022 Supervisor of Marco Perin (University of Nottingham)
Thesis: "Categorical aspects of algebraic quantum field theory"
https://repository.nottingham.ac.uk/handle/123456789/59191

2017-2021 Supervisor of Simen Bruinsma (University of Nottingham)
Thesis: "Higher linear algebraic quantum field theory"
https://repository.nottingham.ac.uk/handle/123456789/59584

2011-2014 Co-supervisor of Marco Benini (University of Pavia)
Thesis: "Locality in Abelian gauge theories over globally hyperbolic spacetimes"
https://arxiv.org/pdf/1503.00131

MSc and MMath students:

2025 Supervisor of Aidan Smith (University of Nottingham)
Thesis: "Classical field theories as L_∞-algebras and the Higgs mechanism"

2024 Supervisor of Cameron Lee (University of Nottingham)
Thesis: "Feynman diagrams from homological algebra"

2021 Supervisor of James Mitton (University of Nottingham)
Thesis: "Boundaries and edge mode dynamics in $(2+1)$-dimensional gravity"

2020-2021 Supervisor of Zia Rehman (University of Nottingham)
Thesis: "Cohomological techniques for Abelian gauge theory"

2020-2021 Supervisor of Henry Taylor (University of Nottingham)
Thesis: "Deformation quantisation"

2020	Supervisor of Rory Whybrow (University of Nottingham) Thesis: "Boundary conditions and edge modes in gauge theories"
2019-2020	Supervisor of Cameron Bunney (University of Nottingham) Thesis: "Principal bundles, connections and gauge theory"
2019	Supervisor of Ferran de Palol Coma (University of Nottingham) Thesis: "Covariant phase space methods in field theory"
2018	Supervisor of Anant Saxena (University of Nottingham) Thesis: "Quantum field theory on spacetimes with time-like boundary"
2017	Supervisor of John Shade (University of Nottingham) Thesis: "Noncommutative differential geometry of Yetter-Drinfeld module algebras"
2015-2016	Co-supervisor of Angelo Cuzzola (University of Bologna) Thesis: "Aspects of supergeometry in locally covariant quantum field theory"

Project students:

2024	Supervisor of Tomás Fernández Pra Baldi (ENS Lyon) Internship Project: "The derived critical locus of the Yang-Mills equation on a 2 dimensional lattice" Publication: https://arxiv.org/abs/2409.06873
2024	Supervisor of Thomas Bacon (University of Nottingham) Internship Project: "Homological algebra of lattice wave equations"
2023	Supervisor of Martin Ray (University of Nottingham) Internship Project: "Homological algebra of wave equations"
2022	Supervisor of Thomas Richardson (University of Nottingham) Internship Project: "De Rham cohomology with holomorphic boundary conditions"
2019-2020	Supervisor of Solveig Wittig (University of Würzburg) Erasmus+ Project: "Higher structures in quantum field theory"
2019	Supervisor of Samuel Hannah (University of Nottingham) Internship Project: "Singularity theorems in general relativity"

Teaching

At the University of Trento:

02/2026-06/2026	Fondamenti di Fisica Matematica I Details: Year 2 course for mathematics students; 84 hours of lectures and problem classes; assessment via written and oral exams; approximately 90 participants.

At the University of Nottingham:

10/2025-12/2025	Mathematics for Chemistry 1 Details: Year 1 module for chemistry students; 22 hours of lectures and 10 hours of problem classes; assessment via 2 pieces of marked coursework and 1 final exam; approximately 45 participants.

10/2025-12/2025 Quantum Field Theory (only Autumn semester)

Details: Year 4 module for mathematics and physics students; 22 hours of lectures; assessment via 2 pieces of marked coursework; approximately 30 participants; lecture notes prepared in pdf and html.

09/2024-05/2025 Quantum Field Theory

Details: Year 4 module for mathematics and physics students; 32 hours of lectures and 20 hours of student presentations; assessment via 4 pieces of marked coursework and 1 marked student presentation; approximately 30 participants; lecture notes prepared in pdf and html.

