

Samit Dasgupta

Professor of Mathematics

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Employment

- 2018–present **Duke University**, *Professor*.
- 2016–2018 **University of California, Santa Cruz**, *Professor*.
- 2012–2016 **University of California, Santa Cruz**, *Associate Professor*.
- 2008–2012 **University of California, Santa Cruz**, *Assistant Professor*.
- 2004–2008 **Harvard University**, *Benjamin Peirce Assistant Professor*, *National Science Foundation Postdoctoral Research Fellow*.

Outside Appointments

- 2018 Summer **University of Regensburg and Oberwolfach Research Institute for Mathematics**, *Simons Visiting Professor*.
- 2017 Fall **Institut Henri Poincaré**, *Professor*, Research in Paris program (with P. Charollois and M. Spiess).
- 2015 Fall **Université Pierre et Marie Curie, Paris VI, Jussieu**, *Professeur Invité*.

Education

- 2000–2004 **University of California, Berkeley**, *Ph.D. in Mathematics*, May 2004, Advisor: Prof. Kenneth Ribet.
- 1995–1999 **Harvard University**, *A.B. in Mathematics*, June 1999, *summa cum laude*.

Grants/Awards

- 2023 **Frontiers of Science Award**, joint with Mahesh Kakde and Kevin Ventullo, International Congress of Basic Science, Beijing, China, \$25,000.
- 2022 **International Congress of Mathematicians**, joint with Mahesh Kakde, Invited Speaker.
- 2022–2027 **National Science Foundation**, DMS 2200787, \$550,000.
- 2019–2022 **National Science Foundation**, DMS 1901939, \$186,004.
- 2016–2019 **National Science Foundation**, DMS 1600943, \$159,000.
- 2015–2016 **National Security Agency**, MSP Grant H98230-15-1-0321, \$40,000.
- 2010–2015 **National Science Foundation**, CAREER Grant 0952251, \$471,283.
- 2009–2012 **National Science Foundation**, DMS 0900924, \$150,000.
- 2009–2011 **Sloan Research Fellowship**, \$50,000.
- 2007–2009 **National Science Foundation**, DMS 0653023, \$87,196.
- 2004–2007 **National Science Foundation Mathematical Sciences Postdoctoral Research Fellowship**, \$108,000.

Professional Activities

- Editorial Boards Algebra and Number Theory (2017–present), International Mathematics Research Notices (2021–present), Research in the Mathematical Sciences (2019–present), Research in Number Theory (2019–present)
- Refereeing Dozens of journals including *Annals*, *Inventiones*, *JAMS*, *DMJ*, *JEMS*, *ANT*, *Math Annalen*, *IMRN*, *Documenta*, *AJM*, *MRL*, *Compositio*, *Crelle*, *JNT*, *Proc AMS*, *Trans AMS*.
- Grant Panels Served on review panels for National Science Foundation, National Security Agency Mathematical Sciences Program, EPSRC (EU), NSERC (Canada).

Mentoring, Student Advising, and K-12 Outreach

- Postdocs Advised **Jiuya Wang** (Fall 2020–Spring 2021), **Jesse Silliman** (Fall 2019–Spring 2022), **George Ander Steele** (Fall 2015–Spring 2017), **Cameron Franc** (Fall 2011–Spring 2014).
- Graduate Students **Shawn Tsosie** (Ph.D. 2018), **Joe Ferrara** (Ph.D. 2018), **Mitchell Owen** (Ph.D. 2015), **Alex Beloi** (Ph.D. 2015), **Michael Daub** (informal advisor, Ph.D. 2013).
- Undergraduate Theses Advised **Jonathan Siegel** (2012–13), **Tomoaki Mizoguchi** (2012–13), **Jennifer Glover** (2009–10), **Alison Miller** (2007–08), **Luca Candelori** (2007–08), **Kaloyan Slavov** (2006–07), **Jennifer Balakrishnan** (2005–06).
- Mentoring **Math Alliance** (2021–present), Mentor for undergraduate and graduate students from underrepresented backgrounds. **Association for Women in Mathematics** (2020–present), Mentor for undergraduate women at Duke University.
- Undergraduate Research **DoMath** (Summer 2020) Led student group conducting research on representation theory with Jiuya Wang that will result in journal publication.
- Supervised **Computations of Brumer–Stark Units**, (2020–21) Led and funded students performing computations related to my research, results available at <https://github.com/liuyj8526/Computation-of-Elliptic-Units>
- K-12 Outreach **Regeneron Science Talent Search** (2016–present), Judge.
Intel Science Talent Search (2015–16), Judge.

Conference Talks, Seminars/Colloquium, and Conferences organized

- Three international conferences co-organized (Montreal 2005, Berkeley 2008, Banff 2011), plus organization of the twice yearly Bay Area Algebraic Number Theory and Arithmetic Geometry Day, 2010–2017.
- Over 35 conference talks, including most recently:
 - August 2023 **Conference on Global Langlands, Shimura Varieties, and Shtukas**, *Hausdorff Institute of Mathematics*, Bonn, Germany.
 - August 2023 **Number Theory and Combinatorics in Duluth**, *University of Minnesota, Duluth*.
 - May 2023 **Arithmetic Geometry and Algebraic Groups**, *University of Virginia*.
- Over 80 invited seminar and colloquium talks, including:
 - Harvard** (4x), **Stanford** (10x), **University of Michigan** (3x), **Berkeley** (5x), **Princeton/IAS** (3x), **MIT** (2x), **Columbia University** (2x), **Duke University**, **UCLA** (4x), **Caltech** (2x), **University of Chicago**, **UT-Austin** (3x), **McGill University** (3x), **Brown University**, and 27 other institutions.