CURRICULUM VITAE as of October 15, 2025

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Nationality: German
Date and Place of Birth: 07.10.1966 in Heidelberg, Germany

Positions:

2008 –	Full Professor of mathematics (W3), Universität Hamburg, Germany
2007	Offer full professorship for Geometry, University of Göttingen (declined)
2003 – 2008	Full Professor of mathematics (C4), Universität Hamburg, Germany
2002 – 2003	Professor of physics (C3), RWTH Aachen, Germany
2002	Offer tenured associate professorship, mathematics department of UC Davis (declined)
1999 – 2002	Lecturer at the Université Pierre et Marie Curie, Paris VI
1999 – 1999	Senior research associate at the Institute for Theoretical Physics, ETH Zürich, Switzerland
1997 – 1998	Fellow at the Theory Division of CERN, Geneva, Switzerland
1995 – 1996	Postdoctoral research fellow at the Institut des Hautes Études Scientifiques (IHES), Bures-sur-Yvette, France
1986 – 1987	Military Service

Education:

2000	*University of Paris VI, France,* "Habilitation à Diriger des Recherches"
1995	*University of Amsterdam, Amsterdam, The Netherlands,* Ph.D. in mathematics, Thesis advisors: R.H. Dijkgraaf and J. Fuchs Thesis: "Galois and simple current symmetries in conformal field theory"
1992 – 1995	Ph.D. Research at NIKHEF, Amsterdam
1992	*University of Heidelberg, Heidelberg, Germany,* Diplom (M.Sc.) in Physics, Thesis advisor: M. G. Schmidt Thesis (in German): "Zur Kazama-Suzuki Konstruktion superkonformer Quantenfeldtheorien"
1987 – 1992	*University of Heidelberg, Heidelberg, Germany* Studies in Physics and Mathematics
1977 – 1986	Kurfürst-Friedrich-Gymnasium Heidelberg, Germany
1973 – 1977	Grundschule Heidelberg-Ziegelhausen, Germany (Primary School)

Research Appointments:

April – June 2005:	ETH Zürich
February 2005:	Université Pierre et Marie Curie, Paris 6
September 2003:	Université Pierre et Marie Curie, Paris 6
February 2002:	Max-Planck-Institute for gravitational physics, Potsdam, Germany
April 2001 – May 2001:	Institute for Mathematics, University of Cologne, Germany
April 2000:	Participating Guest at LBNL Berkeley, CA, USA
February 1999 – April 1999:	Participating Guest at UC Berkeley, CA, USA
October 1996 – December 1996:	Participating Guest at LBNL Berkeley, CA, USA
September 1995:	Visiting Scientist at CERN, Geneva, Switzerland

Special Activities:

March 2026	Coorganizer of the workshop *"Higher Structures from Symmetries "in Quantum Field Theory"*, MFO Oberwolfach
October 2025	Coorganizer of the program *"CFT: Algebraic, Topological and probabilistic approaches in Conformal Field Theory"* at Institut Pascal, Orsay, France
September 2025	Coorganizer of the summer school *"Higher structures and their applications"* and the workshop *"Higher structures: Recent developments and applications"* of the CRC 1624, Hamburg
March 2025	Coorganizer of the opening colloquium of the CRC 1624, Hamburg
March 2024	Coorganizer of the workshop *"New directions in conformal field theory"* Hamburg and Fields Institute, Toronto
November 2023	Coorganizer of the Theoretical Physics Colloquium in honour of Edward Witten, Hamburg
June 2023	Coorganizer of the Hausdorff school *"TQFTs and their connections to representation theory and mathematical physics"*, Bonn
November 2021	Coorganizer of the workshop *"Quantum Field Theories and Quantum Topology Beyond Semisimplicity"* at BIRS, Banff, Canada
February 2021	Coorganizer of the mini-workshop *"Non-semisimple Tensor Categories and Their Semisimplification"* at MFO Oberwolfach
February 2020	Coorganizer of the concluding colloquium of the Research Training Group 1670
August 2019	Coorganizer of the summer school *"Algebraic Structures in Quantum Field Theory"*, Hamburg
February 2018	Coorganizer of the workshop *"Meeting on non-semisimple TFT and logarithmic CFT"*, Hamburg
December 2017	Coorganizer of the workshop *"Quantum Physics meets Mathematics - a worksho on the occasion of Klaus Fredenhagen's 70th birthday"*, Hamburg
July 2017	Coorganizer of the conference *"Stringmath 2017"* Hamburg
July 2017	Coorganizer of the summer school *"Pre-StringMath Summer School"* Hamburg
June 2017	Coorganizer of the workshop *"Lessons from conformal field theory"* Hamburg
December 2016	Coorganizer of the mini-workshop *"New interactions between homotopical algebr and quantum field theory"* at MFO Oberwolfach
September 2016	Coorganizer of the workshop *"Local quantum physics and beyond"* in memoriam Rudolf Haag, Hamburg, Germany
February 2015	Coorganizer of the workshop *Infinite-dimensional Structures in Higher Geometry and Representation Theory"* Hamburg, Germany
August 2014	Coorganizer of the summer school *"Conformal field thery and Nichols algebras"* Rauischholzhausen, Germany
February/March 2014	Coorganizer of the workshop *"Modern Trends in topological field theory"* ESI, Vienna

March 2014	Coorganizer of the annual conference of the research priority area SPP 1388 *Representation theory*, Soltau, Germany
March 2014	Coorganizer of the workshop *" Structures on Tensor Categories and Topological Field Theories"*, Erlangen, Germany
September 2013	Coorganizer of the workshop *"Matrix Factorizations in Algebra, Geometry and Physics"*. Oberwolfach, September 2013
February 2013	Coorganizer of the workshop *"Field theories with defects"* Hamburg, February 2013
September 2012	Coorganizer of the workshop *"From Poisson to string geometry"* Erlangen, September 2012
August 2011	Coorganizer of the workshop *"New perspectives in topological field theories"* Hamburg, August 2012
August 2012	Coorganizer of a parallel session at the *"XIX International Colloquium on Group-Theoretical Methods in Physics"*, August 2012 Tianjin, China
October 2011	Coorganizer of the Workshop *"Representation Theoretical and Categorical Structures in Quantum Geometry and Conformal Field Theory"*, Erlangen
Juni 2011	Coorganizer of the Workshop *"Conformal field theories and tensor categories"* at the Bejing International Center for Mathematical Research (BICMR)
Juni 2011	Colloquium on the occasion of Ernst Witt's 100th birthday, Hamburg
Mai 2011	Workshop *"Higher Structures in Topology and Geometry V"*, Hamburg
June 2010	Coorganizer of the workshop *"Geometry, quantum fields and strings"* at MFO Oberwolfach
July 2008	Coorganizer of the conference *"Noncommutative Structures in Mathematics and Physics"*, satellite conference to the 5th ECM in Brussels
July 2008	Coorganizer of the Minisymposium *"Representation Theoretic Methods and Quantization"* at the 5th ECM in Amsterdam
April 2007	Organizer of the "Arbeitsgemeinschaft" at Oberwolfach on *"Conformal Field Theory"*
November 2006	Coorganizer of the Colloquium *"Kähler Geometry and Mathematical Physics"* in Hamburg
October 2006	Coorganizer of the opening colloquium of the Center of Mathematical Physics, Hamburg
August 2005	Coorganizer of the Oberwolfach-Miniworkshop *"Gerbes, twisted K-theory and conformal field theory"*
April 2005	Coorganizer of the Workshop: *"Lessons from low dimensions - the many aspects of conformal field theory"* at the University of Bonn
February 2005	Coorganizer of the Workshop: *"Geometric aspects of conformal field theory"*
Spring 2004	Coorganizer of the programm *"Tensor categories in mathematics and physics"* at the Erwin-Schrödinger-Institut in Vienna
September 2003	Coorganizer of the colloquium in memoriam Peter Slodowy
September 2000	Coorganizer of the workshop *"Modularization of premodular categories"* on the Ile Bailleron, France
September 1998	Coorganizer of the workshop *"Conformal field theory of D-branes"* at DESY, Hamburg, Germany.
March 1997	Coorganizer of the workshop *"Verlinde formula and conformal blocks"* at the 'Mathematisches Forschungsinstitut Oberwolfach', Germany

Editorship:

2017 –	"Communications in mathematical physics"
2009 –	"Letters in mathematical physics"
2006 –	"Journal of mathematical physics"
2006 – 2021	"Communications in Contemporary Mathematics"
2005 –	Series "Algebra and applications" (Springer)
2003 –	Abhandlungen aus dem mathematischen Seminar der Universität Hamburg

Fellowships and Prizes:

2021	Scout for Henriette Herz fellowships of the Humboldt foundation
2012	Prize for Mentorship of the Claussen-Simon-Foundation
2007	Gay-Lussac research prize of the French ministry of higher education
1992 - 1995	German National Merit Foundation (Studienstiftung des deutschen Volkes): Grant for PhD research
1987 - 1992	German National Merit Foundation: Fellow
January 1987	National Laureate of the German Federal Competition in Mathematics (Bundeswettbewerb Mathematik)
September 1985	*Prix Strasbourg* of the Foundation FVS, Hamburg

Outreach:

2022	Public talk "*Monster, Mondschein und Strings*" at Museum der Arbeit
2016/2017	Seminar series for the German National Merit Foundation on mathematical physics (March 2016, October 2016, March 2016, with Konrad Waldorf)
13.09.2016	Talk at Junge DPG *"What is and why do we do mathematical physics?"*
10.11.2015	Public talk in the colloquium on mathematical modelling *"Topologial field theory: from categorified representation theory to quantum codes"*
07.11.2015	Public talk at the Night of Science *"Computing with braids"*
24.11.2011	Host at the annual Network meeting of the Alexander von Humbodt Foundation
28.11.2008	Public talk at the Science Forum Hamburg at the National Year of Mathematics *"Zwischen reiner Erkenntnis und Anwendungspraxis: ist die Mathematik eine Geisteswissenschaft?"*
07.08.2008	Mitwirkung in der Radiosendung von Peter Zaun im Deutschlandradio Kultur *"Alles ist Super – Mit Supersymmetrie, Superstrings und Supermathematik in neue Welten"*
23.02.2008	Interview im Abendjournal Spezial NDR 90,3 *"Verborgene Zahlen - wie Mathematik unser Leben beherrscht"*
16-18.02.2001	Leitung einer Arbeitsgruppe beim Stipendiaten-Treffen der Studienstiftung in Paris "*Deutsch-Französische Zukunftsvisionen: Mathematik und Naturwissenschaften*

Teaching

1992 – 1993	Teaching assistant at the Institute for Theoretical Physics of the University of Heidelberg
First term 1997/98	*"Conformal Field Theory"* LMU Munich
First term 1998/99	*"Boundary conditions and D-branes"* ETH Zurich
Second term 1998/99	*"Superstring Theory"* ETH Zurich
First term 1999/00	*"Advanced quantum mechanics"* École Doctorale de physique de la région parisienne *"Physics for mathematicians I"* University Pierre et Marie Curie, Paris VI
Second term 1999/00	*"Physics for mathematicians II"* University Pierre et Marie Curie, Paris VI
First term 2000/01	*"Advanced quantum mechanics"* *"Conformal Field theory for superstrings"* École Doctorale de physique de la région parisienne *"Physics for medical students I"* *"Physics for mathematicians I"* University Pierre et Marie Curie, Paris VI
Academic year 2001/02	*"Advanced quantum mechanics"* École Doctorale de physique de la région parisienne *"Physics for medical students I"* University Pierre et Marie Curie, Paris VI
First term 2002/03	Lecture *"Symmetries in quantum physics"* RWTH Aachen, including tutorials
Second term 2003	Lecture *"Algebra 1"*, including tutorials Seminar *"Quantum physics and geometry"* University of Hamburg
First term 2003/04	Lecture *"Algebra 2"*, including tutorials Lecture *"Lie Algebras* Seminar *"Quantum physics and geometry"* University of Hamburg
Second term 2004	Lecture *"Quantum groups and tensor categories"*, Seminar *"Homological Algebra"* Seminar *"Quantum physics and geometry"* University of Hamburg
First term 2004/05	Lecture *"Algebraic number theory"*, including tutorials Seminar *"Reflection groups"* Seminar *"Quantum physics and geometry"* University of Hamburg
Second term 2005	Sabbatical
First term 2005/06	Lecture *"Linear Algebra I"*, including tutorials Seminar *"Representation theory"* Seminar for teacher students Seminar *"Quantum physics and geometry"* University of Hamburg

Second term 2006	Lecture *"Linear Algebra II"* including tutorials Seminar *"Algebraic Geometry"* Seminar *"Quantum physics and geometry"*
First term 2006/07	MAPLE for mathematicians Proseminar *"Linear Algebra"* Seminar *"Lie Algebras"* Seminar for teacher students Seminar *"Quantum physics and geometry"*
Second term 2007	Lecture *"Mathematical structures in physics"* Seminar *"Algebraic structures in quantum field theory"* Seminar *"Quantum physics and geometry"*
First term 2007/08	Lecture *"Linear Algebra I"*, including tutorials MAPLE for mathematicians Seminar *"Representations of finite groups"* Seminar for teacher students Seminar *"Quantum physics and geometry"*
Second term 2008	Lecture *"Linear Algebra II"* including tutorials Colloquium in Pure Mathematics Seminar *"Quantum physics and geometry"* University of Hamburg
First term 2008/09	Lecture *"Algebra II"*, including tutorials MAPLE for mathematicians Seminar *"Quantum physics and geometry"* Colloquium in Pure Mathematics
Second term 2009	Sabbatical
First term 2009/10	Lecture *"Complex calculus I"*, including tutorials Lecture *"Mathematical structures in physics"*, including tutorials Seminar *"Quantum physics and geometry"*
Second term 20010	Sabbatical
First term 2010/11	Lecture *"Advanced Algebra"*: Representation theory and homological algebra, including tutorials Seminar *"Associative Algebras"* Research seminar *"Mathematical physics"* Seminar *"Quantum physics and geometry"*
Second term 2011	Lecture *"Advanced Complex calculus"*: Modular forms and Riemann surfaces, including tutorials Lecture *Homological Algebra and applications* Research seminar *"Mathematical physics"* Seminar *"Quantum physics and geometry"*
First term 2011/12	Lecture *"Mathematical structures in physics"*, including tutorials Seminar *"Function fields and Codes"* Seminar *"Quantum physics and geometry"*
Second term 2012	Sabbatical

First term 2012/13	Lecture *"Mathematics for physicists I*
	Lecture *"Hopf algebras, quantum groups and topological field theory"*
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
Second term 2013	Lecture *"Mathematics for physicists II*
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
First term 2013/14	Lecture *"Mathematics for physicists III*
	Lecture *"Introduction to conformal field theory"*
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
Second term 2014	Lecture *"Mathematics for physicists IV*
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
First term 2014/15	Lecture *"Hopf algebras,quantum groups and topological field theory*
	Lecture *"Advanced Algebra"*: Representation theory and homological algebra,
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
Second term 2015	Sabbatical
First term 2015/16	Lecture *"Topology"*
	Seminar *"Quantum physics and geometry"*
	Seminar *"Presentation of scientific results"*
	Research seminar *"Mathematical physics"*
Second term 2016	Lecture *"Algebraic topology"*, including tutorials
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
First term 2016/17	Lecture *"Algebra"*, including tutorials
	Lecture *"Homotopical algebra and higher categories"*
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
Second term 2017	Lecture *"Advanced Algebra"*: Representation theory and homological algebra,
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
First term 2017/18	Lecture *"Topology"*
	Seminar *"Quantum physics and geometry"*
	Seminar *"Presentation of scientific results"*
	Research seminar *"Mathematical physics"*
Second term 2018	Lecture *"Algebraic topology"*, including tutorials
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*
First term 2018/19	Lecture *"Linear algebra I"*, including tutorials
	Seminar *"Quantum physics and geometry"*
	Research seminar *"Mathematical physics"*

Second term 2019	Lecture *"Linear algebra II"*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
First term 2019/20	Lecture *"Hopf algebras,quantum groups and topological field theory*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
Second term 2020	Sabbatical
First term 2020/21	Lecture *"Topology"* Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
Second term 2021	Research seminar *"Mathematical physics"*
First term 2021/22	Lecture *"Linear algebra I"*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
Second term 2022	Lecture *"Linear algebra II"*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
First term 2022/23	Lecture *"Hopf algebras,quantum groups and topological field theory*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
Second term 2023	Lecture *"Advanced Algebra"*: Representation theory and homological algebra, Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
First term 2023/24	Lecture *"Mathematics 3 for teachers in secondary school*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
Second term 2024	Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
First term 2024/25	Sabbatical
Second term 2025	Lecture *"Hopf algebras,quantum groups and topological field theory*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*
First term 2025/26	Lecture *"Linear algebra I"*, including tutorials Seminar *"Quantum physics and geometry"* Research seminar *"Mathematical physics"*

Supervision:

Habilitations:
Simon Lentner (University of Hamburg, 2025)
Ehud Meir (University of Hamburg, 2018)
Ingo Runkel (University of Hamburg, 2005)
Urs Schreiber (University of Hamburg, 2011)
Christoph Wockel (University of Hamburg, 2018)

PhD:
Till Barmeier (University of Hamburg, 2010)
Alexander Barvels (University of Hamburg, 2014)
Lukas Buhné (University of Hamburg, 2015)
Pedro Maria da Costa Santos Bordalo (Université Pierre et Marie Curie, Paris VI, 2004)
Julian Farnsteiner (University of Hamburg, 2023)
Jan Hesse (University of Hamburg, 2017)
David Jaklitsch (University of Hamburg, 2023)
Vincent Koppen (University of Hamburg, 2020)
Jennifer Maier (University of Hamburg, 2011)
Svea Mierach (with Y. Sommerhäuser, Memorial University and University of Hamburg, 2020)
Daniel Nett (University of Hamburg, 2015)
Thomas Nikolaus (University of Hamburg, 2011)
Tobias Ohrmann (University of Hamburg, 2018)
Jan Priel (University of Hamburg, 2016)
Efrossini Tsouchnika (University of Hamburg, 2008)
Johannes Walcher (ETH Zurich, 2001, with J. Fröhlich)
Konrad Waldorf (University of Hamburg, 2007)
Jan-Ole Willprecht (University of Hamburg, 2023)
Lukas Woike (University of Hamburg, 2020)
Yang Yang (University of Hamburg, 2022)

Master and diploma theses:
Samer Bacho (University of Hamburg, Master in Mathematics)
Till Barmeier (University of Hamburg, Diploma Mathematics),
Samuel A. Bauer (University of Hamburg, Master in Mathematics)
Alexander Barvels (University of Hamburg, Diploma Mathematics)
Tim Berberich (University of Hamburg, Master in Mathematical Physics, with Urs Schreiber)
Sjuvon Chung (University of Hamburg, Master in Mathematics)
Florian Conrady (University of Heidelberg, Diploma in Physics, with Michael G. Schmidt),
Adrien DeLazzer Meunier (University of Hamburg, Master in Mathematical Physics)
Max Demirdilek (University of Hamburg, Master in Mathematics)
Julian Farnsteiner (University of Hamburg, Master in Mathematical Physics)
Jonas Haferkamp (University of Hamburg, Master in Mathematical Physics)
Jan Hesse (University of Hamburg, Master in Mathematical Physics)
Alea Hofstetter (University of Hamburg, Master in Mathematics)
Tessa Ibs (University of Hamburg, Master in Mathematics)
David Jaklitsch (University of Hamburg, Master in Mathematical Physics)
Eilind Karlsson (University of Hamburg, Master in Mathematical Physics)
Hannes Knötzele (University of Hamburg, Master in Mathematical Physics)
Vincent Koppen (University of Hamburg, Master in Mathematical Physics)
Katarina Kring (University of Hamburg, Diploma Mathematics),
Alexandra Kruppa (RWTH Aachen, Diploma Physics),
Shadi Lemanczyk (University of Hamburg, Diploma Mathematics),