09/2023-05/2024 Quantum Field Theory

Details: Year 4 module for mathematics and physics students; 32 hours of lectures and 20 hours of student presentations; assessment via 4 pieces of marked coursework and 1 marked student presentation; approximately 30 participants; lecture notes prepared in pdf and html.

09/2022-05/2023 Quantum Field Theory

Details: Year 4 module for mathematics and physics students; 32 hours of lectures and 20 hours of student presentations; assessment via 4 pieces of marked coursework and 1 marked student presentation; approximately 30 participants; lecture notes prepared in pdf and html.

01/2022-05/2022 Relativity

Details: Year 3 module for mathematics and physics students; 34 hours of lectures and 10 hours of problem classes; assessment via 1 written exam; approximately 50 participants; lecture notes prepared in pdf.

01/2021-05/2021 Relativity

Details: Year 3 module for mathematics and physics students; 34 hours of lectures and 10 hours of problem classes; assessment via 1 written exam; approximately 50 participants; lecture notes prepared in pdf.

01/2020-05/2020 Relativity

Details: Year 3 module for mathematics and physics students; 34 hours of lectures and 10 hours of problem classes; assessment via 1 written exam; approximately 50 participants; lecture notes prepared in pdf.

01/2019-05/2019 Relativity

Details: Year 3 module for mathematics and physics students; 34 hours of lectures and 10 hours of problem classes; assessment via 1 written exam; approximately 50 participants; lecture notes prepared in pdf.

01/2018-05/2018 Relativity

Details: Year 3 module for mathematics and physics students; 34 hours of lectures and 10 hours of problem classes; assessment via 1 written exam; approximately 50 participants; lecture notes prepared in pdf.

01/2017-05/2017 Relativity

Details: Year 3 module for mathematics and physics students; 34 hours of lectures and 10 hours of problem classes; assessment via 1 written exam; approximately 50 participants; lecture notes prepared in pdf.

At the University of Regensburg:

04/2016-07/2016 Mathematical aspects of quantum field theory

Details: Specialized lectures for PhD students and researchers; 24 hours of lectures; approximately 10 participants; no assessment; handwritten lecture notes.

04/2016-07/2016 Probability theory

Details: Organization of the tutorials and problem sheets; 24 hours of problem classes; approximately 20 participants.

At the University of Wuppertal:

10/2013-02/2014 Geometric aspects of supergravity and string theory

Details: Specialized lectures for MSc students; 24 hours of lectures; approximately 5 participants; no assessment; handwritten lecture notes.

10/2013-02/2014 Stochastics and probability theory

Details: Organization of the tutorials and problem sheets; 24 hours of problem classes; approximately 20 participants.

04/2013-07/2013 Applied statistics

Details: Organization of the tutorials and problem sheets; 24 hours of problem classes; approximately 20 participants.

04/2013-07/2013 $\mathbb{Z}_2$-graded algebra and supergeometry

Details: Specialized lectures for MSc students; 24 hours of lectures; approximately 5 participants; no assessment; handwritten lecture notes.

10/2012-02/2013 Stochastics and probability theory

Details: Organization of the tutorials and problem sheets; 48 hours of problem classes; approximately 40 participants.

04/2012-07/2012 Partial differential equations

Details: Specialized lectures for MSc students; 48 hours of lectures; approximately 5 participants; assessment via oral exam; handwritten lecture notes.

10/2011-02/2012 Stochastics and probability theory

Details: Organization of the tutorials and problem sheets; 48 hours of problem classes; approximately 40 participants.

Teaching Assistance at the University of Würzburg:

