

Summer School GEOQUANT 2019

National Tsing Hua University, NTHU, Taiwan

September 2 – 6, 2019

The school constitute the first week of the biannual activity GEOQUANT, which this year will take place from September 2 – 13, 2019 in Taiwan. The school mainly addresses students, post-docs and other researchers who are interested in entering the field of Geometry and Quantization. For more information about the topics of the full activity see the webpage <http://math.uni.lu/geoquant2019>.

Lectures

- Akito Futaki (University of Tokyo, Tokyo; Tsinghua University, Beijing), *GIT stability, constant scalar curvature Kähler metrics and deformation quantizations*
- Nan-Kuo Ho (National Tsing Hua University, Hsinchu), *On the moduli space of flat bundles*
- Igor Krichever (Skoltech Center for Advanced Studies, Moscow), *Algebraic-geometrical integration theory of soliton equations and its applications*
- Motohico Mulase (University of California, Davis), *Quantization of Higgs bundles through the Gaiotto correspondence*
- Richard Wentworth (University of Maryland, College Park) *Determinant line bundles, Deligne pairings, and quantization*

Each of these courses are planned for 2-4 hours. In addition to them we will allow short presentations (e.g. posters, talks by the participants). Also regular discussion sessions are foreseen. Abstracts of the Lectures will be found on the above webpage.

Financial Support:

We will have a limited amount of funds for young researchers attending the school available. Details about support and registration can be found on the webpage.

Sponsors:

Ministry of Science and Technology (MOST), Taiwan; Mathematics Research Promotion Center (MRPC), Taiwan; University of Luxembourg, Department of Mathematics, Luxembourg; Centre for Quantum Geometry of Moduli Spaces, Denmark.

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