

# Michael M $\ddot{u}$ ger

## CURRICULUM VITÆ

### Personal data

Birth: November 28, 1965 in Darmstadt, Germany  
Nationality: German  
Address: Triftstrasse 126, 47533 Kleve, Germany  
Current employment: Radboud University Nijmegen, Institute of Mathematics  
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### Education and Career

Spring 1984 Finished grammar school  
July 1984 - June 1986 Military service  
July - August 1986 Internship in electronic industry (BOSCH)  
Oct 1986 Beginning of studies at the Technische Hochschule (Technical University) at Darmstadt  
Nov 1992 Diploma in theoretical physics, result: very good (1.0). Diploma thesis under the supervision of Prof. P. Manakos on *The effective theory for heavy quarks and its renormalization in parametric representation* (in German)  
April 1993 Beginning of Ph.D. work at the II. Institut für Theoretische Physik, Hamburg under the supervision of Dr. habil. K.-H. Rehren. Working title: *Low dimensional superselection theory, in particular aspects of group symmetry*  
April 21, 1997 Oral Ph.D. examination. Result: very good (1.0)  
May 1997 - May 1999 Postdoctoral fellow at Università di Roma “Tor Vergata”, Dipartimento di Matematica  
June 1999 - Oct 1999 Postdoctoral fellow at Università di Roma “La Sapienza”, Dipartimento di Matematica  
Nov 1999 - Apr 2000 Postdoctoral fellow at IRMA (Institut de Recherche Mathématique Avancée) Strasbourg, France  
May - Oct 2000 Postdoctoral fellow at Tel Aviv University, School of mathematical sciences  
Nov 2000 - May 2001 Postdoctoral member of the MSRI, Berkeley  
July 2001 - Aug 2004 NWO-Postdoc at the Korteweg-de Vries Instituut voor Wiskunde, Universiteit van Amsterdam and the Faculteit Wiskunde en Informatica, Utrecht  
Dec 2002 Habilitation à diriger des recherches, Strasbourg  
Feb 2003 Qualification aux fonctions de Professeur des universités  
Sept 2004 - Jun 2006 NWO-Postdoc at the Institute for Mathematics, Radboud University Nijmegen  
Since July 2006 Lecturer in Analysis at the Institute for Mathematics, Astrophysics and Particle Physics, Radboud University Nijmegen

## Scholarships and Grants

Jan 1990 - Mar 1992	Student stipend of the Studienstiftung des deutschen Volkes
Jan 1994 - Dec 1996	Dissertation scholarship of the Studienstiftung des deutschen Volkes
May 1997 - Oct 1999	Postdoctoral fellowship of the European Union within the TMR (Training and Mobility of Researchers) Network “Noncommutative Geometry and Operator Algebras”
Nov 1999 - Oct 2000	Postdoctoral fellowship of the European Union within the TMR network “Algebraic Lie Representations”
Nov 2000 - May 2001	Postdoctoral fellowship at the MSRI, Berkeley (awarded for 10 months but used only partially)
Jul/Aug & Dec 2001	Nine week grant by the Norwegian academy of sciences for a visit to Oslo
July 2001 - June 2003	Postdoctoral fellowship of the NWO (Dutch research council)
July 2003 - June 2006	Postdoctoral fellowship in the context of the ‘Pioneer’ project (NWO) of N. P. Landsman, Amsterdam.
June 2007	Grant for PhD Project by NWO (Open competitie)