10/2010-02/2011 Theoretical Mechanics

10/2009-12/2009 Theoretical Electrodynamics

10/2008-02/2009 Statistical Physics

04/2008-07/2008 Quantum Mechanics

10/2007-02/2008 Theoretical Electrodynamics

Administrative Duties

- ▷ Course director for the Gravity, Particles and Fields MSc, School of Mathematical Sciences, University of Nottingham, UK (10/2024-12/2025).
- ▷ Member of the Royal Society's International Exchanges Panel, UK (01/2019-12/2024).
- ▷ Grant proposal reviewer for various councils, including: Engineering and Physical Sciences Research Council (EPSRC, UK); Royal Society (UK); Marie Sklodowska Curie Actions (EU); German Research Foundation (DFG, Germany); Alexander von Humboldt Foundation (AvH, Germany); German Academic Exchange Service (DAAD, Germany); Canada Research Chairs (CRC, Canada); Netherlands Organisation for Scientific Research (NWO, Netherlands); Czech Science Foundation (Czech Republic); National Science Centre (NCN, Poland).
- ▷ Referee for various journals, including: Communications in Mathematical Physics; Annales Henri Poincaré; Letters in Mathematical Physics; Reviews in Mathematical Physics; Journal of Mathematical Physics; Journal of Noncommutative Geometry; Mathematical Physics, Analysis and Geometry.
- ▷ Referee for book publishers: Springer; World Scientific Publishing Co.

Workshop Organization

01/2024	Organizer of the 7th AQFTUK meeting, University of Nottingham, UK.
09/2022	Organizer of the 4th AQFTUK meeting, University of Nottingham, UK.
12/2016	Organizer of the Mini-Workshop: New interactions between homotopical algebra and quantum field theory, Mathematisches Forschungsinstitut Oberwolfach (MFO), Germany. (With M. Benini, K. Rejzner and C. Schweigert.)
05/2013	Organizer of the 32nd Workshop: Foundations and Constructive Aspects of QFT, University of Wuppertal, Germany. (With H. Gottschalk.)

Invited Conference and Workshop Talks

06/2026	"Global derived geometry of lattice gauge fields" at Higher Structures in Pavia, Pavia.
07/2025	"C^*-categorical prefactorization algebras for superselection sectors and topological order" at Quantum Field Theory and Topological Phases via Homotopy Theory and Operator Algebras, MPIM Bonn and CMSA Harvard.
06/2025	"Haag-Kastler stacks" at the 10th AQFTUK Meeting, Cardiff.
03/2023	"Quantum field theories on Lorentzian manifolds" at Geometric/Topological Quantum Field Theories and Cobordisms 2023, NYU Abu Dhabi.
11/2022	"Derived algebraic geometry in mathematical physics" at Interactions and Applications of Homotopical Algebra and Geometry, Luxembourg.
07/2022	"BV and BFV formalism beyond perturbation theory" at the 3rd AQFTUK Meeting, York.

07/2019 "Higher structures in algebraic quantum field theory" at Mathematics of interacting QFT models, York.

06/2019 "Factorization Algebras vs Algebraic QFT" at NBMPS 56, York.

08/2018 "Higher structures in algebraic quantum field theory" at Higher Structures in M-Theory, LMS–EPSRC Durham Symposium.

06/2018 "Homotopical algebraic quantum field theory" at Algebraic Quantum Field Theory: Where Operator Algebra meets Microlocal Analysis, Cortona.

12/2017 "From Fredenhagen's universal algebra to homotopy theory and operads" at Quantum Physics meets Mathematics – A workshop on the occasion of Klaus Fredenhagen's 70th birthday, Hamburg.

09/2017 "The stack of Yang-Mills fields" at Modern Mathematics of Quantum Theory, York.

07/2017 "Towards homotopical algebraic quantum field theory" at Higher Structures Lisbon 2017, Instituto Superior Técnico, Lisbon.

05/2017 "Towards homotopical algebraic quantum field theory" at Foundational and structural aspects of gauge theories, MITP Mainz.

04/2017 "Homotopy Theory + AQFT = Quantum Gauge Theory?" at Quantum Field Theory: Concepts, Constructions & Curved Spacetimes, York.

05/2016 "Mapping spaces and automorphism groups of toric noncommutative spaces" at the Workshop on Quantum spacetime structures: Dualities and new geometries, Bayrischzell.

06/2015 "Nonassociative geometry in quasi-Hopf representation categories" in the Special Session on Algebraic and Categorical Aspects of Hopf Algebras at the AMS–EMS–SMP Meeting 2015, Porto.

09/2014 "On the problem of gauge theories in locally covariant QFT" at the Workshop on Operator and Geometric Analysis on Quantum Theory, Levico Terme.

