A A R H U S U N I V E R S I T E T



Center for the Topology and Quantization of Moduli Spaces





Максн 9, 2006

The opening symposium marks the creation of the *Center for the Topology and Quantization of Moduli Spaces* at the Department of Mathematical Sciences, Faculty of Science, University of Aarhus. CTQM is funded by a grant from the Danish Natural Science Research Council.

The center focuses on the topology and quantization of moduli spaces of various structures on two-dimensional surfaces and their mapping class groups. It is a collaborative project involving algebraic topology, algebraic geometry, quantum algebra, Riemann surface theory, gauge theory and Berezin-Toeplitz quantization together with mathematical aspects of quantum field theory and string theory.

Programme

09:30-09:45	Registration
09:45-10:00	Welcome
10:00-11:00	NIGEL HITCHIN (Oxford)
	Spectral curves and Langlands duality
11:00-11:30	Coffee break
11:30-12:30	MAXIM KONTSEVICH (IHES)
	On motives in finite characteristic

A number of PhD scholarships and Post Doc positions, beginning august 2006, will be available at CTQM. For more information consult www.ctqm.au.dk or contact the director of the center, Jørgen Ellegaard Andersen, at andersen@imf.au.dk.

The portrait of Nigel Hitchin is courtesy of Rob Judges

- 12:30–14:00 Lunch
- 14:00–15:00 DENNIS SULLIVAN (CUNY) Compactified moduli space and string topology of the free loop space of a manifold
 15:00–15:30 Coffee break
 15:30–16:30 N. N. Tba
 16:30–16:45 Coffee break
 16:45–17:45 ROBBERT DIJKGRAAF (Amsterdam) Gromov-Witten invariants and Gauge Theory
 18:30 Dinner

Participants are asked to register at www.ctqm.au.dk/OS by March 6, 2006.