Dear Colleagues,

we are happy to inform you that the

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International School and Conference
GEOQUANT 2013
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will take place at the Erwin-Schrödinger International Institute for Mathematical Physics in Vienna Austria from

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August 19 - 30, 2013
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The first week (August 19 - 24, 2013) will be a summer school addressing mainly students, post-docs and other researchers who are interested in entering the field. The second week (August 26 - 30, 2013) will be an international conference.

The scientific topics are

- algebraic-geometric and complex-analytic-geometric aspects of quantization
- geometric quantization and moduli space problems
- asymptotic geometric analysis
- infinite-dimensional geometry
- relations with modern theoretical physics.

The School:
The following lecturers agreed to give courses (some titles are still tentative.)

- Harald Grosse (Vienna, Austria): *An introduction to non-commutative quantum field theory*

- Alexander Kuznetsov (Steklov Mathematical Institute, Moscow, Russia): *Derived Categories in Geometry - i.e. moduli spaces*

- Yoshihiro Ohnita (Osaka City University, Japan): *Hamilton stability problem of Lagrangian submanifolds in Kähler manifolds*

- Vincent Rivasseau (Paris, France): *Random Tensors* (to be confirmed)

- Alexander Varchenko (UC at Chapel Hill): *Bethe algebras and geometric Langlands correspondence*

- Katrin Wendland (University of Freiburg, Germany): *K3 surfaces: Geometry, conformal field theory and number theory*

The Conference:

The talks presented on the conference part are not yet fixed.

Financial Support:

We are grateful to the ESI for supplying both the frame and generous support. At the moment we are still applying for additional funding at different institutions. We are quite optimistic, that we will be able to support a part of the local costs of some of the speakers of the conference and in particular some young researchers attending the school.

Details will appear later.

Webpage:

As soon as further details will be known they will appear on the webpage of the activity http://math.uni.lu/geoquant2013

Scientific Organization Committee:

Harald Grosse, (Vienna, Austria) Ryoichi Kobayashi (Nagoya University, Japan), Martin Schlichenmaier (Luxembourg University, Luxembourg), Armen Sergeev (Steklov Mathematical Institute, Moscow, Russia), Oleg Sheinman (Steklov Mathematical Institute, Moscow, Russia), Weiping Zhang (Chern Institute of Mathematics, Tianjin, P.R.China),

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