

Teichmüller Theory**Quantization and Relations with Physics****April 15 - 19, 2013****Organized by: Louis Funar, Yurii Neretin, Athanase Papadopoulos and Bob Penner****• Monday, April 15****09:30 – 10:00** Welcome & Registration**10:00 – 11:00** Yurii Neretin*Infinite symmetric group, checker topological field theories, and Feynmann diagrams***11:00 – 11:20** coffee break**11:20 – 12:20** Gregor Masbaum*TQFT and modular representations of mapping class groups***• Tuesday, April 16****09:00 – 10:00** Bob Penner*Quantum continued fractions***10:00 – 10:20** coffee break**10:20 – 11:20** Sergei Gukov*Quantization of Teichmüller space via mirror symmetry***11:30 – 12:30** Ivan Dynnikov*An algorithm to count intersections of normal curves and a matrix presentation of mapping class groups***12:30 – 14:00** lunch break**14:00 – 15:00** Rinat Kashaev*Minicourse I***• Wednesday, April 17****09:00 – 10:00** Tudor Dimofte*K-decompositions and framed flat connections on 3-manifolds***10:00 – 10:20** coffee break**10:20 – 11:20** Nariya Kawazumi*An infinitesimal version of the Dehn-Nielsen theorem***11:30 – 12:30** Hyun Kyu Kim*The dilogarithmic central extension of the Ptolemy-Thompson group via the Kashaev quantization of the universal Teichmüller space***12:30 – 14:00** lunch break**14:00 – 15:00** Rinat Kashaev*Minicourse II*

- **Thursday, April 18**

09:00 – 10:00 Nicolai Reshetikhin

Semiclassical topological quantum field theories

10:00 – 10:20 coffee break

10:20 – 11:20 Joergen Andersen

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11:30 – 12:30 Christian Zickert

Thurston's gluing equations for $PGL(n, C)$

12:30 – 14:00 lunch break

14:00 – 15:00 Rinat Kashaev

Minicourse III

- **Friday, April 19**

09:00 – 10:00 Julien Roger

Quantum Teichmüller theory at a root of unity

10:00 – 10:20 coffee break

10:20 – 11:20 Francesco Costantino

On an analytic family of representations of mapping class groups

11:30 – 12:30 Toshitake Kohno

Quantum symmetry in homological representations of braid groups

12:30 – 14:00 lunch break

14:00 – 15:00 Rinat Kashaev

Minicourse IV

All lectures take place at the ESI Boltzmann Lecture Hall