## Teaching Experience

1989 - 1991	Four semesters teaching assistant for theoretical physics: quantum mechanics, thermodynamics and statistical mechanics (twice), quantum electrodynamics.
1991/92	One semester teaching assistant for Experimental Physics III and for Analysis III for electrical engineers.
Autumn 2002	‘Algebraic topology’ (3rd year, in English)
Autumn 2003	‘Differential topology I’ (4th year, in English)
Spring 2004	‘Differential topology II’ (4th year, in English)
Autumn 2004	‘Ordinary differential equations’ (3rd year, in Dutch)
Spring 2005	‘Differential topology and geometry’ (4th year, in Dutch)
Autumn 2005	‘Ordinary differential equations’ (3rd year, in Dutch)
Spring 2006	‘Analysis I’ (1st year, In Dutch)
Autumn 2006	‘Analysis II’ (2nd year, In Dutch)
Autumn 2006	‘Ordinary differential equations’ (3rd year, in Dutch)
Spring 2007	‘Analysis III’ (2nd year, In Dutch)
Autumn 2007	‘Topics in low-dimensional topology and topological quantum field theory’ in the MRI Master Class ‘Quantum groups, affine Lie algebras and their applications’
Spring 2008	‘Introduction to Fourier analysis’ (2nd year, one quarter, in Dutch)
Autumn 2008	Topology (3rd year, in Dutch)
Autumn 2008	Group theory for physicists (3rd year, one quarter, in Dutch)
Spring 2009	Operator algebras (in Dutch)
Spring 2009	‘Introduction to Fourier analysis’ (2nd year, one quarter, in Dutch)
Autumn 2009	Topology (3rd year, in Dutch)
Autumn 2009	Group theory for physicists (3rd year, one quarter, in Dutch)
Autumn 2009	$C^*$ -algebras (MRI Master Class ‘Non-commutative Geometry’)
Spring 2010	Quantum invariant theory (Master)
Spring 2010	‘Introduction to Fourier analysis’ (2nd year, one quarter, in Dutch)
Autumn 2010	Topology (3rd year, in Dutch)
Autumn 2010	Group theory for physicists (3rd year, one quarter, in Dutch)

## Administrative Experience

since 1999	Referee for Adv. Math., Arab J. Sci. Eng., Commun. Contemp. Math., Commun. Math. Phys., Fields Inst. Commun., Int. J. Math., Int. Math. Res. Not., J. Alg., J. Math. Phys., J. Pure Appl. Alg., J. Reine Angew. Math., London Math. Soc., Rev. Math. Phys., Theor. Appl. Categ., Transf. Groups.
2002	Coorganisation (with N. P. Landsman and I. Moerdijk) of a national seminar on ‘Tensor categories and mathematical physics’
2003	Member of the PhD committee of H. Posthuma (UvA, Amsterdam)
2005	Member of the PhD committee of P. Zito (Univ. Roma II, Rome)
2006	Member of the PhD committee of E. Reuvers (RU, Nijmegen)
Since 2006	Local organizer of the bimonthly colloquium of the NWO Cluster “Geometry and quantum theory”
Since 2007	Member of the Library Committee
2008	Member of the PhD committee of Y. Wang (Univ. Roma II, Rome)
2008	Member of the PhD committee of N. Kowalzig (Univ. Utrecht)
2010	Member of the PhD committee of C. Heunen (Radboud)

## Conferences, workshops and schools

	1991	Leipzig	Xth International Congress on Mathematical Physics
*+	1993 - 1997	Mainz, Hamburg, Berlin, Jena, Mu- nich	Annual meetings of the German physical society, section 'Mathematical Physics'
	Mar 1993	Vienna	Conference on 'Low dimensional quantum field theory'
	1994	Berlin	Symposium 'Algebraic quantum field theory and Jones theory'
	Jul 1994	Paris	XIth International Congress on Mathematical Physics
	Aug 1995	Göttingen	Conference 'Algebraic and constructive quantum field theory'
	Jul 1996	Rome	EU Conference 'Operator algebras and quantum field the- ory'
+	Jul 1996	Cargèse	NATO Advanced Study Institute 'Quantum fields and quantum spacetime'
**	Sep/Oct 1997	Vienna	Schrödinger Institute workshop on 'Local quantum physics'
+	Jun 1998	Timisoara	17th Conference on operator theory
+	Aug 1998	Copenhagen	EU conference ' $C^*$ -Algebras and their invariants'
	Aug 1998	Berlin	International Congress of Mathematicians
	Dec 1998	Strasbourg	65th Meeting of theoretical physicists and mathemati- cians
+	Jan 1999	Schladming	38. Internationale Universitätswochen für Kern- und Teilchenphysik 'Geometry and Quantum Physics'
*	Feb 1999	Vienna	Schrödinger Institute workshop on 'Modular theory in local quantum physics'
	Jul 1999	Cargèse	EU Conference 'Operator Algebras and Non Commuta- tive Geometry'
	Jul 1999	Coimbra	School on category theory and its applications
+	Jul 1999	Coimbra	Category Theory 99
*	Aug 1999	Cortona	$C^*$ -algebras and tensor categories
*	Sep 1999	Strasbourg	EU 'Workshop on Quantum groups and knot theory'
	May 2000	Paris	EU Conference 'Orbits, crystals and representation the- ory'
*	Jun 2000	Siena	Mathematical Physics in Mathematics and in Physics. Quantum and Operator Algebraic Aspects
+	Sep 2000	Île Berder (Bre- tagne)	Informal workshop on 'Modularization'.
	Sep 2000	Dijon	EU Conference 'Moshe Flato 2000'.
*	Nov 2000	Kyoto	Modular invariance, ADE, subfactors and geometry of moduli spaces.
*	Dec 2000	MSRI Berkeley	Subfactors and algebraic aspects of quantum field theory.
	Jan 2001	MSRI	Free probability and non-commutative Banach spaces
	Apr 2001	MSRI	Quantization and non-commutative Geometry
	Apr 2001	MSRI	29th Canadian Symposium on Operator Algebras
	Jun 2001	New Hampshire	Great Plains Operator Theory Symposium
+	Jul 2001	Constanta	4th Operator Algebras International Conference 'Opera- tor algebras and mathematical physics'
*	Aug 2001	Lyseby	8th Danish-Norwegian Meeting on Operator Algebras
+	Nov 2001	Göttingen	Workshop on Local quantum physics

