

**“Finite Type Invariants, Fat Graphs and Torelli-Johnson-Morita Theory”,
CTQM Workshop, 25 March - 4 April 2008
All lectures in Aud. D4.**

PROGRAMME, 1st Week

Tue 25	08:30-10:00	REGISTRATION at Janne Christensen’s office, 2 nd . floor, room A2.33.
	10:00-10:05	Welcome by Jørgen Ellegaard Andersen
	10:05-11:00	<i>Colored Jones Polynomials with Polynomial Growth</i> (joint work with Kazuhiro Hikami) Hitoshi Murakami
	11:00-11:30	Coffee break
	11:30-12:30	<i>On the Magnus Representation of the Mapping Class Group</i> Masaaki Suzuki
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>Homology of Symplectomorphism Groups as Discrete Groups</i> Dieter Kotschick
	15:30-16:00	Coffee
Wed 26	10:00-11:00	<i>Automorphism Groups of Nilpotent Quotients of Fundamental Groups of Surfaces and Homology Cobordisms of 3-Manifolds</i> Shigeyuki Morita
	11:00-11:30	Coffee break
	11:30-12:30	<i>Dimensions of Torelli Groups</i> Dan Margalit
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>On the Work of Xiao-Song Lin</i> Nathan Habegger
	15:30-16:00	Coffee
Thu 27	10:00-11:00	<i>A Functorial Extension of the LMO Invariant and some Applications</i> Dorin Cheptea
	11:00-11:30	Coffee break
	11:30-12:30	<i>Multicurve Cohomology of Mapping Class Groups</i> Rasmus Villemoes
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>Symplectic Heegaard Splittings</i> Joan Birman
	15:30-16:00	Coffee break
16:00-18:00	Short Communications	
Fri 28	10:00-11:00	<i>Meyer’s Function of the Hyperelliptic Mapping Class Group and Related Invariants of 3-Manifolds</i> Takayuki Morifuji
	11:00-11:30	Coffee break
	11:30-12:30	<i>A Ptolemy Groupoid Action on Universal Invariants Part I: A Fatgraph Dependant Universal Invariant</i> Jean-Baptiste Meilhan
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>A Ptolemy Groupoid Action on Universal Invariants Part II: Lifting to the Ptolemy Groupoid</i> Alex Bene
15:30-16:00	Coffee	
Sat 29	10:00-11:00	<i>On the Unified Witten-Reshetikhin-Turaev Invariant for Integral Homology Spheres and its Extension to Lagrangian Cobordisms</i> Kazuo Habiro
	11:00-11:30	Coffee break
	11:30-12:30	<i>Johnson Homomorphism and Finite Type Invariants</i> Emmanuel Auclair
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>Magnus Representations of the Mapping Class Group and $\mathbb{Z}/2\mathbb{Z}$-Torsion Invariants</i> Teruaki Kitano
	15:30-16:00	Coffee
19:00-	Workshop Dinner at Restaurant Navigator, Marselisborg Havnevej 46D, Aarhus C.	

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PROGRAMME, 2nd Week

Mon 31	10:00-11:00	<i>Surface Knots and Iterated Intersection Theory</i> Kent Orr
	11:00-11:30	Coffee break
	11:30-12:30	<i>Symplectic Jacobi Diagrams and the Lie Algebra of Homology Cylinder</i> (joint work with Kazuo Habiro) Gwénaél Massuyeau
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>The Johnson Filtration of the Mapping Class Group Modulo a Prime</i> (joint work with L. Paris) Bernard Perron
	15:30-16:00	Coffee
Tue 01	10:00-11:00	<i>A Refinement of the LMO Invariant for 3-Manifolds with the First Betti Number 1</i> Tomotada Ohtsuki
	11:00-11:30	Coffee break
	11:30-12:30	<i>A Topological Construction of Crossed Homomorphisms Extending the Higher Johnson Homomorphisms</i> Matthew Day
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>Representations of Mapping Class Groups coming from Integral TQFT</i> Gregor Masbaum
	15:30-16:00	Coffee break
16:00-18:00	Short Communications	
Wed 02	10:00-11:00	<i>Links between Finite Type Invariants and Seifert Surfaces</i> Christine Lescop
	11:00-11:30	Coffee break
	11:30-12:30	<i>On Configuration Space Integral of Smooth Sphere Bundles</i> Tadayuki Watanabe
	12:30-14:30	Lunch (Math. Canteen)
	15:30-16:30	<i>Nielsen Lecture: “Billiards and Teichmüller Curves”, Location: Aud. F</i> Curtis T. McMullen
	16:30-18:00	Reception in the Staff Lounge, 2 nd floor
Thu 03	10:00-11:00	<i>Generalizations of the Johnson Homomorphism</i> Andrew Putman
	11:00-11:30	Coffee break
	11:30-12:30	<i>On the Decomposition Structure of $SL(2, \mathbb{Z})$ Representations for Higher Rank TQFTs</i> Thomas Kerler
	12:30-14:30	Lunch (Math. Canteen)
	14:30-15:30	<i>On the TQFT Coming from the Restricted Quantum Group</i> Jun Murakami
	15:30-16:00	Coffee
Fri 04	10:00-11:00	<i>On Groups of Algebraic Homology Cylinders</i> Takuya Sakasai
	11:00-11:30	Coffee break
	11:30-12:30	<i>Higher-Order Signature Cocycles for Subgroups of the Torelli Group</i> Tim Cochran
	12:30-14:30	Lunch (Math. Canteen)

End of Workshop