Thomas Lesmann (University of Hamburg, Master in Mathematics, with R. Holtkamp),
Jennifer Maier (University of Hamburg, Diploma Mathematics),
Svea Mierach (University of Hamburg, Master in Mathematics)
Pushya Mitra (University of Hamburg, Master in Mathematical Physics)
Lukas Müller (University of Hamburg, Master in Mathematical Physics)
Thomas Nikolaus (University of Hamburg, Diploma Mathematics),
Adam Olszewski (University of Hamburg, Master in Mathematics)
Kasper Peeters (UvA Amsterdam, Physics with J.W. van Holten)
Charlotte Peikert (University of Hamburg, Higher Education)
Jakob Salfeld-Nebgen (ETH Zurich, Master in Physics, with M. Gaberdiehl)
Indra Repczuk (University of Hamburg, Higher Education)
Linda Sass (University of Hamburg, Diploma Mathematics)
Jean Savinien (University of Paris 6, Mémoire de DEA)
Pauline Schulze (University of Hamburg, Master in Mathematics)
Kemal Tezgin (University of Hamburg, Master in Mathematical Physics)
Anke Tiedemann (University of Hamburg, Higher Education)
Steffen Thaysen (University of Hamburg, Master in Mathematics)
Maike Tormählen (University of Hamburg, Diploma Physics, joint with Volker Schomerus)
Rainer Tobaben (University of Hamburg, Diploma Mathematics)
Christopher Tropp (University of Hamburg, Master in Mathematical physics)
Luis Vasquéz (University of Hamburg, Mathematics)
Konrad Waldorf (RWTH Aachen, Physics),
Konrad Waldorf (University of Hamburg, Diploma Mathematics)
Kian Wegmeyer (University of Hamburg, Master in Mathematics)
Niko Wilbert (RWTH Aachen, Diploma Physics)
Jan-Ole Willprecht (University of Hamburg, Master in Mathematics)
Lukas Woike (University of Hamburg, Master in Mathematical physics)
Yang Yang (University of Hamburg, Master in Mathematical physics)
Stefan Zetsche (University of Hamburg, Mathematics)

Bachelor Theses:
Fabian Bannach (University of Hamburg, Higher Education)
Adrian Boerner (University of Hamburg, Mathematics)
André Beuckelmann (University of Hamburg, Mathematics)
Alexander Block (University of Hamburg, Mathematics, joint with Klaus Fredenhagen, Physics)
Xin Chen (University of Hamburg, Mathematics)
Max Demirdilek (University of Hamburg, Mathematics)
Lennart Döppenschmitt (University of Hamburg, joint with Jan Louis, Physics)
Sebastian Fleischer (University of Hamburg, Mathematics)
Carl Foth (University of Hamburg, Mathematics)
Till Heine (University of Hamburg, Mathematics)
Laura Kähler (University of Hamburg, Mathematics)
Timm Kenntner (University of Hamburg, joint with Timo Weigand, Physics)
Vincent Koppen (University of Hamburg, joint with Jan Louis, Physics)
Simon Krause-Solberg (University of Hamburg, Mathematics)
Robert Laugwitz (University of Hamburg, Mathematics)
Johannes Lederich (University of Hamburg, Mathematics)
Thomas Lesmann (University of Hamburg, Mathematics)
Nils Matthes (University of Hamburg, Mathematics)
Sibilla Mazza (University of Hamburg, Mathematics)

Corinna Menz (University of Hamburg, Mathematics)
Max Miller (University of Hamburg, Mathematics)
Yannick Mogge (University of Hamburg, Mathematics)
Carsten Muhsfeldt (University of Hamburg, Mathematics)
Paul Neumann (University of Hamburg, Mathematics)
Klara Elise Pfeiffer (University of Hamburg, Mathematics, joint with Thore Posske, Physics)
Viola Pfeiler (University of Hamburg, Mathematics)
Lidiya Pryymak (University of Hamburg, Mathematics)
Indra Repczuk (University of Hamburg, Higher Education)
Martin Rohmann (University of Hamburg, Mathematics)
Malin Schemschat (University of Hamburg, Mathematics)
Leonard Schmiester (University of Hamburg, Mathematics)
Lennart Schneider (University of Hamburg, Mathematics)
Benian Senol (University of Hamburg, Mathematics)
Svenja Smarsly (University of Hamburg, Mathematics)
Mareile Schulz (University of Hamburg, Higher Education)
Fabian Thiele (University of Hamburg, Mathematics)
Cem Chi-Tho Truong (University of Hamburg, Mathematics)
Heidi Ursula Wallon Pizarro (University of Hamburg, Mathematics)
Kian Wegmeyer (University of Hamburg, Mathematics)
Cora Welsch (University of Hamburg, Mathematics)
Jan-Ole Willprecht (University of Hamburg, Mathematics)
Lukas Woike (University of Hamburg, joint with Jan Louis, Physics)
Jara Wroblewski (University of Hamburg, Mathematics)
Clemens Zeile (University of Hamburg, Mathematics)
Pamela Zilliken (University of Hamburg, Mathematics)

Master theses in progress:
Ivan Fominykh (with Tony Zorman), Joshua Hurtubia Neitzel Benian Senol (with Mateusz Stroiński)

PhD research in progress:
Max Demirdilek, Alea Hofstetter, Max-Niklas Steffen

Grants: (selection)

2002	Grant of the Ministère d'Education Nationale for the PhD-research of Pedro Bordalo
10/00-9/02	Marie Curie Fellowship for Ingo Runkel
10/02-9/04	Marie Curie fellowship for Giuseppe D'Appollonio
10/04-09/06	DFG priority program "*String theory*": one postdoc
01/05 –	German-Israeli-Foundation, with Weizman Institute, Rehovot one postdoc, one PhD student
2005, 2010	e-learning consortium Hamburg
2005	Fellowship of the Rudolf and Erika Koch Foundation for a PhD student
05-07	DAAD Exchange project with University of Zagreb (Croatia)
2005-06	Host of Humboldt fellow Terry Gannon
2005-06	Host of Humboldt fellow Gor Sarkissian
2011-2012	Host for research visit Martín Mombelli
2006-2018	Project leader in the DFG Collaborative reserach center "*Particles, Strings and the early Universe*: one postdoc, one PhD position
2008-2011	Acting host of the Emmy-Noether group "Conceptual questions of quantum gravity" (Dr. Catherine Meusburger, with one postdoc and two PhD students)
2008-2015	Project leader in the DFG research priority program "*Representation* "*theory*: one PhD position
2015	Host for Humboldt visit Sonia Natale
2015	Host for Humboldt visit Nicolas Andruskiewitsch
2011 - 2020	Project leader in the GrK 1670 "*Mathematics inspired by string theory and quantum field theory*", one PhD position, one Postdoc
2019-2021	Host for Humboldt fellow César Galindo
2019 - 2026	Project leader in the Excellence Cluster "*Quantum Universe*
2020	Host of Humboldt prize winner Prof. Boris Feigin (Moscow)
2022 -	Host for Humboldt fellow Simon Wood
2022-	Mentoring for the Emmy-Noether groups "Vertex algebras for two- and four-dimensional conformal field theories (Dr. Sven Möller) "Topological quantum field theory in more than three dimensions" (Dr. David Reutter)

Service to the community:

Present:

Member of the executive board of the excellence cluster "*Quantum Universe*"

Spokesperson of the research training group 1670 "*Mathematics inspired by string theory and quantum field theory*'

Acting head of the Center for Mathematical Physics

Responsible for the modules Linear Algebra and Algebra

Member of 15 hiring committees at the University of Hamburg, 4 as head of the committee

Past

2003-2008 Coordinator for service teaching for physicists
2003-2008 Member of the committee for the creation of bachelor and master programs
2003-2006 Member of the committee on structural development of the department of mathematics
2003-2017 in charge of the library of the mathematics department
2005-2008 Member of the council of the department of mathematics
2005-2007 Member of the faculty council of the MIN faculty
2006-2009 and 2012-2018 Member of the executive board of the research priority area SFB 676 "*Particles, Strings and the early universe*"
2009-2015 Member of the steering committee of the DFG priority program 1388 "*Representation theory*"
2011-2015 Deputy Spokesperson of the research training group 1670 "*Mathematics inspired by string theory and quantum field theory*'
2017-2020 Member of the steering committee of the excellence cluster "*Quantum Universe*"
2015-2020 Spokesperson of the research training group 1670 "*Mathematics inspired by string theory and quantum field theory*'
2023- Member of the steering committee of the excellence cluster "*Quantum Universe*"

Invited seminars:

Abu Dhabi	NYUAD
Argentina	Córdoba
Australia	Canberra, Macquary (Sydney), MATRIX Creswick, Melbourne
Austria	TU Wien, Schrödinger Institut
Belgium	Antwerp, Brussels, Ghent
Canada	Banff, Edmonton, Montréal, Memorial University St. John's
China	BIMSA Beijing, Naning, Fudan University Shanghai
Columbia	Barranquilla
Denmark	Aarhus, Copenhagen, Odense
France	Dijon, Ecole Polytechnique, Ecole Normale Supérieure, IHES, Institut Henri Poincaré, Lille, ENS Lyon, Lyon I, Montpellier, Nantes, Orsay, CEA Saclay
Germany	Aachen, Augsburg, HU Berlin, Bielefeld, Bochum, Bonn, MPI Bonn, IU Bremen, Cologne, Darmstadt, DESY, Dresden, Erlangen, Frankfurt, Freiburg, Göttingen, Greifswald, Hamburg, Hanover, Heidelberg, Jena, Kaiserslautern, Leipzig, Mainz, Marburg, LMU Munich, TU Munich, Münster, Paderborn, Potsdam, MPI Potsdam, Regensburg, Tübingen, Wuppertal, Würzburg
Great Britain	Cardiff, Durham, Edinburgh, City University London, Imperial College London, Nottingham (online), Oxford, York
Hungary	Eötvös Lorand University, Budapest
Ireland	DIAS Dublin, Trinity College Dublin
Italy	Florence, Perugia, Rome II, Turino
Japan	RIMS Kyoto, Tokyo
Korea	Institute for basic science, Pohang
Netherlands	Universiteit van Amsterdam, Nijmegen, NIKHEF, RU Leiden, Utrecht
Norway	Kongsberg, Oslo
Poland	Będlewo
Portugal	Lisbon, Porto
Russia	St. Petersburg
Sweden	Gothenborg, Karlstad, Mittag-Leffler institute, KTH Stockholm, Uppsala
Switzerland	CERN, Geneva, ETH Hönggerberg, ETH Zentrum, SwissMAP, Fribourg
USA	Brandeis, UC Berkeley, UC Davis, Harvard, USC Los Angeles, Maryland, MIT, MSRI (online), Princeton, UC Riverside, Rutgers, UC Santa Cruz, Simons Center, SUNY Stony Brook

Invited talks on conferences:

Subfactors and applications, MFO Oberwolfach, Germany, July 2025
Spaces of tensor categories, ICMS Edinburgh, UK, July 2025
Anyons, from small to large scales, Institute Mittag-Leffler, Stockholm, July 2025
Quantum Field Theory and Topological Phases via Homotopy Theory and Operator Algebras, MPI Bonn
Geometry and Representation Theory Associated to G-Torsors on Curves, Maryland, USA, April 2025
Quantum groups, tensor categories and quantum field theory , Oslo, January 2025

Tensor Categories, Quantum Symmetries, and Mathematical Physics, MATRIX Creswick, Australia, Nov
Higher structures in Noncommutative Geometry and Quantum Algebra, Lille, October 2024
Recent Developments in Topological Quantum Field Theory, BIMSA Beijing, September 2024
Homotopical algebra and higher structures, Oberwolfach, August 2024

Subfactors and fusion (2-)categories, Banff, December 2023
Categorical symmetries in quantum field theory, Les Diablerets, August 2023
Groups, Rings, Lie and Hopf Algebras, Memorial University of Newfoundland Harlow, UK, August 2023
Higher Structures in Functorial Field Theory, Regensburg, August 2023
Representations in higher structures, Workshop, Greifswald, June 2023
Homotopy Algebras and Higher Structures, Paris, May 2023
Hopf Algebras and Tensor Categories, Marburg, May 2023
Geometric/Topological Quantum Field Theories and Cobordisms 2023, Abu Dhabi, March 2023

Quantum symmetries: tensor categories, topological quantum field theories, vertex algebras, Montreal, Ca
ESI Program on Tensor Networks: Mathematical Structures and Novel Algorithms', October 2022
ESI Program on Higher Structures and Field Theory', August 2022

Subfactors, Vertex Operator Algebras, and Tensor Categories, Hangzhou, China (online), September 2021
Conference on vertex algebras and related topics, Darmstadt, Germany, September 2021
The Mathematics of Conformal Field Theory II, Canberra, Australia, July 2021
AIM workshop Fusion categories and tensor networks, March 2021

Alexander-von-Humboldt Workshop Hopf Algebras and Tensor Categories,
Cordoba-Hamburg-Marburg (online), August 2020
Higher Structures and Field Theory, ESI (online), two talks August and September 2020
Tensor categories and topological quantum field theories, MSRI (online), March 2020
Geometry,Topology and Physics at NYUAD, Abu Dhabi (online), March 2020

Subfactors and Applications, Oberwolfach, October 2019
International workshop on Hopf algebras and tensor categories, Nanjing, China, September 2019
Beyond Rationality 2: Post-Rational Conformal Field Theory, Woudschoten, Netherlands, May 2019
Geometry and Integrable Systems, Dijon, France, April 2019
Humboldt Kolleg "Measuring Amercia", Barranquilla, Columbia, March 2019

Current Progress in Mathematical Physics , Harvard, USA, December 2018
Fusion Categories and Subfactors, Banff, Canada, October 2018
Homotopy algebras, deformation theory and quantization, Mathematical Research and Conference
Center in Będlewo, Poland
Higher Structures in M-Theory, Durham, UK, August 2018
AQFT: where operator algebra meets microlocal analysis, Palazzone, Cortona, Italy, June 2018
On Noncommutativity and Physics: Hopf algebras in Noncommutative Geometry
Bayrischzell, Germany, April 2018
Tensor Categories and Topological Field Theory (Minicourse), Atlantic Algebra Center,
Memorial University, St. John's, Canada, March 2018
Tensor categories, Hopf algebras and quantum groups, Marburg, Germany, January 2018

String Field Theory of Landau-Ginzburg models. Institute for Basic Science, Pohang, Korea, September 2017
Boundary and Defect Conformal Field Theory: Open Problems and Applications. Royal Society, Chicheley Hall, September 2017
Modern mathematics of Quantum Theory, York, September 2017
Tensor categories and topological quantum matter, Shanghai, June 2017
Foundational and structural aspects of gauge theories, Mainz, June 2017

New interactions between homotopical algebra and quantum field theory, Oberwolfach, December 2016
Classical and quantum symmetries in mathematics and physics, Jena, July 2016
Annual meeting DMV/GAMM, Braunschweig, March 2016
Humboldt Kolleg Colloquium on algebras and representation – Quantum 16, Córdoba, Argentina, March 2016.

Higher Structures in String Theory and Quantum Field Theory, ESI, Vienna, December 2015
Higher TQF and categorical quantum mechanics, ESI, Vienna, October 2015
Nichols algebras and their Interactions with Lie theory, Hopf algebras and tensor categories, Banff, Canada, September 2015
New developments in TQFT, Aarhus, Denmark, July 2015
Quantum Topology, Euler International Mathematical Institute, St. Petersburg, Russia, July 2015
AMS-EMS-SPM International Meeting, Porto, Portugal, June 2015

Higher Structure 2014, Geneva, Switzerland, October 2014
ESI Programme: Topological Phases of Quantum Matter, Vienna, Austria, September 2014
Homological Methods in Algebra, Geometry and Physics, London, July 2014
Group 30, Ghent, Belgium, July 2014
String-Math 2014, Edmonton, Canada, June 2014

Modern trends in topological field theory, ESI, Vienna, March 2013
Structures on Tensor Categories and Topological Field Theories, Erlangen, Germany, March 2013
Moduli, operads, dynamics, Kongsberg, Norway, July 2013
Nederlands Mathematisch Congress, Nijmegen, April 2013

Opening talk of the Bielefeld graduate school in theoretical sciencies, November 2012
IV Congreso Latinoamericano de matematicos, Cordoba, Argentina, August 2012
ESI Program on K-Theory and Quantum Fields
Integrable lattice models and quantum field theories, Wuppertal, February 2012.

DMV Annual Meeting, Cologne, September 2011
Memorial Conference for Maximilian Kreuzer, Vienna, June 2011
Simons workshop on Bethe ansatz and branes, Stony Brook, March 2011

25th Nordic Network Meeting on "Strings, Fields and Branes, KTH Stockholm, March 2010

Algebraic and topological aspects of D-branes, Würzburg, December 2009
Darstellungstheorietage, Jena, November 2009
Lie algebras, vertex algebras and automorphic forms, Edinburgh, September 2009
Seminar Sophus Lie, Göttingen, July 2009
Workshop "Strings, fields and topology", Oberwolfach, June 2009

5th European Congress of mathematics, Amsterdam, July 2008
Colloquium in honour of Michael G. Schmidt, Heidelberg, September 2008

Conference in Mathematical Physics on the Occasion of Jürg Fröhlich's 61st Birthday, Zurich, July 2007
Joint Meeting UMI-DMV, Perugia, June 2007

Non-commutative geometry and representation theory in mathematical physics, Karlstad, Schweden, July 2004
Applications of K-theory to theoretical physics, Institut Poincaré, Paris, March 2004

First RTGF Meeting (Red Temática de Geometría y Física), Madrid, November 2003
36th International Symposium Ahrenshoop, Berlin, August 2003
AMS Spring Meeting, Bloomington, IN, April 2003

35th International Symposium Ahrenshoop, Berlin, August 2002
"TH-2202", International Conference on Theoretical Physics Paris, UNESCO, 22-27 July 2002
XXIV International Colloquium on Group Theoretical Methods in Physics, Paris, July 2002
EuroConference *"Vector Bundles on Algebraic Curves"* VBAC 2002 Luminy, July 2002
GDR *"Journées Lyonnaises"*, Lyon, June 2002
Workshop on *"String Theory and Complex Geometry"*. Bad Honnef, Germany, April 2002
6th Informal U.K. 1 day meeting on 2-dimensional integrable models, and conformal field theory. Oxford, April 2002
66. Annual Meeting of the German Physical Society, Leipzig , March 2002

RTN Workshop *"Conformal symmetry and strings"*, Anttila, Sweden, September 2001
NATO Workshop *"Statistical field theories"*, Como, Italy, June 2001