*	Feb 2002	Strasbourg	69ème rencontre entre physiciens théoriciens et mathématiciens: Groupes quantiques, algèbres de Hopf et leurs applications
	May 2002	Strasbourg	70ème rencontre entre physiciens théoriciens et mathématiciens: Infinite dimensional groups and manifolds in mathematics and quantum physics
	May/Jun 2002	Berlin	QFT Workshop Berlin
++	Jun 2002	Oberwolfach	Index theorems and modularity in operator algebras
	Sep 2002	Strasbourg	71ème rencontre entre physiciens théoriciens et mathématiciens : Graphs and Cohomology in Mathematical Physics
+	Sep 2002	Fields Institute Toronto	Workshop on Categorical Structures for Descent and Galois Theory, Hopf Algebras and Semiabelian Categories
	Mar 2003	Rome, Univ. II	Workshop on conformal field theory
	Jan 2004	Göttingen	Workshop ‘Foundations and Constructive Aspects of QFT’
	Jan 2004	Oberwolfach	DMV Seminar: ‘The Novikov-Conjecture: Geometry and Algebra’
	Mar 2004	Münster	Workshop ‘ $L^2$ -Invariants, Measure Theory and Geometric Group Theory’
*	Jun 2004	Vienna	ESI Program on ‘Tensor categories in mathematics and physics’, 2 weeks
*	Jul 2004	Hamburg University	14th Workshop ”Foundations and Constructive Aspects of QFT”
	Jul 2004	IHP Paris	Noncommutative Geometry
	Jul 2004	Saclay Paris	Symposium in honor of J. Bros ”Rigorous Quantum Field Theory”
	Jan 2005	Göttingen	15th Workshop ”Foundations and Constructive Aspects of QFT”
*	July 2005	Sydney	Conference ‘Categories in Algebra, Geometry and Mathematical Physics’ in honor of Ross Street’s sixtieth birthday and satellite workshop in Canberra.
	July 2005	Canberra	Instructional program and workshop ‘Non-commutative geometry and index theory’
	Aug 2005	Leiden	Workshop ‘Arithmetic Geometry and High Energy Physics’
	Oct 2005	Oberwolfach	Workshop ‘Noncommutative geometry and Quantum Field Theory’
	Dec 2005	Göttingen	17th Workshop ”Foundations and Constructive Aspects of QFT”
	May 2006	Hamburg	18th Workshop ”Foundations and Constructive Aspects of QFT”
*	June 2006	Strasbourg	“Knots and Physics”
*	November 2006	Rome	‘Recent Advances in Operator Algebras’
	April 1-7, 2007	Oberwolfach	Arbeitsgemeinschaft “Conformal field theory”
	April 12-13, 2007	Leiden	Nederlands Mathematisch Congres
*	June 28, 2007	Leipzig	Symposion “Quantum structures”
	June 29-30, 2007	Leipzig	20th Workshop ”Foundations and Constructive Aspects of QFT”
	July 2-6, 2007	ETH Zürich	“The electron is inexhaustible”, Conference on the occasion of the 61th birthday of J. Fröhlich

