

GEOQUANT 2013
August 19 - 30**Organized by:****Pierre Bieliavsky, Harald Grosse, Ryoichi Kobayashi,
Martin Schlichenmaier, Armen Sergeev, Oleg Sheinman, Weiping Zhang****Summer School Schedule: August 19 - 23, 2013****• Monday, August 19, 2013:****09:30 Registration and Opening**

[Prof. Schlichenmaier on behalf of the Organizers and Prof. Schwermer, ESI]

09:45 – 10:45 Katrin Wendland*K3 surfaces: Geometry, conformal field theory and number theory I*

10:45 – 11:15 Coffee break

11:15 – 12:15 Yael Fregier*Moduli spaces of algebraic structures and Maurer-Cartan equations I*

12:15 – 14:00 Lunch break

14:00 – 15:00 Yoshihiro Ohnita*Hamiltonian stability problem of Lagrangian submanifolds in Kähler manifolds I***15:10 – 16:10 Alexander Kuznetsov***Derived categories of coherent sheaves and moduli spaces I***• Tuesday, August 20, 2013****09:30 – 10:30 Katrin Wendland***K3 surfaces: Geometry, conformal field theory and number theory II*

10:30 – 11:00 Coffee break

11:00 – 12:00 Harald Grosse*Noncommutative Quantum Field Theory I*

12:00 – 14:00 Lunch break

14:00 – 15:00 Yael Fregier*Moduli spaces of algebraic structures and Maurer-Cartan equations II***15:10 – 16:10 Yael Fregier***Moduli spaces of algebraic structures and Maurer-Cartan equations III*

16:30 – 17:30

Discussion and problem session

- **Wednesday, August 21, 2013**

09:30 – 10:30 **Vincent Rivasseau**

Random Tensors I

10:30 – 10:50 Coffee break

10:50 – 11:50 **Katrin Wendland**

K3 surfaces: Geometry, conformal field theory and number theory III

12:00 – 13:00 **Boris Shoikhet**

About deformations

- **Thursday, August 22, 2013**

09:30 – 10:30 **Vincent Rivasseau**

Random Tensors II

10:30 – 11:00 Coffee break

11:00 – 12:00 **Harald Grosse**

Noncommutative Quantum Field Theory II

12:00 – 14:00 Lunch break

14:00 – 15:00 **Yoshihiro Ohnita**

Hamiltonian stability problem of Lagrangian submanifolds in Kähler manifolds II

15:10 – 16:10 **Alexander Kuznetsov**

Derived categories of coherent sheaves and moduli spaces II

16:30 – 17:30

Discussion and problem session

- **Friday, August 23, 2013**

09:30 – 10:30 **Vincent Rivasseau**

Random Tensors III

10:30 – 11:00 Coffee break

11:00 – 12:00 **Harald Grosse**

Noncommutative Quantum Field Theory III

12:00 – 14:00 Lunch break

14:00 – 15:00 **Yoshihiro Ohnita**

Hamiltonian stability problem of Lagrangian submanifolds in Kähler manifolds III

15:10 – 16:10 **Alexander Kuznetsov**

Derived categories of coherent sheaves and moduli spaces III

16:30 – 17:30

Discussion and problem session

All lectures take place at the ESI Boltzmann Lecture Hall