Pavel I. Etingof

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Phone: (617)872-1564
Date of Birth: July 26, 1969
U.S. citizen

Education

Yale University, New Haven, CT
Ph.D. in mathematics; May 1994;
Thesis title: "Elliptic analogues of classical and quantum Knizhnik-Zamolodchikov equations."
Thesis Advisor: Igor B. Frenkel.

Moscow Oil and Gas Institute, Moscow, Russia
Equivalent of M.S. in applied mathematics; June 1989.

Professional Experience

2005 - present	**Massachusetts Institute of Technology (MIT)**, Cambridge, MA *Department of Mathematics:* Professor of Mathematics.
2001 - 2005	**Massachusetts Institute of Technology (MIT)**, Cambridge, MA *Department of Mathematics:* Tenured Associate Professor of Mathematics.
2000 - 2001	**Columbia University**, New York, NY *Department of Mathematics:* Tenured Associate Professor of mathematics.
1998 - 2001	**Massachusetts Institute of Technology (MIT)**, Cambridge, MA *Department of Mathematics:* Assistant Professor of Mathematics.
1994 - 1999	**Harvard University**, Cambridge, MA *Department of Mathematics:* Benjamin Pierce Assistant Professor and Lecturer

Honors:

2015, 2018	M.I.T. Frank E. Perkins Award for excellence in graduate advising
2016	Fellow of the American Academy of Arts and Sciences
2012	Robert E. Collins Distinguished Scholar
2012	AMS Fellow

2002	Invited sectional speaker at the International Congress of Mathematicians, Beijing, 2002 (section "Lie groups")
1999	Clay Mathematics Institute Prize Fellow
1994-98	NSF Postdoctoral Fellow
1993-94	Alfred P. Sloan Graduate Dissertation Fellow in Mathematics

Teaching Experience

M.I.T., Professor:
Multivariable calculus; Mathematical Analysis; Functional Analysis; Differential equations; Non-commutative algebra; Infinite dimensional Lie algebras; Algebraic geometry; Commutative algebra; Introduction to representation theory; Lie groups and Lie algebras; Representations of Lie groups; Algebraic D-modules; Tensor categories; Topics in Algebra; Riemann Surfaces

M.I.T., Associate Professor:
Algebraic groups; Complex analysis; Topics in Lie theory; Infinite dimensional Lie algebras; Mathematical foundations of Quantum Field Theory; Mathematical Analysis; Quantum groups

Columbia University, Associate Professor:
Multivariable Calculus, 2 Sections; Differential equations; Linear algebra

M.I.T., Assistant Professor
Infinite-Dimensional Lie Algebras (Graduate)
Calculus (18.022) recitation; Functions of a Complex Variable.

Harvard University, Benjamin Pierce Assistant Professor:
Honors Advanced Calculus; Linear Algebra; Algebraic Geometry
Honors Advanced Calculus; Linear Algebra
Quantum Groups
Methods of Analysis
Multivariable Calculus
Representations of Affine Lie Algebras & Special Functions (Graduate)

Yale University, Teaching Assistant:
Multivariable Calculus

Doctoral Theses

Supervised:

- Alexander Soloviev, Ph.D., M.I.T., June 2000.
- Frederic Latour, Ph.D., M.I.T., June 2004.
- Alexei Oblomkov, Ph.D., M.I.T., June 2005.
- Vasiliy Dolgushev, Ph.D., M.I.T., June 2005.
- Tatyana Chmutova, Ph.D., Harvard, June 2006.
- Silvia Montarani, Ph.D., M.I.T., June 2008.
- Ching-Hwa Eu, Ph.D., M.I.T., June 2008.
- Xiaoguang Ma, Ph.D., M.I.T., June 2010.
- Emanuel Stoica, Ph.D., M.I.T., June 2010.
- Martina Balagovic, Ph.D., M.I.T., September 2011.
- David Jordan, Ph.D., M.I.T., June 2011.
- Stewart Wilcox, Ph.D., Harvard, June 2011.
- Aleksander Tsymbaliuk, M.I.T., June 2014.
- Inna Entova-Aisenbud, M.I.T., September 2015.
- Yi Sun, M.I.T., June 2016.
- Nathan Harman, M.I.T., June 2017.
- Daniel Thompson, M.I.T., June 2017.
- Seth Shelley-Abrahamson, M.I.T., June 2018.
- Siddharth Venkatesh, M.I.T., June 2019.
- Christopher Ryba, M.I.T., June 2020.

- Daniil Kalinov, M.I.T., June 2021.
- Aleksei Pakharev, Northeastern U., June 2021.
- Alexandra Utiralova, M.I.T., June 2022.
- Daniil Klyuev, M.I.T., expected June 2024.
- Arun Kannan, M.I.T., expected June 2024.
- Serina Hu, M.I.T., expected June 2026.

Co-Supervised:

- Olivier Schiffmann (jointly with E. Vasserot, Ecole Normale Superiore, Paris), Ph.D. at U. Cergy Pontoise, France, June 2000.
- Dmitry Nikshych, (jointly with E. Effros, UCLA, while Nikshych was a Visiting Student at MIT 2000-01), Ph.D. from UCLA in June 2001.
- Adriano A. Moura, Ph.D. U. E. de Campinas 2003.
- Travis Schedler, (jointly with V. Ginzburg, U. of Chicago), Ph.D. from U. of Chicago in June 2008.

Research Grants

- NSF Grant (DMS-9700477) "Algebra, number theory and algebraic geometry" (jointly with David Kazhdan, Harvard University), July 1997 - June 2000
- NSF Grant (DMS-9988769) "Quantization, quantum groups, the Yang-Baxter equation, integrable systems, and special functions," July 2000 - June 2005
- NSF Grant (DMS-0504847) "Tensor categories, dynamical R-matrices, and double Hecke algebras," July 2005 - June 2010.
- NSF Grant (DMS-1000113) "Tensor categories, quantum groups, and Hecke algebras" August 2010-July 2015.
- NSF Grant (DMS-1502244) "Tensor categories and representation theory" June 1, 2015-May 31, 2020.
- NSF Grant (DMS-2001318) "Tensor Categories and Representations of Quantized Algebras", September 1, 2020 - August 31, 2025.
- NSF Grant (DMS-1238309) "MIT PRIMES: Program for Research In Mathematics, Engineering, and Science for High School Students", September 15, 2012- August 31, 2015.
- NSF Grant (DMS-1519580) "PRIMES: Program for Research In Mathematics, Engineering, and Science for high school Students", September 1, 2015- August 31, 2018.
- NSF Grant (DMS-1916120) "PRIMES, MathROOTS, and CrowdMath: Expanding Opportunities for High School Students", August 1, 2019 - July 31, 2022.
- NSF Grant (DMS-2218846) PRIMES Experience: Broadening Math Research and Enrichment Options for High School Students September 1, 2022-August 31, 2025

Some related Professional Activities

- Director of graduate studies, Department of Mathematics, MIT, July 2002-2007
- Managing Editor *Selecta Math.*, 2009-present
- Chief Research Adviser of the PRIMES program at the MIT math department, 2010-present
- Editor *JAMS*, 2017-present; Managing Editor 2021-present.
- Faculty adviser for the SPUR program at the MIT math department, 2012-2015
- Faculty adviser for the RSI program at the MIT math department, 2012-2015
- SAC of MSRI, 2013-2017
- Chair of the ICM 2022 Leelavati Prize committee
- Editor of "Journal of Combinatorial algebra", 2016-2020.