Curriculum Vitae
Srimathy Srinivasan

Contact Information

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Appointments

- Reader, Tata Institute of Fundamental Research (Dec 2021 - present)

- Visitor/Lecturer University of Colorado, Boulder (2019 - 2021)

- Postdoctoral Member, Institute for Advanced Study, Princeton, New Jersey (September 2016 - August 2019)

Education

- **PhD**, Mathematics, August 2016, University of Maryland, College Park (Thesis: Motivic Decomposition of Projective Pseudo-Homogeneous Varieties)

- **M.S**, Electrical Engineering, July 2009, Indian Institute of Technology, Madras, India (Thesis: Codes on Planar Graphs)

- **B.E**, Electronics & Communications, July 2006, Madras Institute of Technology, India (Thesis: Performance Analysis of VCSEL based 2.4 GHz ROF Link)

Research Interests
Algebraic geometry, Number theory

Awards and Grants

- NSF grant (2016 - 2019)
- Travel award, Institute for Advanced Study, 2016-2019
- Awarded Ralph Pass III Fellowship by the Department of Mathematics, University of Maryland, 2013
- Department of Mathematics, University of Maryland, Summer Fellowship, 2014
- Winner of Monroe Martin talks at the University of Maryland, 2012
- Awardee under National Scholarship Scheme

Invited talks

- Mumbai-Pune Number Theory Seminar, April 2024

- "Proofs and Paradoxes", Chai and Why, TIFR outreach, February 2024

- "Genus of division algebras over discret evalued fields", ZDSG conference, ICTS, January 2024

- "Azumaya Algebras with with involution and classical semisimple group schemes", Banff International Research Station, October 2023

- "Quaternion algebras", mini course in Vigyan Vidhushi Program, TIFR, July 2022

- "Well Papa, Can you multiply triplets?", Visiting Student's Research Program, TIFR, June 2022

- "A finiteness theorem for special unitary groups of quaternionic skew-hermitian forms with good reduction", Banff workshop on Arithmetic aspects of algebraic groups, BIRS, Canada, Sep 8-9, 2020

- "Good reduction of unitary groups of quaternionic skew-hermitian forms", AMS Spring Southeastern Sectional Meeting, University of Virginia, Charlottesville, VA March 13-15, 2020.

- "Good reduction of unitary groups of quaternionic skew-hermitian forms", University of Colorado, Boulder, January 28, 2020.

- "Motivic Decomposition of Projective Pseudo-homogeneous varieties", School on Curves and groups in families, Rennes, France, May 13-17 2019.

- "Motivic Decomposition of Projective Pseudo-homogeneous varieties", Algebra Seminar, UPenn, April 15 2019.

- "Algebraic Groups in Positive Characteristic", October 2017, Institute for Advanced Study, Princeton

- "Motivic Decomposition of Projective Pseudo-homogeneous Varieties", October 2016 Institute for Advanced Study, Princeton

- "Motivic Decomposition of Projective Pseudo-homogeneous Varieties", Algebra-Number Theory Seminar, University of Maryland

- "Algebraic Geometric Codes", Monroe Martin Talk, University of Maryland

- "Codes on Deligne Lusztig Varieties", Student Algebra and Number Theory Seminar, University of Maryland

- "Constructibility and solvability", Wireless IITM group, Indian Institute of Technology, Madras

Teaching

- Algebra I, Fall 2023, TIFR
- MATH 2130, Linear Algebra, Spring 2020, Fall 2020, University of Colorado
- MATH 2130, Linear Algebra, Fall 2019, University of Colorado
- MATH 240, Linear Algebra, Fall 2015 (TA), University of Maryland

- MATH 241, Calculus III, Spring 2014(TA),University of Maryland

- MATH 241, Calculus III, Fall 2013 (TA), University of Maryland

- MATH 240, Linear Algebra, Summer 2013, University of Maryland

- MATH 240, Linear Algebra, Spring 2013 (TA),University of Maryland

- MATH 140, Calculus I, Summer 2012, University of Maryland

- MATH 141, Calculus II, Fall 2011 (TA), University of Maryland

- MATH 140, Calculus I, Fall 2009 (TA), University of Maryland

Service

- Organizer - Women in Numbers, IISER Pune, 2025

- Organizer - Vigyan Vidhushi Program, TIFR, 2024

- Organizer - Vigyan Vidhushi Program, TIFR, 2023

- Organizer - Vigyan Vidhushi Program, TIFR, 2022

- Mentor for Visiting Scientist Research Program, TIFR, 2022,2024

- Mentor for the Undergraduate Directed Reading Program at the University of Maryland.

- Helped organize Algebra and Number Theory day at the University of Maryland.