



## Center for the Topology and Quantization of Moduli Spaces



### Quantum Moduli Spaces and TQFT

WORKSHOP, 14 TO 18 AUGUST 2006

The goal of the workshop is to have a constructive discussion of such subjects as applications of cluster algebras and the theory of Toeplitz operators in the quantization of moduli spaces, quantum A-polynomials, Khovanov invariants, review of latest results, and future directions in conformal field theory and topological quantum field theory.

#### The speakers include:

V. Fock	M. Khovanov	R. Penner	C. Stroppel
S. Garoufalidis	G. Kuperberg	M. Polyak	C. Teleman
A. Gonsharov	T. Le	M. Rosso	D. Thurston
R. Kashaev	G. Masbaum	L. Rozansky	M. Yakimov

This workshop marks the beginning of the affiliation of Professor Nicolai Reshetikhin (UC Berkeley) with CTQM at Aarhus University as a Visiting Niels Bohr Professor. The Niels Bohr Visiting Professorship is sponsored by the Danish National Research Foundation. The workshop is the first event supported by this initiative which will continue for the next five years.

A very limited amount of financial support will be available for PhD students to attend the workshop and/or the master class. All participants should register online at <http://www.ctqm.au.dk/August2006>. The registration deadline is 1 August 2006.

**Organizers:** Jørgen Ellegaard Andersen and Nicolai Reshetikhin.

**Registration:** <http://www.ctqm.au.dk/August2006>

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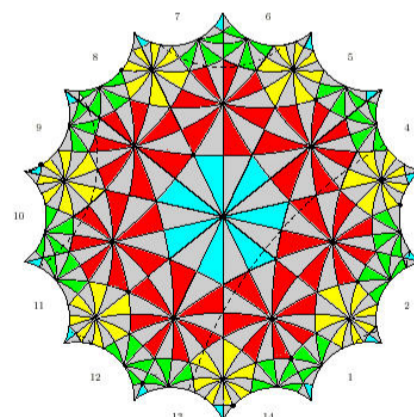
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### Decorated Teichmüller Theory

MASTER CLASS BY ROBERT PENNER (USC)  
21 AUGUST TO 1 SEPTEMBER 2006

**Abstract:** An introductory course on the Teichmüller theory of punctured surfaces including coordinates, cell decomposition, and compactifications of Riemann's moduli space and related spaces. Connections with open/closed string diagrammatics will also be discussed.

Professor Robert Penner (USC) will be visiting CTQM for a six month period starting in August 2006.



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