Schedule for the conference GEOQUANT

at the University of Luxembourg

7.9.2009 - 11.9.2009

General remarks:

- For each speaker either 50 or 25 minutes are assigned for the presentation, with additional 5 minutes for discussions. As the schedule is rather tight the speakers are asked to respect strictly the time limit.
- The lectures will take place in the Batiment des Sciences in the big lecture hall (BS 1.03). The lecture hall has big black-boards, an overhead projector and a beamer. In case of a beamer presentation it is preferred if you bring your pdf file on a usb-stick with you and we will upload it onto the local computer.
- There will be a **poster-session** on Thursday (10.9.). It will be on the first floor of the Sience Building. Registered participants are entitled to present a poster. But registration for presenting a poster is required during the registration process on Monday. On Thursday morning boards will be assigned to registered posters. Presenters will have to arrange the display of their posters themselves.
- Registration will be necessary and will take place Monday, 7.9.2009 from 8.30 to 9:30 in the Batiment des Recherches B (BRB) in the meeting room, ground floor. Those participants who want to join the dinner on Wednesday (with a contribution of 10 Euro per person) and/or the excursion on Wednesday afternoon (free of charge) have to declare this during the registration. Late registrations will be possible the whole Monday morning in the mentioned room. For registration at other days, please contact Katharina Heil, BRB, 1. floor, BR 1.10a

Date: 8.9.2009 (hopefully final)

Monday, September 7, 2009

8.30 - 9.30	:	Registration
9.30 - 10.00	:	Welcome
10.00 - 10.50	:	Andersen, Jorgen, Aarhus, Denmark:
		The Hitchin connection, Toeplitz operators and TQFT
11:00 - 11.30	:	Coffee break
11.30 - 12.20	:	Dai, Xianzhe, Santa Barbara, USA:
		The asymptotic expansion of Bergman kernel
12.30 - 12.55	:	Osipov, Denis, Moscow, Russia:
		Formal groups arising from formal punctured ribbons
13.00 - 14.00	:	Lunch break
14.00 - 14.50	:	Marinescu, George Cologne, Germany
		Toeplitz operators on complex and symplectic manifolds
15.00 - 15.50	:	Ma, Xiaonan, Paris, France:
		Bergman kernel and geometric quantization
15.50 - 16.20	:	Coffee break
16.20 - 17.10	:	Wendland, Katrin, Augsburg, Germany:
		Asymptotic analysis for unitary conformal field theories
17.20 - 17.45	:	Schottenloher, Martin, Munich, Germany:
		The geometric phase in QED
17.50 - 18.30	:	Sheinman, Oleg, Moscow, Russia:
		Lax operator algebras and integrable systems
18.30 - 20.00	:	Reception

Tuesday, September 8, 2009

9.30 - 10.20	:	Driver, Bruce, San Diego, USA:
		Holomorphic functions and subelliptic heat kernels over Lie group
10.30 - 11.00	:	Coffee break
11:00 - 11.50	:	Englis, Mirek, Prague, Tschech Republic:
		Toeplitz quantization on real symmetric domains
12.00 - 12.50	:	Upmeier, Harald, Marburg, Germany:
		Generalized Fock spaces on Jordan varieties
13.00 - 14.00	:	Lunch break
14.00 - 14.50	:	Gorodentsev, Alexey, Moscow, Russia:
		Functorial A infinity coproduct of combinatorial simplicial chains
		that induces itself under barycentric subdivision
15.00 - 15.50	:	Tyurin, Nikolai, Dubna, Russia:
		Non toric lagrangian fibrations of toric (and non toric) Fano varieties
15.50 - 16.20	:	Coffee break
16.20 - 17.10	:	Fujita, Hajime, Tokyo, Japan:
		Torus fibrations and localization of index
17.20 - 17.45	:	Yoshida, Takahiko, Japan:
		Torus fibrations and localization of index – application to
		locally toric Lagrangian fibrations
17.50 - 18.40	:	Shoikhet, Boris, Luxembourg:
		Bialgebras and n-monoidal categories

Wednesday, September 9, 2009

9.30 - 10.20 : Huebschmann, Johannes, Lille, France:

Line bundles on moduli and related spaces

10.30 - 11.00 : Coffee break

11:00 - 11.50 : Kori, Tosiaki, Tokyo, Japan:

Geometric pre-quantization of SU(N) flat connections on 3-manifolds

12.00 - 12.50 : Kaledin, Dmitry, Moscow, Russia:

Cotangent bundles of complex Grassmanians and

representation theory

13.00 - 14.00: Lunch break

14.00 - : **Excursion**

20.00 - 23.00 : Conference dinner: Restaurant Last Supper

Thursday, September 10, 2009

9.30 - 10.20	:	Charles, Laurent, Paris, France:
		Quantization of polygon space
10.30 - 11.00	:	Coffee break
11:00 - 11.50	:	Paoletti, Robert, Milano, Italy:
		Local asymptotics for Toeplitz operators
12.00 - 12.50	:	Shadrin, Sergey, Amsterdam:
		An explicit construction of BCOV cohomological field theory
13.00 - 14.00	:	Lunch break
14.00 - 14.50	:	Tate, Tatsuya, Nagoya, Japan:
		An asymptotic Euler-Maclaurin formula for Delzant polytopes
15.00 - 15.50	:	Karabegov, Alexander, Abilene, USA:
		Formal symplectic groupoids with separation of variables
		and Bergman idempotent
15.50 - 16.20	:	coffee break
16.20 - 17.10	:	Nohara, Yuichi, Nagoya, Japan:
		Toric degenerations of Gelfand-Cetlin systems and potential functions
17.20 - 17.45	:	Moriyama, Takayuki, Kyoto, Japan:
		Deformations of transverse Calabi-Yau structures on foliated manifolds
17.50 - 18.15	:	Baier, Thomas, Lisbon, Portugal:
		Geometric quantization of families of degenerating complex structures

During the whole day there will be the **poster presentation** on the first floor of the Batiment des Sciences building

Friday, September 11, 2009

9.30 - 10.20	:	Talalaev, Dmitry, Moscow, Russia:
		The elliptic quantum spin model
10.30 - 11.00	:	Coffee break
11:00 - 11.50	:	Natanzon, Sergey, Moscow, Russia:
		Topological string theory
12.00 - 12.50	:	Treschev, Dmitry, Moscow, Russia:
		Non-commutative structures and operators on Hilbert spaces
13.00 - 14.00	:	Lunch break
14.00 - 14.50	:	Bondal, Alexey, Aberdeen, UK:
		Orthogonal decomposition of Lie algebras and
		a problem of quantum information
15.00 - 15.50	:	Mano, Toshiyuki, Kyoto, Japan:
		The Riemann-Wirtinger integral and its application
15.50 - 16.20	:	Coffee break
16.20 - 17.00	:	Khudaverdian, Hovhannes, Manchester, UK:
		Differential forms in an odd symplectic geometry and Pfaffians
17.00	:	Closing