05/2014 "Abelian quantum gauge theories via differential cohomology" at the Workshop on Algebraic quantum field theory: its status and its future, Erwin Schrödinger International Institute for Mathematical Physics (ESI), Vienna.

07/2013 "Quantized Abelian principal connections on Lorentzian manifolds" at the Mini-Workshop: New Crossroads between Mathematics and Field Theory, Mathematisches Forschungsinstitut Oberwolfach (MFO).

09/2012 "Quantum field theory on affine bundles" at the Workshop: Algebraic Quantum Field Theory and Local Symmetries, Hausdorff Research Institute for Mathematics (HIM) Bonn.

06/2012 "Product module homomorphisms and connections in twist deformed NC geometry" at the Workshop on Gauge Theory and Noncommutative Geometry, Luxembourg.

09/2011 "Twist deformations of module homomorphisms and connections" at the Workshop on Noncommutative Field Theory and Gravity, Corfu.

09/2010 "Quantum field theory on NC curved spacetimes" at the Workshop: Deformation Methods in Mathematics and Physics, Mathematisches Forschungsinstitut Oberwolfach (MFO).

05/2010 "Field theory on curved NC spacetimes" at the Workshop on Noncommutativity and Physics: Spacetime Quantum Geometry, Bayrischzell.

05/2009 "Noncommutative symmetry reduction: Backgrounds and quantum fields" at the Workshop on Noncommutativity and physics: Quantum Geometries and Gravity, Bayrischzell.

Invited Lectures

03/2023 Interactions between Poisson Geometry and Quantisation, University of Göttingen, Germany.
Title: "Higher structures and quantization"
Details: 4 one-hour lectures for PhD students and researchers.

09/2020 Higher Structures and Field Theory, Erwin Schrödinger Institute, Austria.
Title: "Higher structures in algebraic quantum field theory"
Details: 3 one-hour lectures for PhD students and researchers.

02/2013 NIMS Winter School for Quantum Gravity and Cosmology, Daejeon, South Korea.
Title: "Noncommutative geometry and gravity"
Details: 4 one-hour lectures for PhD students and researchers.

Invited Seminar Talks

06/2026 "Integrable field theories in two and higher dimensions", Mathematical Physics Seminar, University of Vienna.

07/2025 "C^*-categorical prefactorization algebras for superselection sectors and topological order", Seminar on Mathematical Physics and Operator Algebras, Friedrich-Alexander-Universität, Erlangen-Nürnberg.

05/2025 "5d semi-holomorphic higher Chern-Simons theory and 3d integrable field theories", Shing-Tung Yau Center of Southeast University.

04/2024 "Quantum field theory on Lorentzian manifolds", Edinburgh Mathematical Physics Group Seminar.

03/2024 "On Møller maps and gauge symmetries", Mathematical Physics Seminar, University of York.

11/2023 "Quantum field theories on Lorentzian manifolds", Topology Seminar, University of Oxford.

09/2023 "Bordisms in algebraic quantum field theory", Mathematics Seminar, University of Genova.

04/2023 "Derived algebraic geometry in mathematical physics", Séminaire de Physique Mathématique, Institut Camille Jordan, Lyon.

05/2022 "Quantization of derived cotangent stacks", Quantum Algebra Seminar, Queen Mary University of London.

04/2022 "BV and BFV formalism beyond perturbation theory", Mathematical Physics Seminar, University of Hertfordshire.

03/2022 "An AQFT perspective on quantum gauge theories", Topology and Geometry Seminar, Texas Tech University.

01/2022 "On the time-slice axiom in 2d conformal AQFT", Mathematical Physics Seminar, University of York.

01/2021 "Boundary conditions and edge modes in gauge theories", Institute of Mathematics of the Czech Academy of Sciences.

01/2020 "2-algebraic quantum field theory", Mathematical Physics Seminar, University of York.

10/2019 "Higher categorical structures in algebraic quantum field theory", Topology Seminar, University of Sheffield.

09/2019 "Boundaries and edge modes in gauge theories", London Relativity and Cosmology Seminar, Queen Mary University of London.

09/2019 "Boundaries and edge modes in gauge theories", Mathematics Seminar, University of Genova.