"Géometrie algébrique complexe", conference at CIRM, Luminy, November 2000
TMR conference *"Non-perturbative quantum effects 2000"*, Paris, September 2000
24th Johns Hopkins Workshop *"Nonperturbative QFT methods and their applications"*, Budapest, August 2000
XIII International Congress on Mathematical Physics, London, July 2000
3rd European Congress of Mathematics, Barcelona, July 2000
9th Marcel Grossmann Meeting, Rome July 2000
"Algebra 2000", Pacific Institute for the Mathematical Sciences, Edmonton, Canada, June 2000
GDR *"Structures non perturbatives en théorie des champs et des cordes*, ENS Lyon, May 2000

"Non-Commutative Gauge Theory", Lorentz Center, Leiden, Netherlands, November 1999
"Mesoscopic systems", Ascona, Switzerland, July 1999
'Geometry and quantization of symplectic manifolds and quantum integrable systems" Ascona, Switzerland, July 1999
"D-branes, vector bundles and bound states", IHES, Bures-sur-Yvette, June 1999

"Conformal field theory of D-branes", DESY, September 1998
31st International Symposium Ahrenshoop, Buckow, September 1997

UC Lie Algebra Workshop, Santa Cruz, California, December 1996
XXVIII Summer Institute on *"String Theory and Extended Objects,"* ENS Paris, August 1996
XXI International Colloquium on Group Theoretical Methods in Physics, Goslar, July 1996

XIth International Congress of Mathematical Physics, Paris, July 1994
Symposium on Mathematical Physics, Enschede, Netherlands June 1994
Jahrestagung der Deutschen Physikalischen Gesellschaft, Hamburg, March 1994
3rd International Conference on Mathematical Physics, String Theory and Quantum Gravity, Alushta, Ukraine, May 1993.

Workshops at the "Mathematisches Forschungsinstitut Oberwolfach":

"Subfactors and applications", July 2025

"Homotopical algebra and higher structures", August 2024

"Subfactors and Applications", October 2019

"New interactions between homotopical algebra", December 2016

"Factorization Algebras and Functorial Field Theories", May 2016

"Subfactors and Conformal Field Theory", March 2015

"Deformation Methods in Mathematics and Physics ", September 2010

"Geometry, quantum fields and strings", June 2010

"Strings, fields and topology", June 2009

"Infinite-dimensional Lie theory", December 2006

"Gerbes, twisted K-theory and conformal field theory", August 2005

"Mathematical aspects of string theory", April 1999

"Generalized Kac-Moody algebras", July 1998

"Verlinde formulae and conformal blocks", March 1997

Workshops at the Erwin-Schrödinger-Institut, Vienna:

"Tensor Networks: Mathematical Structures and Novel Algorithms", October 2022

"Higher Structures and Field Theory", August 2022

"Higher Structures and Field Theory", September 2020

"Higher structures in string theory and quantum field theory", December 2015

"Higher topological quantum field theory and categorical quantum mechanics", October 2015

"Topological phases of quantum matter", September 2014

" Modern trends in topological field theory", March 2014

"K-Theory and Quantum Fields", June 2012

"Quantum Field Theory on Curved Space-times and Curved Target Spaces", March 2010

"Operator Algebras and Conformal Quantum Field Theory", September 2008

"Gerbes, Groupoids and Quantum Field Theory", June 2006

"Tensor categories in mathematics and physics", June 2004

"Mathematical Aspects of String Theory", September 2001

"Duality, String Theory and M-Theory", April 2000

"Applications of integrability", September 1999

"Quantization, generalized BRS cohomology and anomalies", October 1998

"Conformal and topological field theories and integrability", March 1996

"Beyond the standard model", workshop in Bad Honnef, Germany, March 2001, 1997, 1995, 1994, 1993

Invited Seminars:

2025 *Grothendieck-Verdier categories, Frobenius algebras and relative Serre functors*
VU Brussels, Belgium, September2025

Tensor network states, spherical Morita contexts and extruded graphs
Oberwolfach, Germany, July 2025

Davydov-Yetter cohomology - some tools and some applications
University of Edinburgh, UK, July 2025

Tensor network states - a topological field theory perspective
Institute Mittag-Leffler, Sweden, July 2025

Tensor network states - a topological field theory perspective
MPI Mathematics, Bonn, Germany, July 2025

Quantum theory and mathematics - a 100-year success story
University of Karlstad, Sweden, May 2025

Covariance of graphical calculus and CFT correlators
Uppsala, Sweden, May 2025

Davydov-Yetter cohomology: tools and applications
Antwerp, Belgium, May 2025

On some representation theoretic structures related to conformal field theory
University of Maryland, USA, April 2025

Nakayama functors, relative Serre functors and some applications
University of Tokyo, Japan, February 2025

Quantum theory and mathematics - a 100-year success story
University of Tokyo, Japan, February 2025

Grothendieck-Verdier categories, Frobenius algebras and relative Serre functors
RIMS Kyoto, Japan, February 2025

Tensor networks and categorical Morita equivalence
RIMS Kyoto, Japan, February 2025

The construction of correlators of two-dimensional CFTs
University of Tokyo, Japan, February 2025

From tensor networks to Frobenius Schur indicators:
some applications of state-sum models with boundaries
TU Munich, Germany, February 2025

Davydov-Yetter cohomology: tools and applications
Göttingen, Germany, January 2025

State-sum construction and applications
Oslo, Norway, January 2025

2024 *Skein theoretic methods for CFT correlators*
MATRIX Creswick, Australia, November 2024

Davydov-Yetter cohomology: tools and applications
Melbourne University, Australia, November 2024

GV module categories, Frobenius algebras, relative Serre functors
Macquary University, Sydney, Australia, November 2024

Module categories over tensor categories
Lille, France, October 2024

Stringnet methods for CFT correlators
BIMSA Bejing, China, September 2024

Davydov-Yetter cohomology: some tools and applications
Oberwolfach, August 2024

Module categories over tensor categories: some structures and some applications
Isle of Skye, June 2024

Traces and higher structures
Lisbon (online), Portugal, May 2024

2023 *Duality beyond rigidity*
Banff, Canada, December 2023

Relative Serre functors
Edinburgh, UK, October 2023

Relative Serre functors
Heidelberg, Germany, October 2023

String-net methods for CFT correlators
SwissMAP, Les Diablerets, Switzerland, August 2023

Davydov-Yetter, comonad and relative cohomology
Memorial University, Harlow Campus, UK, August 2023

Traces and higher structures
Regensburg, Germany, August 2023

Traces and higher structures
Greifswald, Germany, June 2023

Skein-theoretic methods for CFT correlators
Galilei-Institute, Florence, June 2023

String-net methods for CFT correlators
Institut Henri Poincaré, Paris, May 2023

Davydov-Yetter, comonad and relative cohomology
Marburg, Germany, May 2023

String-net methods for CFT correlators
New York University at Abu Dhabi, March 2023

2022 *Traces and a graphical calculus in 3 dimensions*
CRM Montreal, Canada, October 2022

Tensors, state-sum TFTs and evaluation of extruded graphs
ESI, Vienna, Austria, October 2022

Traces and higher structures
ESI, Vienna, Austria, August 2022

Relative Serre functors
Bonn, Germany, July 2022

Relative Serre functors
Lille, France, June 2022

Rigidity in conformal field theory and (vertex) algebras beyond rigidity
Rocky-mountain seminar (online), Februar 2022

2021 *More about CFT correlators*
One world IAMP mathematical physics seminar, December 2021 (online)

Topological field theories with boundaries – applications to tensor networks and representation theory
Center for quantum mathematics, Odense, Denmark, November 2021

Bulk fields in conformal field theory
Higher Structures & Field Theory Seminar, Erlangen, Wien, Würzburg, München, November 2021

Rigidity in conformal field theory and (vertex) algebras beyond rigidity
Subfactors, Vertex Operator Algebras, and Tensor Categories, Hangzhou, China (online), September 2021

Rigidity in conformal field theory and (vertex) algebras beyond rigidity
Conference on vertex algebras and related topics, Darmstadt, Germany, September 2021

More about bulk fields
The Mathematics of Conformal Field Theory II, Canberra, Australia (online), March 2021

Quantum groups and antipodes
Colloquium Cardiff (online), March 2021

Topological field theories with boundaries and symmetries of tensor networks
AIM Workshop Fusion categories and tensor networks (online), March 2021

2020 *Relative Serre functors, Frobenius algebras and some applications to conformal field theory*
University of Münster, Germany, December 2020

Topological field theories with boundaries – about tensor networks and Frobenius-Schur indicators
University of Würzburg, Germany, December 2020

Topological field theories with boundaries - some constructions and some applications
Uqsl-seminar (online), November 2020

Topological field theories with boundaries - some constructions and some applications
ESI, Vienna, Austria (online), September 2020

Modular tensor categories and topological field theories
Humboldt Workshop Hopf Algebras and Tensor Categories (online), August 2020

Bulk fields in conformal field theory
ESI, Vienna, Austria (online), August 2020

Bulk fields in conformal field theory
Nottingham (online), United Kingdom, June 2020

Bulk fields in conformal field theory
MSRI (online), Berkeley, March 2020

Bulk fields in conformal field theory
NYAD (online), Abu Dhabi, March 2020

String nets and invariants of mapping class groups
University of Copenhagen, January 2020

2019 *Bulk fields in conformal field theory*
Odense, Denmark, December 2019

String net models and CFT correlators
Nijmegen, The Netherlands, December 2019

String nets and invariants of mapping class groups
Oberwolfach, October 2019

String net models and CFT correlators
Nanjing, China, September 2019

String net models and CFT correlators
TU Munich, Germany, July 2019

String net models and CFT correlators
University of Gent, Belgium, June 2019

Quantum groups and antipodes
University of Würzburg, Germany, May 2019

Bulk fields in conformal field theory
Beyond rationality, Woudschoten, The Netherlands, May 2019

