Schedule for Conference Geoquant 2015, ICMAT, Madrid September 14 – 18, 2015

(Version of 28.8. – Changes are still possible - please check regularly)

The slots for talks are either 60 minutes (meaning 50 minutes talk + 10 minutes discussion) or 30 minutes (meaning 25 minutes talk + 5 minutes discussions)

Monday, 14.9.2015:

10:00 : Wellcome

10:30 – 11:30: Motohiko Mulase Topological recursion, 2D TQFT, and quantization of Hitchin spectral curves

11:30 - 12.00: Coffee break

12.00 – 13:00: Indranil Biswas Bohr-Sommerfeld Lagrangians of moduli spaces of Higgs bundle

13:00 - 14:30: Lunch break

14:30 – 15:30: Andre Oliveira Geometry of quadratic pairs moduli spaces

 $15{:}30-16.00{:}$ Coffee break

16:00 – 17:00: **Tomas Gomez** Torelli theorem for the parabolic Deligne-Hitchin moduli space

17:10 – 17:40: **Hajime Fujita** *T.B.A.*

Tuesday, 15.9.2015:

10:00 - 11:00: **Peter Gothen** Birationality of moduli of U(p,q)-Hitchin pair

11:00 - 11.30: Coffee break

11.30 – 12:30: Jorgen E. Andersen *TBA*

12:30 - 14:00: Lunch break

14:00 – 15:00: **Jan Manschot** Sheaves on surfaces and generalized Appell functions

15:00 - 15.30: Coffee break

15:30 – 16:30: **Hao Xu** Asymptotics of Bergman kernel and deformation quantization

16:40 –17:10 : Alexander Karabegov

On the phase form of a deformation quantization with separation of variables

17:20 –17:50 : Siye WuTBA

Wednesday, 16.9.2015:

10:00 – 11:00: Sergei Lando Computation of universal polynomials for characteristic classes of singularities

11:00 - 11.30: Coffee break

11.30 – 12:00: Elena Bunkova Formal group for elliptic function of level 3

12:10 – 12:40: Mirek Englis Orthogonal Polynomials, Laguerre Fock Space and Quasi-classical Asymptotics

12:30 - 14:00: Lunch break

Free afternoon – Excursion

Thursday, 17.9.2015:

10:00 – 11:00: **Tomoyuki Hisamoto** On uniform K-stability

11:00 - 11.30: Coffee break

11.30 – 12:30: **Yuji Sano** *Quantization of extremal metrics and the modified K-energy*

12:30 - 14:00: Lunch break

14:00 – 15:00: Andrey E. Mironov Commuting ordinary differential operators with polynomial coefficients and automorphisms of the first Weyl algebra

15:00 - 15.30: Coffee break

15:30 – 16:00: **Oleg K. Sheinman** Lax operator algebras, Hitchin systems, spinning tops, etc.

16:10 - 16:40:

Andrei I. Shafarevich Lagrangian manifolds and Maslov indices corresponding to the spectral series of Schrödinger operators with delta-potentials on symmetric manifolds

16:40-18:00 Poster session

Conference Dinner in the evening

Friday, 18.9.2015:

10:00 – 11:00: **Anton Fonarev** Derived categories of curves as components of Fano varieties

11:00 – 11.30: Coffee break

11.30 – 12:30: Akishi Kato Quiver mutation loops and partition q-series

12:30 - 14:00: Lunch break

14:00 - 15:00: **T.B.A**; Indian Guest of Oscar either one with 1 hour or two with 1/2 hour talk

 $15{:}00-15{.}30{:}$ Coffee break

15:30 – 16:30: Luis Alvarez-Consul Gravitating vortices, cosmic strings and the Kähler-Yang-Mills equations

16:30: **Closing**