05/2019 "Higher structures in algebraic quantum field theory", Quantum Algebra Seminar, Queen Mary University of London.

04/2019 "An introduction to algebraic quantum field theory" & "Higher structures in algebraic quantum field theory", Topology Seminar, Notre Dame University.

04/2018 "Homotopical algebraic quantum field theory", Quantum Field Theory Seminar, University of Oxford.

04/2018 "Homotopical algebraic quantum field theory", Pure Mathematics Colloquium, University of Hamburg.

11/2017 "Homotopical algebraic quantum field theory", Séminaire de Physique Mathématique, Institut Camille Jordan, Lyon.

10/2017 "The stack of Yang-Mills fields", Fields, Strings and Geometry Seminar, University of Surrey.

11/2016 "Mapping spaces and automorphism groups in toric NC geometry", Algebra and Topology Seminar, Swansea University.

10/2016 "Towards homotopical algebraic quantum field theory", Geometry, Algebra, Mathematical Physics & Topology Seminar, Cardiff University.

01/2016 "Abelian S-duality: An algebraic perspective", Mathematical Physics Seminar, University of York.

07/2015 "On gauge theories in LCQFT and why we need more homotopical algebra", Seminar on Quantum Field Theory, Gravitation, and Elementary Particles, University of Leipzig.

04/2015 "Gauge theories in locally covariant quantum field theory", Mathematics Seminar, University of Regensburg.

04/2015 "Gauge theories in locally covariant quantum field theory", Mathematical Physics Seminar, University of Würzburg.

04/2015 "Gauge theories in locally covariant quantum field theory", Mathematical Physics Seminar, University of York.

01/2015 "Supergeometry in locally covariant quantum field theory", Mathematics Seminar, University of Genova.

05/2014 "Differential cohomology and locally covariant quantum field theory", Differential Geometry Seminar, University of Potsdam.

12/2013 "The inhomogeneous Klein-Gordon field: A new standard model for LCQFT", Mathematical Physics Seminar, University of Pavia.

10/2013 "Algebraic quantum field theory and gauge theory", Mathematics Seminar, Charles University Prague.

09/2013 "Topological aspects of Abelian gauge theories in algebraic quantum field theory", Mathematical Physics Seminar, University of York.

04/2013 "Quantized Abelian principal connections on Lorentzian manifolds", Differential Geometry Seminar, University of Potsdam.

02/2013 "Category theoretical description of matter and gauge QFTs", Center for Quantum Spacetime (CQUeST) Seminar, Seoul.

03/2012 "Parallel transport on modules and application to fuzzy gauge theory", Edinburgh Mathematical Physics Group Seminar.

11/2011 "The Maxwell field on curved spacetimes: A projective module approach", Algebraic Quantum Field Theory Seminar, University of Hamburg.

01/2011 "Quantum field theory on noncommutative curved spacetimes", Center for Quantum Spacetime (CQUeST) Seminar, Seoul.

11/2010 "QFT on noncommutative curved spacetimes", Algebraic Quantum Field Theory Seminar, University of Hamburg.

02/2010 "Algebraic approach to quantum field theory on noncommutative curved spacetimes", Mathematical Physics Seminar, University of Vienna.

01/2010 "Algebraic approach to quantum field theory on noncommutative curved spacetimes", Mathematical Physics Seminar, University of Alessandria.

Public Outreach

11/2024 Appeared on the YouTube channel SpaceTyme of one of Nottingham's MSc students for a discussion about quantum field theory and mathematical physics.

07/2023 Lectures at the LMS Undergraduate Summer School, 16-28 July 2023, University of Sheffield, UK.

Title: "Interactions between algebra, geometry and quantum theory"
Details: 5 lectures and 2 exercise classes for undergraduate students.

07/2019	Lecture at the Sutton Trust Summer School, 22-25 July 2019, University of Nottingham, UK. Title: "The homophonic group ... and a short introduction to group theory" Details: One hour lecture for year 12 school students interested in mathematics.
2008-2011	Co-organization of open days for school students, teachers and the science interested public at the Department of Physics, University of Würzburg, Germany.

Trento, June 30, 2026