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Citizenship: USA

Interests Algebraic geometry and related fields

Education Princeton University PhD in Mathematics expected in 2007

Cambridge University Part III Tripos in applied mathematics, distinction, 2002

Harvard University AB in Mathematics *summa cum laude*, 2001

Honors National Science Foundation Graduate Fellowship 2003-2006

Princeton Centennial Fellowship, 2003

Marshall Scholar, 2001

Phi Beta Kappa, 2001

Publications *Gromov-Witten Theory of A_n -resolutions*, in preparation.

Quantum Cohomology of Hilbert scheme of points on A_n -resolutions, with A. Oblomkov, in preparation.

New Calculations in Gromov-Witten Theory, with R. Pandharipande, math.AG/0601395.

A Topological View of Gromov-Witten Theory, with R. Pandharipande, Topology, to appear.

Gromov-Witten Theory and Donaldson-Thomas Theory I, with N. Nekrasov, A. Okounkov, R. Pandharipande, Compositio Math., to appear.

Gromov-Witten Theory and Donaldson-Thomas Theory II, with N. Nekrasov, A. Okounkov, R. Pandharipande, Compositio Math., to appear.

Root sets of polynomials modulo prime powers, J. Combin. Theory Ser. A **93**(2001), 125-140.

Talks Gromov-Witten/Donaldson-Thomas Correspondence for Toric Varieties, Algebraic Geometry Seminar; University of Michigan, October 2006.

GW/DT/Hilb Correspondence for A_n -resolutions; Mini-workshop at Dusa McDuff's 60th Birthday Conference, October 2006.

GW/DT/Hilb Correspondence for A_n -resolutions, New Methods in Geometry and Physics, MSRI, May 2006.

Quantum Cohomology of Hilbert Scheme of Points on A_n -resolutions, Geometry and Physics Seminar, Northwestern University, April 2006.

Gromov-Witten Theory of Surfaces, Thematic Period on Algebraic Geometry and Topological Strings, IST Lisbon, October 2005.

A Topological View of Gromov-Witten Theory, Algebraic Geometry Seminar, University of Wisconsin, April 2005.

A Topological View of Gromov-Witten Theory, Workshop on Donaldson-Thomas Invariants, UIUC, March 2005.