



Program: PhD Retreat 28 July-15 August 2014 – WEEK 3

Monday 11 August

09:30 - 10:00	Coffee/tea	QGM lounge
10:00 - 10:45	Valentin Zakharevich (University of Texas) <i>Localization Phenomenon on Supermanifolds</i>	Øv. G 31 (1532-314)
11:15 - 12:00	Troels Bak Andersen (AU) <i>Fusion rings for quantum groups</i> Abstract: Fusion rings carry the algebraic structure of rational conformal field theories, but can be studied purely in terms of representation theory. I will show how this structure appears via tilting modules for quantum groups at a root of unity, and present some of the results of my PhD dissertation.	Øv. G 31 (1532-314)
12:00 - 14:00	Lunch	
14:00 - 16:15	Discussions and coffee	QGM lounge

Tuesday 12 August

09:30 - 10:00	Coffee/tea	QGM lounge
10:00 - 10:45	Joanna Meinel (Uni. Bonn) <i>Affine nil-Temperley-Lieb algebras</i>	Øv. G 31 (1532-314)
11:15 - 12:00	Ammar Hussain (UC Berkeley) <i>TBA</i>	Øv. G 31 (1532-314)
12:00 - 14:00	Lunch	
14:00 - 16:15	Discussions and coffee	QGM lounge



Wednesday 13 August

09:30 - 10:00	Coffee/tea	QGM lounge
10:00 - 10:45	Travis Mandel (AU) <i>Theta Functions on Moduli of Local Systems</i>	Øv. G 31 (1532-314)
11:15 - 12:00	Alexandru Chirvasitu (UC Berkeley) <i>2-affine algebraic geometry</i>	Øv. G 31 (1532-314)
12:00 - 14:00	Lunch	
14:00 - 14:15	Coffee in the QGM lounge	
14:15 - 16:15	Games in the campus park (arranged by Simone Marzioni)	

Thursday 14 August

09:30 - 10:00	Coffee/tea	QGM lounge
10:00 - 10:45	Florian Schätz (AU) <i>Flat superconnections</i>	Øv. G 31 (1532-314)
11:15 - 12:00	Richard Hughes (University of Texas) <i>Chern-Simons Theory for Finite Gauge Groups</i>	Øv. G 31 (1532-314)
12:00 - 14:00	Lunch	
14:00 - 16:15	Disussions and coffee	QGM lounge
18:00	Retreat Dinner - more information during the retreat.	

Friday 15 August

09:30 - 10:00	Coffee/tea	QGM lounge
10:00 - 10:45	Subhojoy Gupta (AU/Caltech) <i>Complex projective structures and the holonomy map</i> Abstract: Complex projective (or CP^1) structures on a surface S arise in the "complex analytic" description of Teichmüller space. This talk shall be an introduction to the space $P(S)$ of such structures and the holonomy map from $P(S)$ to the $PSL(2,C)$ -character variety. I shall discuss the Thurston parametrization of $P(S)$ in terms of "grafting", and talk of joint work with Shinpei Baba concerning fibers of the holonomy map.	Øv. G 31 (1532-314)
11:15 - 12:00	Disussions	Øv. G 31 (1532-314)
12:00 - 14:00	Lunch	
14:00 - 16:15	Disussions and coffee	QGM lounge