

32nd Workshop

“Foundations and Constructive Aspects of Quantum Field Theory”

Department of Mathematics, University of Wuppertal

May 31 – June 1, 2013

All talks will take place in **Lecture hall HS 5, G.10.07**, Campus Griffenberg.

Friday, May 31, 2013:

Time	Speaker	Title
14:00 - 14:10	Welcome address	–
14:10 - 14:50	Marcel Bischoff	Characterization of rational conformal QFTs and their boundary conditions
14:55 - 15:35	Yoh Tanimoto	Wigner particles in conformal field theory are free
15:40 - 16:00	coffee break	at Besprechungszimmer, D.13.08
16:00 - 16:40	Sergio Albeverio	On the problem of stochastic quantization
16:45 - 17:25	Atle Hahn	A simplicial approach to the non-Abelian Chern-Simons path integral
17:30 - 17:50	break	at Besprechungszimmer, D.13.08
17:50 - 18:30	Michal Wrochna	Construction of Hadamard states by pseudo-differential calculus
18:35 - 19:15	Daniel Siemssen	Scale-Invariant Curvature Fluctuations from an Extended Semiclassical Gravity
19:20 - ...	dinner	at Kneipe Uni Wuppertal, building ME, floor 04.

Saturday, June 1, 2013:

Time	Speaker	Title
09:15 - 09:55	Daniel Paulino	C* Bundles and Locally C* Algebras
10:00 - 10:40	Claudio Dappiaggi	The principle of general local covariance and quantization of Abelian gauge theories
10:45 - 11:05	coffee break	at Besprechungszimmer, D.13.08
11:05 - 11:45	Katarzyna Rejzner	Quantum gravity from the point of view of locally covariant QFT
11:50 - 12:30	Maximilian Hanusch	Relations between Invariant and Distributional Connections in LQG
12:35 - 13:50	lunch break	at Besprechungszimmer, D.13.08
13:50 - 14:30	Florian Hanisch	The functorial approach to supermanifolds and application to wave equations
14:35 - 15:15	Igor Kanatchikov	Precanonical quantization: from foundations to quantum gravity
15:20 - 15:30	Closing	–