Iman Setayesh

Assistant Professor,
Mathematics Department,
Tarbiat Modares University
Tehran,Iran
Email: setayesh@modares.ac.ir

Work:
Post-Doctoral Research Fellow , School of Mathematics, IPM (2011-2016).
Assistant Professor, Tarbiat Modares University (2016-present).

Education:
Ph.D. in Mathematics, Princeton University (2006-2011).
B.Sc. Double Major in Mathematics and Electrical Engineering. Sharif University of Technology, Tehran, Iran (2001-2006).
High School Diploma, Allameh Helli High School. Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

Research:
Algebraic Geometry, Enumerative Geometry.

Honors:
Fellowship, Department of Mathematics Princeton University.
First prize, International Mathematical Competition for University Students (IMC), Blagoeverad, Bulgaria, 2005.
First rank in the 10th International Mathematics Olympiad for B.Sc. degree, Tehran, summer 2005.
First rank, National Mathematical Competition for University Students, Babolsar, Iran, 2005.
First prize, International Mathematical Competition for University Students (IMC), Skopje, Macedonia, 2004.
First rank, National Mathematical Competition for University Students, Tehran, Iran, 2004.
Silver medal, International Mathematical Olympiad (IMO), Washington, USA, 2001.
First rank,National Mathematical Olympiad, summer 2000.
Silver medal, National Mathematical Olympiad, summer1999.

Talks:
The product structure of the kappa ring of the moduli of curves of compact type, Humbolt Universität 2016.
On the tautological Ring of $\overline{\mathcal{M}}_{g,n}$, Tarbiat Modares University, 2016.
Introduction to algebraic spaces, Sharif University 2015.
On the Kappa Ring of $\overline{\mathcal{M}}_{g,n}$, Tarbiat Modares University, 2014.
Relative Hilbert Scheme of Points, IPM, 2014.
On the Kappa Ring of moduli spaces of curves, Amirkabir University, 2014.
On the Kappa Ring of $\overline{\mathcal{M}}_{g,n}$, IPM, 2014.
On the Kappa Ring of $\overline{\mathcal{M}}_{g,n}$, Frontiers in Mathematics, Sharif University, 2014.

The combinatoriality of the kappa ring, ETH Zürich, 2013.
Introduction to Enumerative Geometry, Esfahan Math. House, 2013.
Introduction to Enumerative Geometry, Sharif University, 2012.
Enumerative Geometry, Tehran University, 2012.
Enumerative Geometry I and II, IPM, Tehran, 2011.
Relative Hilbert Scheme of Points, Princeton University, 2008.
Equivariant Cohomology, Princeton University, 2008.
Counting Lines, Princeton University, 2007.
Construction of Grothendieck-Teichmüller Group, Sharif University, May 2006.
Eisenstein Series, Sharif University, Sharif University, October 2005.
Moduli of Curves, Sharif University, Sharif University, July 2005.
Cohomology Ring of Flag Manifolds , Sharif University and IPM , May 2005

Teaching: Instructor: Elliptic Curves, Spring 2017, Tarbiat Modares University.
Advance Algebra, Fall 2016, Tarbiat Modares University.
Algebraic Geometry, Spring 2016, Tarbiat Modares University.
Algebraic Geometry, Spring 2014, Sharif University.
Introduction to Algebraic Geometry, Fall 2013, Young scholars' club.
Algebraic Geometry, Spring 2012, Fall 2012 IPM.
Multivariable Calculus, Fall 2009, Princeton University.
Problem solving sessions, 2001-2004, Young scholars' club.
Combinatorics ,2001-2004, Young Scholars' Club, Tehran ,Iran.
Combinatorics, 2002-2003, Allameh Helli high school.
Teaching Assistant: Algebra and Galois Theory, Fall 2010, Princeton University.
Multivariable Calculus, Fall 2007– Fall 2008, Spring 2010,
Princeton University.
Algebra, Spring 2008, Princeton University.
Probability theory, fall 2004, Sharif University.
Engineering Mathematics, fall 2004, Sharif University.

Publications: I. Setayesh, The product rule in $\kappa^*(\mathcal{M}_{g,n}^{ct})$, arXiv:1701.04993.
E. Eftekhary, I. Setayesh, On the kappa ring of $\overline{\mathcal{M}}_{g,n}$, Advances in Mathematics (2016), pp. 89–121.
I. Setayesh, Multiple Cover Calculation for the Unramified Compactification of the Moduli Space of Stable Maps, arXiv:1305.3404.
E. Eftekhary, I. Setayesh, On the structure of the kappa ring, Int Math Res Notices (2017) 2017 (11): 3281–3321.
I. Setayesh, Relative Hilbert Scheme of Points, JMSJ (2016), Vol. 68, No. 3, pp. 1325–1356.

References: Rahul Pandharipande, ETH University, rahul@math.ethz.ch
Alexei Oblomkov, UMass Amherst, oblomkov@math.umass.edu
Samuel Grushevsky, Stony Brook, sam@math.sunysb.edu
Eaman Eftekhary, IPM, eaman@ipm.ir