Bulk fields in conformal field theory
Dijon, France, May 2019

Modular tensor categories as higher invariants – a tour from solid state physics to mathematics
Barranquilla, Columbia, March 2019

From groupoid cardinality to Drinfeld doubles.
Córdoba, Argentina, March 2019

State sum models with defects
Niels Bohr Institute, Copenhagen, Denmark, January 2019

2018 *Bulk fields in conformal field theory*
Harvard University, USA, December 2018

Hochschild cohomology and the modular group
Technical University Dresden, Germany, November 2018

State sum constructions beyond fusion categories
Fusion Categories and Subfactors, Banff, Canada, October 2018

Quantum groups and antipodes
University of Alberta, Edmonton, Canada, October 2018

More about modular functors
Homotopy algebras, deformation theory and quantization, Mathematical Research and Conference Center in Będlewo, Poland, September 2018

Logarithmic conformal field theory - an attempt at a status report
Higher Structures in M-Theory, LMS-EPSRC Symposium, Durham, UK, August 2018

Topological field theory beyond semisimplicity
AQFT: where operator algebra meets microlocal analysis, Palazzone, Cortona, Italy, June 2018

State sum models beyond semisimplicity
Bayrischzell, Germany, April 2018

Coends, a Lego-Teichmüller game and correlators in (non-)semisimple conformal field theory

Université Lyon I, March 2017

Tensor Categories and Topological Field Theory (Minicourse), Atlantic Algebra Center, Memorial University, St. John's, Canada,

Eilenberg-Watts calculus for finite categories and a bimodule Radford S^4 theorem
Workshop Workshop Tensor categories, Hopf algebras and quantum groups, Marburg, January 201

2017 *Boundary conditions and defects in low-dimensional field theories*
Workshop String Field Theory of Landau-Ginzburg models, Pohang, Korea, September 2017

CFT with and without Boundaries: from a Holographic Picture to Logarithmic CFTs
Boundary and Defect Conformal Field Theory: Open Problems and Applications. Royal Society, Chicheley Hall, September 2017

Coends, a Lego-Teichmüller game and correlators in (non-)semisimple conformal field theory
Modern mathematics of Quantum Theory, York, September 2017

Defects in topological field theory: new tools and applications in physics
Workshop on Tensor categories and topological quantum matter, Shanghai, June 2017

Tensor categories and topological field theories and how to obtain them from Dijkgraaf-Witten theories
Workshop on Tensor categories and topological quantum matter, Shanghai, June 2017

Higher structures in Dijkgraaf-Witten theories
Workshop on Foundational and structural aspects of gauge theories, Mainz, June 2017

Eilenberg-Watts calculus for finite categories and a bimodule Radford S^4 theorem
Transformation groups and mathematical physics, Jacobs University Bremen, March 2017

A Lego-Teichmüller game for logarithmic conformal field theories
Utrecht, The Netherlands, March 2017

Eilenberg-Watts calculus for finite categories and a bimodule Radford S^4 theorem
Workshop on quantum topology, Lille, France, March 2017

2016 *Turaev-Viro theories from non-semisimple spherical categories*
Workshop on New interactions between homotopical algebra and quantum field theory
Oberwolfach, Germany, December 2016

Defects in topological field theory: from categorical tools to applications in representation theory
Université de Montpellier, October 2016

Defects in topological field theory: new tools and applications in physics
Université Paris 6, France, October 2016

Corellators for non semi-simple CFTs
MIT, USA, October 2016

Defects in topological field theory: from categorical tools to applications in physics and representation theory
Jena, Germany, July 2016

Categorical tools for state sum constructions
Braunschweig, Germany, March 2016

TV theories with defects and representation theory
Córdoba, Argentina, March 2016

2015 *State sum constructions of extended TFTs and defects*
Erwin Schrödinger Institute, Vienna, December 2015

An isomorphism in representation theory and its interpretation in TFT
University of Vienna, Austria, December 2015

Traces for bimodule categories, generalized Wilson lines and generalized onformal blocks
Erwin Schrödinger Institute, Vienna, October 2015

Conformal field theory, tensor categories and module categories
Banff, Canada, September 2015

Surface defects in TV theories, Brauer Picard groups and some relations representation theory
University of Aarhus, Denmark, July 2015

TV theories with defects and representation theory
Euler International Mathematical Institute, St. Petersburg, Russia, July 2015

Invariants for mapping class group actions from ribbon Hopf algebra automorphisms
University of Leipzig, Germany, July 2015

Invariants for mapping class group actions from ribbon Hopf algebra automorphisms
University of Darmstadt, Germany, June 2015

TFT with defects and representation theory
University of Jena, June 2015

Invariants for mapping class group actions from ribbon Hopf algebra automorphisms
AMS-EMS-SPM International Meeting, Porto, Portugal, June 2015

Symmetries and defects in 3d TFT
AMS-EMS-SPM International Meeting, Porto, Portugal, June 2015

TFT with defects and representation theory
University of Potsdam, May 2015

Defects in topological field theory and an isomorphism in representation theory
University of Leipzig, May 2015

RCFT correlators and surface defects in three-dimensional topological field theory
Workshop on Subfactors and Conformal Field Theory, Mathematisches Forschungsinstitut Oberwolfach, Germany, March 2015

2014 *Boundary conditions and defects in three-dimensional topological field theory*
University of Geneva, Switzerland, October 2014

Surface Defects, Symmetries and Dualities
Erwin Schrödinger Institute, Vienna, March 2014

Boundary conditions and defects in three-dimensional topological field theory
City University London, Great Britain, July 2014

Surface defects and symmetries
University of Ghent, Belgium, July 2014

Symmetries and defects in 3d topological field theories
Stringmath 2014, Edmonton, Canada, June 2014

Invariants for mapping class group actions from ribbon Hopf algebra automorphisms
Erwin Schrödinger Institute, Vienna, March 2014

Invariants for mapping class group actions from ribbon Hopf algebra automorphisms
University of Erlangen, Germany, March 2014

Some applications of module categories to field theories
University of Dijon, France, January 2014

2013 *Surface defects in topological field theories: construction, classification and applications*
University of Göttingen, Germany, November 2013
Surface defects in topological field theories: construction, classification and applications
University of Bonn, Germany, November 2013

Defects in TFTs and module categories
University of Heidelberg, Germany, July 2013

Module categories and boundary conditions for three-dimensional topological field theories
Moduli, operads and dynamics, Kongsberg, Norway, July 2013

Module categories and some of their applications to field theories
University of Bielefeld, April 2013

Module categories and some of their applications
Nederlands Mathematisch Congress 2013, Nijmegen, April 2013

The Drinfeld double: geometric and algebraic aspects
University of Nijmegen, April 2013

2012 *Large groups in mathematics, small scales in physics and a reason for finding integer numbers*
Opening talk of the Bielefeld graduate school in theoretical sciences, November 2012

Boundary conditions and defects in 3d TFT
University of Karlstad, Sweden, September 2012

Invariants for mapping class group actions from ribbon Hopf algebra automorphisms
IV Congreso Latinoamericano de matematicos, Cordoba, Argentina, August 2012

Bicategories for boundary conditions and surface defects in 3d TFT
LMU Munich, July 2012

Bicategories for boundary conditions and surface defects in 3d TFT
ESI Program on K-Theory and Quantum Fields, June 2012

Modular invariant Frobenius algebras from ribbon Hopf algebra automorphisms
Integrable lattice models and quantum field theories, Wuppertal, February 2012.

2011 *Bicategories in field theories - an invitation*
Annual meeting of the DMV, Cologne, September 2011

Bicategories in field theories - an invitation
Memorial conference for Maximilian Kreuzer, Vienna, June 2011

The Drinfeld double and some generalizations: algebraic and geometic aspects
University of Marburg, Germany, May 2011

Some tools for equivariant constructions in bicategories
and their applications to conformal field theory
Simons Center, Stony Brook, USA, March 2011

Some tools for equivariant constructions in bicategories
and their applications to conformal field theory
Ecole Normale Supérieure Lyon, February 2011

The Drinfeld double and some generalizations: algebraic and geometic aspects
Ecole Normale Supérieure Lyon, February 2011

Dualities and defects: lessons from the target space and from the worldsheet
Ecole Normale Supérieure Paris, February 2011

The Drinfeld double and some generalizations: algebraic and geometic aspects
University of Cardiff, Wales, February 2011

2010 *Geometric and algebraic structures for general crossed modules*
Workshop Deformation methods in mathematics and physics, Oberwolfach, September 2010

Gerbes on Lie groupoids
CRCG Workshop - Higher Structures in Topology and Geometry IV, Göttingen, June 2010

Bibranes: target space geometry for worldsheet conformal defects
KTH Stockholm, 25th Nordic Meeting on Strings, Fields and Branes, March 2010

2009 *Bundle gerbes, D-branes and Orientifolds*
University of Würzburg, December 2009

Rational conformal field theory beyond semi-simplicity – challenges and puzzles
University of Jena, November 2009

Mapping class group representations and conformal boundary conditions
Workshop "Lie algebras, vertex algebras and automorphic forms" Edinburgh, September 2009

Frobenius algebras in modular tensor categories
Summer school "Structures in Lie Representation" Jacobs University Bremen, August 2009

The fundamental gerbe of a compact simply-connected Lie group
Seminar Sophus Lie, Göttingen, Germany, July 2009

CFT and algebra in braided tensor categories
Workshop on Strings, Fields and Topology Mathematisches Forschungsinstitut
Oberwolfach, Germany, June 2009

Bundle gerbes: A geometric framework for Wess-Zumino terms
Mathematical Physics Colloquium Karlstad, Sweden, June 2009

Frobenius algebras, Hopf algebras and konformal quantum field theory
Mathematical Physics Colloquium Erlangen, May 2009