	6.-8.8.2007	MPIM Bonn	Workshop “Quantum Groups and Noncommutative Geometry”
	8.-12.10.2007	Oberwolfach	Arbeitsgemeinschaft “Percolation”
	7.12.2007	Hamburg	Colloquium in honour of the 60th birthday of Klaus Fredenhagen
*	14.-18.4.2008	CIRM Marseille	Conference “Dynamical quantum groups and fusion categories” (3 hour minicourse on fusion categories)
	May 4-10, 2008	MFO Oberwolfach	Workshop “Invariants in Low-Dimensional Topology”
	June 6-7, 2008	Hamburg	22d Workshop ”Foundations and Constructive Aspects of QFT”
*	10.-12.9.2008	Pontevedra (Spain)	”Seminar on Categories and Applications” (Main speaker)
*	15.-19.9.2008	ESI Vienna	Workshop “Operator algebras, conformal field theory and related topics”
	30.-31.1.2009	Göttingen	23rd Workshop ”Foundations and Constructive Aspects of QFT”
*	19.-22.3.2009	Bloomington	Conference “Modular Categories and Applications”
	29.-31.7.2009	Göttingen	Conference ”Algebraic Quantum Field Theory - the first 50 years”
*	3.-8.8.2009	Prague	XVI. International Congress on Mathematical Physics
*	31.8.-4.9.2009	Cordoba/Argentina	Colloquium on Hopf algebras, quantum groups and tensor categories
	18.-19.6.2010	Münster	26th Workshop “Foundations and Constructive Aspects of QFT”
*	21.-25.6.2010	Cardiff	LMS Meeting and Workshop on Operator Algebras and Physics
	28.6.-1.7.2010	Nijmegen/Amsterdam	QFT Conference “Geometry and Quantum Theory”
*	30.8.-3.9.2010	Clermont Ferrand	Conference “Quantum groups”
	22.-25.9.2010	Roma, Acc. Lincei	“Seminal Interactions between Mathematics and Physics”
*	29.-31.10.2010	Oxford	“Categorical (co)algebraic methods in quantum informatics and linguistics”
*	14.-15.4.2011	Enschede	Nederlands Mathematisch Congres
*	12.-16.9.2011	Simons Center Stony Brook	Workshop ‘Topological Quantum Computing’
*	31.10.-2.11.2011	Erlangen	Workshop ‘Representation Theoretical and Categorical Structures in Quantum Geometry and Conformal Field Theory’
	9.-13.1.2012	RIMS, Kyoto	Conference ‘Conference on von Neumann Algebras and Related Topics’
	12.3.-16.3.2012	AIM, Palo Alto	Workshop ‘Classifying fusion categories’
*	11.6.-14.6.2012	Oslo	Conference ‘Noncommutative geometry and quantum groups’

In this table, + represents a lecture and \* an invited talk.

## Talks

In the third column,  $U, C, S, W$  stand for university, conference and school and workshop, respectively. The corresponding conferences and schools are found on the previous page. An ‘I’ in the first column indicates that the talk was invited. For talks given at the institution which employed me at the time I always omit it even if the talk was solicited.

	1993 - 1996	U	Hamburg	Several survey talks on low dimensional superselection theory, nuclearity and the split property, and Kac algebras
	Nov 1995	U	Hamburg	Two talks on ‘Fixpoint nets in 1+1 dimensions, quantum doubles, and Haag duality’,
	Mar 1996	C	Jena	General QFT in 1 + 1 dimensions: Construction of disorder variables, Haag duality, and hidden quantum double symmetry
	Mar 1996	U	FU Berlin	similar title
	Jul 1996	U	Rome ‘Tor Vergata’	similar title
	Aug 1996	S	NATO ASI Cargèse	Disorder operators, quantum doubles, and Haag duality
	Dec 1996	U	Hamburg	Superselection structure of massive quantum fields in 1 + 1 dimensions: No-go theorems and positive results
	Dec 1996	U	FU Berlin	same title
	Jan 1997	U	Kaiserslautern	Massive quantum field theories in 1+1 dimensions: Superselection theory, solitons, and spontaneously broken quantum symmetries
	Jan 1997	U	Göttingen	Superselection structure of massive quantum fields in 1+1 dimensions
I	Mar 1997	C	Munich	same as above
	Sep 1997	C	Vienna	Two talks: Charged fields with group symmetry and degenerations of Verlinde’s matrix $S$ , Superselection structure of massive quantum fields in 1+1 dimensions
	Apr 1998	U	Rome ‘Tor Vergata’	Soliton automorphisms in QFTs in 1+1 dimensions
I	Jun 1998	U	Swansea	Compact group duality and the modular closure of braided tensor categories
I	Jun 1998	U	Cardiff	Conformal orbifold models and the twisted quantum double
	Jun 1998	C	Timisoara	Soliton automorphisms of QFTs in 2 dimensions, conformal orbifold models, and the twisted quantum double
I	Jun 1998	U	Budapest	Several informal talks at the KFKI and at the Eötvös University
	Aug 1998	C	Copenhagen	The modular closure of braided tensor categories
	Dec 1998	U	Rome ‘La Sapienza’	Galois theory for braided tensor categories and the modular closure
I	Dec 1998	U	Göttingen	Two talks: Galois theory for braided tensor categories and the modular closure, Soliton automorphisms of massive and conformal QFTs in two dimensions and conformal orbifold models
	Jan 1999	S	Schladming	The modular closure of braided tensor categories

