**PhD Scholarships and Postdoc Positions**

**From 2011 at**

**Centre for Quantum Geometry of Moduli Spaces (QGM)**

**Department of Mathematical Sciences, Faculty of Science, Aarhus University**

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### PhD scholarships

The centre follows the online application procedure for PhD scholarships at the Faculty of Science, University of Aarhus, available at: [http://science.au.dk/phd/](http://science.au.dk/phd/).

There are 4 annual application rounds. Next deadline is 1 November 2010.

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### Postdoc positions

Three 2-year postdoctoral positions are open from August 2011 at QGM. The positions also offer the opportunity to spend up to ½ year at one of the following collaborating institutions: UC Berkeley, Oxford University or IHÉS in Paris.


Application deadline is 10 December 2010.

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**QGM** is located at the Department of Mathematical Sciences, Faculty of Science, Aarhus University. The positions are made possible by grants from the Danish National Research Foundation. The centre operates in very close cooperation with Center for the Topology and Quantization of Moduli Spaces (CTQM).

The centre focuses on the geometrical 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.

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On the mathematical physics side, in particular with regard to quantum field theory and string theory, the centre operates in close collaboration with the newly created European Science Foundation research networking programme: Interactions of Low Dimensional Topology and Geometry (ITGP), and with the Geometry and Mathematical Physics School (GEOMAPS), a Danish PhD school.

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Professor Maxim Kontsevich from IHÉS, Professor Nigel Hitchin from Oxford University and Professor Nicolai Reshetikhin from UC Berkeley are partners of QGM and they will actively take part in the ongoing education and research at the centre.

The researchers attached to QGM are:

- Jørgen Ellegaard Andersen
- Henning Haahr Andersen
- Robert Penner
- Vladimir Fock
- Maxim Kontsevich
- Nicolai Reshetikhin
- Nigel Hitchin
- Alexei Venkov
- Peter Zograf

For events and visiting program, please see our website: [www.qgm.au.dk](http://www.qgm.au.dk)

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Centre for Quantum Geometry of Moduli Spaces (QGM)

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