Bundle gerbes and surface holonomy
Mathematical Colloquium Bonn, January 2009

2008 *Bundle gerbes and surface holonomy*
Mathematical Colloquium Münster, October 2008

Bundle gerbes: A geometric framework for Wess-Zumino terms
Institute for theoretical physics, University of Heidelberg, Heidelberg, September 2008

Modules and bimodules for bundle gerbes: Wess-Zumino terms for defects and boundaries
Erwin-Schrödinger-Institute, Vienna, Austria, September 2008

Bundle gerbes and surface holonomy
5 European Congress on Mathematics, Amsterdam, July 2008

Bundle gerbes and surface holonomy
Mathematical physics seminar, RU Utrecht, May 2008

Topological field theory, conformal field theory and Frobenius algebras
Mathematics Department Göteborg, Sweden. February 2008

Topological field theory, conformal field theory and Frobenius algebras
Albert-Einstein-Institute, Golm, Germany. February 2008

Topologische Feldtheorie, konforme Feldtheorie und Frobenius-Algebren
Fachbereich Mathematik der Universität Regensburg, Germany. January 2008

2007 *Topological defects and duality in conformal field theory*
Università di Roma II (Tor Vergata), Italy, October 2007,

Algebren, Bimoduln und Symmetrien
Bundle gerbes and surface holonomy
Institut f'ur Mathematik der Universität Göttingen, Germany. July 2007

Algebren, Bimoduln und konforme Feldtheorie
Institut für Mathematik der Universität Augsburg, Germany. July 2007

Target space geometry for world sheet topological defects
Conference in Mathematical Physics on the Occasion of Jürg Fröhlich's 61st Birthday, Zurich, July 2007

Frobenius algebras in tensor categories and conformal field theory
Joint Meeting UMI-DMV, Perugia, Italy, June 2007

Gerbe modules and gerbe bimodules
Fachbereich Mathematik der Universität Potsdam, Germany. May 2007

Topologische Feldtheorie, konforme Feldtheorie und Frobenius-Algebren
Fachbereich Mathematik der Universität Bochum, Germany. Januar 2007

2006 *Gerbes and loop groups*
Workshop on infinite-dimensional Lie theory, Mathematisches Forschungsinstitut Oberwolfach, Germany, December 2006

Topologische Feldtheorie, konforme Feldtheorie und Frobenius-Algebren
Fachbereich Mathematik der Universität Paderborn, Germany. November 2006

Topologische Feldtheorie, konforme Feldtheorie und Frobenius-Algebren
Fachbereich Mathematik der Universität Göttingen, Germany. November 2006

Topologische Defekte in zweidimensionalen Feldtheorien – mathematische und physikalische Aspek
Fakultät für Physik und Mathematik der Universität Hannover, Germany. October 2006

Categorification and correlation functions in conformal field theory
ICM 2006, Madrid, August 2006

Bimodules and braiding
Technical University Darmstadt, Germany, July 2006

Unoriented WZW models and holonomy of bundle gerbes
Erwin-Schrödinger-Institute, Vienna, Austria, June 2006

Remarks on rational conformal field theories on unoriented surfaces

18th Workshop on "Foundations and Constructive Aspects of QFT", Hamburg, May 2006

Unoriented WZW models and holonomy of bundle gerbes
Biséminaire Mathématiques-Physique, École Normale Supérieure Paris, March 2006

Frobenius algebras, topological and conformal field theory
Mathematics Department, Universiteit van Amsterdam, Netherlands, February 2006

Topologische Feldtheorie, konforme Feldtheorie und Frobenius-Algebren
Fachbereich Mathematik der Universität Frankfurt, Germany. January 2006

2005 *Algèbres de Frobenius, thèories topologiques et théories conformes*
Mathematics Department, University of Fribourg, Switzerland, November 2005

Defects and dualities in rational conformal field theories
Colloquium at Trinity college, Dublin, September 2005

What are subgroups of quantum groups and why do we study them?
Colloquium at Technical University of Darmstadt, June 2005

What are subgroups of quantum groups and why do we study them?
Colloquium at the University of Münster, June 2005

Twining characters and Picard groups in rational conformal field theories
Lie algebras, vertex operator algebras and their applications, NC State University, Raleigh, NC, May 2005

TFT construction of RCFT correlators – a tour through examples
Two talks at ETH Zürich, May 2005.

Algebraic aspects of rational conformal field theories
LPTHE, Université Paris 6, March 2005

2004 *Picard groups in rational conformal field theory*
Non-commutative geometry and representation theory in mathematical physics, Karlstad, Schwede

Conformal field theory: questions that have been studied and questions one should ask
DESY colloquium, Hamburg, June 2004

Categories and categorification in low dimensional field theories
Applications of K-theory to theoretical physics, Institut Poincaré, Paris, March 2004

Algebra and representation theory in braided tensor categories
Mathematics Department, HU Berlin, February 2004

2003 *Algebras in Tensor categories and conformal field theory*
First RTGF Meeting (Red Temática de Geometría y Física), Madrid, November 2003

Algebras in Tensor categories and conformal field theory
International University Bremen, November 2003

Algebras in Tensor categories and conformal field theory
AMS Spring Meeting, Bloomington, IN, April 2003

Flux stabilization and generalized minimal surfaces
Altenberg workshop, Germany, February 2003

Conformal field theory: questions that have been studied and questions one should ask
University of Kaiserslautern, Germany, February 2003

Strings in Group manifolds and a generalized minimal surface problem
Graduiertenkolleg Mathematik, RWTH Aachen, February 2003

Defects, boundaries and Frobenius algebras
DIAS, Dublin, Ireland, January 2003

2002 *Conformal field theory: questions that have been studied and questions one should ask*
University of Bonn, Bonn, Germany, November 2002

Frobenius algebras in tensor categories and conformal field theory in two dimensions
Three talks in the mathematics department, RWTH Aachen, November 2002

Defects, boundaries and Frobenius algebras
35th International Symposium Ahrenshoop, Berlin, August 1997

D-branes, boundaries and defects
"TH-2202", International Conference on Theoretical Physics Paris, UNESCO, 22-27 July 2002

Strings, symmetries and representations
XXIV International Colloquium on Group Theoretical Methods in Physics, Paris, July 2002

Vertex operators, conformal blocks and correlation functions I, II, III
EuroConference *"Vector Bundles on Algebraic Curves"* VBAC 2002 Luminy, July 2002

Algebras in tensor categories and conformal field theory
University of Hamburg, Germany, June 2002

Conformal field theories, Frobenius algebras and topological field theory
GDR *"Journées Lyonnaises"*, Lyon, June 2002

Frobenius algebras, triangulations and tensor categories
Meeting on String Theory and Complex Geometry, Bad Honnef, Germany, April 2002

Conformal correlation functions, Frobenius algebras and triangulations
6th Informal U.K. 1 day meeting on 2-dimensional integrable models and conformal field theory.
Oxford, Great Britain, April 2002

D-branes, open strings and tensor categories
66. Meeting of the German Physical Society, Leipzig, Germany, March 2002

Conformal boundary conditions and Frobenius algebras
Max-Planck-Institute for gravitational physics, Golm, Germany, February 2002

Frobenius algebras, triangulations and tensor categories
UC Davis, Davis, California, USA, February 2002

Frobenius algebras, triangulations and tensor categories
UC Santa Cruz, Santa Cruz, California, USA January 2002

2001 *Fuchsian Differential equations, Lie groups and correlation functions*
University of Tübingen, Germany, December 2001

D-branes and conformally invariant boundary conditions
Conformally invariant boundary conditions and Frobenius algebras
Boundaries, D-branes and singularities
Workshop on Mathematical aspects of string theory
Erwin-Schrödinger-Institute, Vienna, Austria, September 2001

Solitonic sectors, conformal boundary conditions and 3-d TFT
RTN Workshop *"Conformal symmetry and strings"*, Anttila, Sweden, September 2001

Conformal boundary conditions and three-dimensional topological field theory
NATO Workshop "Statistical field theories", Como, Italy, June 2001

The D-branes of Gepner models
CERN, Geneva, Switzerland, June 2001

Conformal boundary conditions and three-dimensional topological field theory
Max-Planck-Institute of Mathematics, Bonn, Germany, May 2001

Two-dimensional conformal field theory - some opportunities that have not been missed
University of Cologne, Germany, April 2001

Boundary conditions in conformal field theory
Beyond the Standard Model, Meeting at Bad Honnef, Germany, March 2001

Modularization and twining characters
Technical University Munich, Germany, February 2001

Solitonic sectors, conformal boundary conditions and three-dimensional topological field theory
University Paris XI, Orsay, France, February 2001

Boundaries, D-branes and singularities
Institut Henri Poincaré, Paris, France, January 2001

2000 *Conformal boundary conditions and three-dimensional topological field theory*
University of Freiburg, Freiburg, Germany, December 2000

Boundaries, D-branes and singularities
ETH Zürich, Switzerland, December 2000

Bundles of conformal blocks and their subbundles
"Géometrie algébrique complexe", conference at CIRM, Luminy, November 2000

Bundles of conformal blocks and their subbundles
ETH Zürich, Switzerland, November 2000

D-branes, open strings and quantum Hall fluids
University of Aachen, Aachen, Germany, October 2000

Solitonic sectors, conformal boundary conditions and three-dimensional topological field theory
TMR conference "Non-perturbative quantum effects 2000", Paris, September 2000

Boundaries, D-branes and singularities
24th Johns Hopkins Workshop on Nonperturbative QFT methods and their applications.
Bolyai College, Budapest, Hungary, August 2000

Conformal boundary conditions and three-dimensional topological field theory
XIII International Congress on Mathematical Physics
Imperial College, London, UK, July 2000

D-brane conformal field theory and bundles of conformal blocks
3rd European Congress of Mathematics
Barcelona, Spain, July 2000