	Feb 1999	C	Vienna	Ocneanu's asymptotic subfactor, the Longo-Rehren subfactor and the quantum double of tensor *-categories
I	Mar 1999	U	Strasbourg	Galois theory for braided tensor categories and the modular closure
	Jul 1999	C	Coimbra	A categorical approach to paragroup theory and the center (quantum double) of tensor categories
I	Aug 1999	C	Cortona	A categorical approach to paragroup theory and the center (quantum double) of tensor categories
I	Sep 1999	C	Strasbourg	Categorical approach to paragroup theory and the quantum double of tensor categories
	Nov/Dec 1999	U	Strasbourg	Series of three talks: Subfactors, Morita equivalence of tensor categories, and topological invariants
I	Dec 1999	U	Potsdam	New results on braided tensor categories and their relations to tensor categories with and without symmetry
I	Jan 2000	U	École Polytechnique Paris	The quantum double of semisimple tensor categories
I	Jan 2000	U	Univ. Paris 7	The quantum double of semisimple tensor categories
I	Jan 2000	U	CNRS Marseille	The asymptotic subfactor, the Longo-Rehren subfactor, and the quantum double of $C^*$ -tensor categories
	Mar 2000	U	Strasbourg	Le double quantique d'une catégorie semisimple
I	Apr 2000	U	Amsterdam	Conformal field theories and braided tensor categories
I	Apr 2000	U	Utrecht	The quantum double of semisimple tensor categories
	May 2000	U	Tel Aviv	On braided tensor categories in relation to topology, subfactors and quantum fields
	June 2000	U	Tel Aviv	Operator algebras and conformal field theory on the circle
I	Jun 2000	C	Siena	Conformal field theory and Doplicher-Roberts reconstruction
I	Sep 2000	W	Île Berder	Galois theory for braided tensor categories
I	Nov 2000	C	Kyoto	Completely rational CQFTS, local extensions and modular invariants
I	Dec 2000	C	Berkeley	Completely rational CQFTS, local extensions and modular invariants
	Mar 2001	U	MSRI	From subfactors to categories (2h)
	Apr 2001	U	Berkeley	Structure and representation theory of rational conformal field theories
I	May 2001	U	Riverside	On quantum doubles and Frobenius algebras (3h)
I	May 2001	U	Riverside	On braided and modular tensor categories (Math. Colloquium)
I	May 2001	U	Davis	On quantum doubles and Frobenius algebras
	Jul 2001	C	Constanta	The (bi)categorical view of subfactors and applications
I	Aug 2001	C	Lyseby	Representations of algebraic quantum groups and reconstruction theorems
I	Oct 2001	U	Utrecht	On braided and modular tensor categories (Math. Colloquium)
I	Nov 2001	U	FU Berlin	Conformal orbifold models and G-crossed braided categories
I	Nov 2001	U	FU Berlin	New results on modular categories and 3-manifold invariants