D-branes on group manifolds and flux quantization
Ninth Marcel Grossmann Meeting
Rome, Italy, July 2000

Some applications of twining characters and orbit Lie algebras
Algebra 2000, Pacific Institute for the Mathematical Sciences
Edmonton, Canada, June 2000

Strings on group manifolds and generalized minimal surfaces
University of Freiburg, Freiburg, Germany, June 2000

D-branes on group manifolds and flux quantization
IHES, Bures-sur-Yvette, France, June 2000

What is and why do we study conformal field theory?
University of Regensburg, Regensburg, Germany, May 2000

D-branes on group manifolds and flux quantization
University of Heidelberg, Heidelberg, Germany, May 2000

Conformal boundary conditions and three-dimensional topological field theory
GDR "Structures non perturbatives en théorie des champs et des cordes"
ENS Lyon, France, May 2000

D-branes on group manifolds and flux quantization
Workshop on Duality, String Theory and M-Theory
Erwin-Schrödinger-Institute, Vienna, Austria, April 2000

D-branes on group manifolds and flux quantization
UC Berkeley, Berkeley, California, USA, April 2000

D-branes on group manifolds and flux quantization
Rutgers University, New Jersey, USA, March 2000

Conformal boundary conditions and three-dimensional topological field theory
Rutgers University, Mathematics Department, New Jersey, USA, March 2000

Conformal boundary conditions and three-dimensional topological field theory
Séminaire commun Ecole Polytechnique - Ecole Normale Supérieure
Groupes quantiques, France, March 2000

Conformal boundary conditions and three-dimensional topological field theory
NIKHEF, Amsterdam, The Netherlands, March 2000

Non-simply conncected Lie groups and chiral conformal field theory
Séminaire Dual, Université de Nantes, France, February 2000

1999 *Conformal boundary conditions and three-dimensional topological field theory*
Séminaire Commun École Normale Supérieure – LPTHE, Paris, December 1999

Symmetry breaking and WZW branes
Workshop on Non-Commutative Gauge Theory
Lorentz Center, Leiden, The Netherlands, November 1999

Symmetry breaking and WZW branes
Workshop on applications of integrability
Erwin-Schrödinger-Institute, Vienna, Austria, September 1999

Some remarks on conformally invariant boundary condition
Workshop on mesoscopic systems
Ascona, Switzerland, July 1999

Traces on bundles of conformal blocks and boundary conditions in CFT
Workshop on Geometry and quantization of symplectic manifolds and quantum integrable systems
Ascona, Switzerland, July 1999

D-branes and broken bulk symmetries
Workshop on D-branes, vector bundles and bound states, IHES, Bures-sur-Yvette, France, June 1999

D-branes and broken bulk symmetries
University of Torino, Torino, Italy, May 1999

D-brane CFT and traces on bundles of conformal blocks
Workshop on mathematical aspects of string theory, Mathematisches Forschungsinstitut Oberwolfach, Germany, April 1999,

D-brane conformal field theory
Ecole Polytechnique Palaiseau, France, April 1999

Boundary conditions in conformal field theory
UC Berkeley, Mathematics Department, Berkeley, California, USA, March 1999

D-brane conformal field theory
UC Berkeley, Berkeley, California, USA, March 1999

Introduction to boundary conformal field theory
3 lectures at ETH Hönggerberg, Zürich, Switzerland

1998 *Boundary conditions for open strings and tadpole cancellation*
Workshop on BRST quantization and anomalies, Erwin-Schrödinger-Institute, Vienna, Austria, October 1998.

Simple currents, orbifolds and T-duality
Workshop on "Conformal field theory of D-branes", DESY, Hamburg, Germany, September 1998.

Twining characters and orbit Lie algebras
Workshop on Generalized Kac-Moody algebras, Mathematisches Forschungsinstitut Oberwolfach, Germany, July 1998,

Traces on spaces of conformal blocks
Eötvös Lorand University, Budapest, Hungary, June 1998,

D-brane conformal field theory
Eötvös Lorand University, Budapest, Hungary, June 1998,

D-brane conformal field theory
Technical University of Vienna, Vienna, Austria, May 1998,

D-brane conformal field theory
CERN, Geneva, Switzerland, March 1998,

D-branes: from free fields to non-trivial backgrounds
University of Heidelberg, Heidelberg, Germany, January 1998

D-branes: from free fields to non-trivial backgrounds
University of Kaiserslautern, Kaiserslautern, Germany, January 1998

1997 *Twining characters and a classifying algebra for boundary conditions*
Università di Roma II (Tor Vergata), Italy, December 1997,

Boundary conditions in conformal field theory
ETH Hönggerberg, Zürich, Switzerland, November 1997,

Twining characters and orbit Lie algebras
ETH Zentrum, Zürich, Switzerland, November 1997,

Boundary conditions in conformal field theory
Niels-Bohr-Institute, Copenhagen, Danmark, November 1997,

Boundary conditions in conformal field theory
DESY, Hamburg, Germany, November 1997,

A classifying algebra for boundary conditions
31st International Ahrenshoop Symposium, Buckow, Germany, September 1997,

Coset conformal field theories, gauged WZW-models and fixed points
NIKHEF, Amsterdam, The Netherlands, June 1997,

A systematic approach to cyclic orbifolds
CERN, Geneva, Switzerland, June 1997,

A complex of coinvariants for conformal blocks
Workshop on Verlinde formulae and conformal blocks, Mathematisches Forschungsinstitut Oberwolfach, Germany, March 1997,

Kac-Moody algebras, WZW-models, and Verlinde formulae for (non-)simply connected groups
Workshop on Verlinde formulae and conformal blocks, Mathematisches Forschungsinstitut Oberwolfach, Germany, March 1997,

Algebraic aspects of orbifold theories
Beyond the Standard Model, Meeting at Bad Honnef, Germany, March 1997

1996 *Outer automorphisms of (generalized) Kac-Moody algebras*
UC Lie Group and Lie Algebra Workshop, Santa Cruz, California, USA, December 1996,

Coset conformal field theories and fixed point theories
USC, Los Angeles, California, USA, November 1996,

Twining characters and orbit Lie algebras
UC Davis, Davis, California, USA November 1996,

Twining characters and orbit Lie algebras
UC Riverside, Riverside, California, USA October 1996,

Coset theories, twining characters and orbit Lie algebras
UC Berkeley, Berkeley, California, USA October 1996,

Twining characters and orbit Lie algebras
UC Santa Cruz, Santa Cruz, California, USA October 1996,

Twining characters and orbit Lie algebras
Séminaire sur la théorie des groupes (M. Duflo, B. Julia, M. Vergne) September 1996,
Ecole Normale Superieure, Paris, France

Twining characters, orbit Lie algebras and coset theories
XXVIII Summer Institute on String Theory and Extended objects, August 1996,

Ecole Normale Superieure, Paris, France

Twining characters and orbit Lie algebras
XXI International Colloquium on Group Theoretical Methods in Physics
July 1996, Goslar, Germany

Coset conformal field theories, gauged WZW-models and fixed points
University of Mainz, Mainz, Germany, June 1996

Twining characters, coset conformal field theories and modular invariants
Workshop on conformal and topological field theory and integrable models,
Erwin-Schrödinger-Institute, Vienna, Austria, March 1996

Fixed point resolution in coset conformal field theories
University of Kaiserslautern, Kaiserslautern, Germany, February 1996

Twining characters and orbit Lie algebras
Séminaire commun Ecole Polytechnique - Ecole Normale Supérieure
Groupes quantiques, Palaiseau, France, February 1996

Twining characters and orbit Lie algebras as a novel tool in conformal field theory
IHES, Bures-sur-Yvette, France, January 1996

Galois symmetry in conformal field theory
DESY, Hamburg, Germany, January 1996

1995 *Field identification fixed points and twining characters*
ETH Hönggerberg, Zürich, Switzerland, December 1995

Field identification fixed points and twining characters
CEA Saclay, Gif-sur-Yvette, France, November 1995

Fixed point resolution in coset conformal field theories
CERN, Geneva, September 1995

(Quasi-)Galois symmetry and the classical limit of fusion rings
University of Munich, Munich, Germany, July 1995

(Quasi-)Galois symmetry of fusion rings
Beyond the Standard Model, Meeting at Bad Honnef, Germany, March 1995

1994 *(Quasi-)Galois symmetry of conformal field theory*
University of Princeton, Princeton NJ, USA, December 1994

(Quasi-)Galois symmetry of conformal field theory
SUNY at Stony Brook, Stony Brook NY, USA, December 1994

(Quasi-)Galois symmetry of fusion rings
Department of Mathematics, MIT, Cambridge MA, USA, December 1994

The configuration space of gauge theories
Brandeis University, Waltham MA, USA, December 1994

Galois symmetry of rational conformal field theories
Landelijk Seminarium theoretical high energy physics, Amsterdam,
The Netherlands, November 1994

The configuration space of gauge theories
University of Bonn, Bonn, Germany, October 1994

Fixed point resolution in coset conformal field theories
XIth International Congress of Mathematical Physics, Paris, July 1994

The configuration space of gauge theories
Technical University of Vienna, Vienna, Austria, June 1994

Can one obtain conformal field theories by the coset construction?
Symposium on Mathematical Physics, Enschede, The Netherlands, June 1994

The coset construction of conformal field theories
Meeting of the German Physical Society, Hamburg, Germany, March 1994

Coset conformal field theories
Beyond the Standard Model, Meeting at Bad Honnef, Germany, March 1994

1993 *Classification and Poincaré polynomials for $N = 2$ coset models*
III Alushta Conference, Alushta, Ukraine, June 1993

$N = 2$ superconformal coset models and string Compactification
Beyond the Standard Model, Meeting at Bad Honnef, Germany, March 1993

1992 *$N = 2$ superconformal coset models and their classification*
NIKHEF, Amsterdam, The Netherlands, December 1992