	Nov 2001	W	Göttingen	Local extensions and modular invariants of conformal field theories
I	Dec 2001	U	Oslo	Reconstruction theorems for tensor categories
	Jan-Mar 2002	U	Amsterdam, Utrecht	(i) Modular categories, (ii) Tannakian categories II, (iii) Recent results on tensor categories and 3d topology
I	Feb 2002	C	Strasbourg	From subfactors to categories and topology
	Mar 2002	U	Utrecht	Two lectures on Tamsamani's work on n-categories and homotopy
	7.6.2002	U	Bonn	Conformal orbifold models, G-crossed categories and quasiabelian cohomology
I	24.6.2002	C	Oberwolfach	Conformal orbifold models, G-crossed categories and quasiabelian cohomology
I	28.6.2002	C	Oberwolfach	Categorical structures for the classification of modular invariants
	Oct 2002	C	Fields Inst. Toronto	Categorical Structures in (the Representation of) Conformal Field Theory
I	Oct 2002	U	Amsterdam (Colloq.)	From conformal to topological quantum field theory
I	Oct 2002	U	Roma 'Tor Vergata'	Regular representations and reconstruction theorems for tensor categories
	Dec 2002	U	IRMA Strasbourg	Catégories tensorielles, algèbres et champs quantiques (Habilitation à diriger des recherches)
I	Dec 2002	U	Hamburg	Conformal field theory and categorical structures. Recent results. (Two talks)
I	Apr 2003	U	Metz	From conformal to topological QFT. Equivariant case.
I	Nov 2003	U	Aachen	The idempotent conjecture and the conjectures of Novikov and Baum/Connes. (6 hour lecture series.)
I	May 2004	U	Roma 'Tor Vergata'	Conformal orbifold models and braided crossed G-categories
I	June 2004	C	ESI Vienna	Conformal orbifold models and braided crossed G-categories
I	July 2004	U	U Hamburg	Conformal orbifold models and braided crossed G-categories
	Jan 2005	U	U Nijmegen	Concrete and abstract Tannaka theory for algebraic quantum groups and compact groups (4 talks)
I	Mar 2005	U	U Metz	Extensions locales des théories quantiques des champs
I	Jul 2005	C	Sydney	Modular categories and group actions on braided tensor categories
I	Jul 2005	U	Sydney (Macquarie)	Modular categories and group actions on braided tensor categories II
I	Jul 2005	U	Sydney (UNSW)	Rational conformal field theories and modular categories
I	Nov 2005	U	Princeton	Type classification of von Neumann algebras
I	Dec 2005	U	Hamburg	2 talks: "Abstract Duality Theory for Compact Groups" and "Galois Theory for Local Quantum Fields"

I	Feb 2006	U	Oslo	Conformal orbifold models and braided crossed $G$ -categories
I	May 2006	U	Freiburg	Recent developments in DHR superselection theory
I	Jun 2006	C	Strasbourg	Conformal orbifold models and braided crossed $G$ -categories
I	Nov 2006	C	Rome	New results on modular categories, with applications to conformal field theory
I	Jan 10, 2007	U	Caen	Algèbres d'opérateurs, champs quantiques et $C^*$ -catégories
I	June 28, 2007	U	Leipzig	Quantum doubles and quantum fields
I	April 14-18, 2008	C	CIRM	'Tensor categories'. Three-hour lecture series.
I	June 23, 2008	U	Amsterdam	On modular categories
I	July 2008	U	Rome	On isocategorical groups
I	Sept 12, 2008	C	Pontevedra	Compact isocategorical groups
I	Sept 19, 2008	C	Vienna	Modular categories, braided crossed $G$ -categories and conformal orbifolds
I	March 21, 2009	C	Bloomington	Embedding pre-modular categories into modular ones
I	August 7, 2009	C	Prague	Categorical structures in low-dimensional superselection theory
I	September 2, 2009	C	Cordoba (Argentina)	Isocategorical compact groups
I	June 22, 2010	C	Cardiff	Superselection theory in low dimensions, modular invariants and categorical ramifications
I	August 31, 2010	C	Clermont-Ferrand	On gradings and factorizations
I	October 25, 2010	U	Göttingen	The Witt group of modular categories
I	October 29, 2010	C	Oxford	Modular categories: A survey
I	30 March, 2011	U	Nijmegen	General colloquium: The Witt group of modular tensor categories
I	14 April, 2011	C	Enschede	On a new Witt group
I	12 September 2011	C	Stony Brook	Topological sectors in the operator algebraic approach to QFT and quantum spin systems. Review and some recent results
I	01 Nov 2011	C	Erlangen	Orbifolds of rational CFTs and braided $G$ -crossed categories
I	13 March 2012	C	AIM (Palo Alto)	Modular categories and the Witt group