NEWSLETTER

Howard University Math Department



Blackwell Day and Lecture, Nov 17

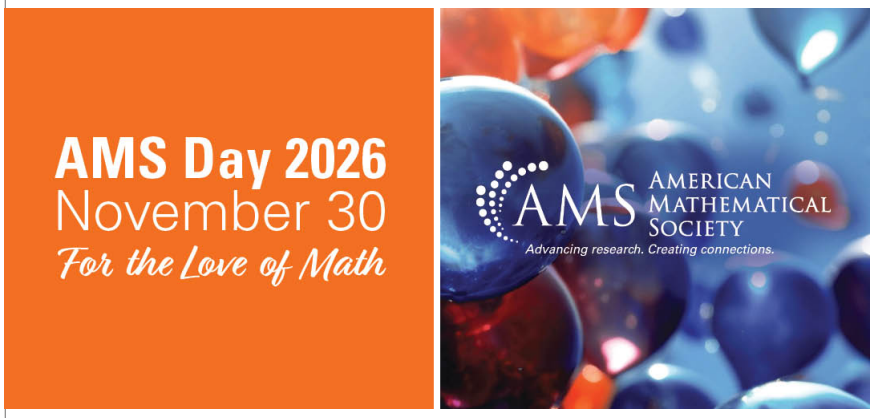
Nandi Leslie will deliver inaugural Blackwell lecture. Details inside.

National Math Talent Fund

From Katie Gurski

Funding available for students struggling to meet costs of college from the MAA.

More Information



For the Love of Math

AMS Day 2026

From Dennis Davenport

On **Monday Nov 30,** AMS will celebrate math and mathematicians. Special offers on AMS memberships and MathSciNet will be available on the AMS website on Nov 30.

Here is a collection of videos made by students and mathematicians on what draws them to mathematics: For the love of research, discovery, teaching, problem solving, community, and connection.

More Announcements

AMS report on Graduate Education

From Talitha Washington

Report arising from Committee on Education convened by AMS to study the changing landscape of mathematics doctorate education.

Report

Simons Foundation Launches $15 million effort to help Mathematicians

From Sam Hopkins

The Simons Foundation announced a new set of initiatives that will help the mathematics community navigate the rapid rise of artificial intelligence in the field.

Announcement



Talitha Washington

Computing Resources for Howard

From Talitha Washington

The Center for Applied Data Science and Analytics (in the Office of the Provost) directed by our colleague Talitha Washington, has put together a number of resources for faculty to use for computing. Here is a list of Data and Technology Platforms.

Here are the Matlab materials (with their own copilot).

Here is the mission of the Center, in her own words:

"I am honored to lead efforts in advancing data science, analytics, and artificial intelligence to tackle complex global problems, foster interdisciplinary collaboration, and create impactful experiential opportunities that drive the university's mission of excellence, innovation, and service forward through the power of data."

Past newsletters can now be reached via the department website.
[Click on "About" and then "News and Events"].
Newsletter is sent out when there is something new.
It is produced without the use of AI.Please send entries by the end of the workweek to Editor (Sankar Sitaraman)

Ongoing Seminars in the department

Mondays

Algebra and Combinatorics Seminar

Combinatorics & Algebra Seminar which had been running for a number of years at George Washington University will now be a joint venture between the GW and Howard math departments. The organizers of the seminar are Joel Lewis & Robert Won (GW) and Sam Hopkins & Minh-Tam Trinh (Howard). The talks will take place 4-5pm on Mondays, in Rome Hall 459 at GWU.

Seminar Website

Tuesdays

Topological Semigroups and Ramsey Theory

10:10 - 11 am on Zoom (contact organizer for link)

On Nov 10, Gradmar Marti of The Ohio State University spoke on "Generalizing Notions of Divisibility for Ultrafilters."

Organizer: Dennis Davenport

Ongoing Seminars in the department

Tuesdays

Nov 17 : Blackwell Day and Inaugural Blackwell Seminar

From Bourama Toni

On **Tuesday Nov 17,** Nandi Leslie, distinguished alumna of our department and recently appointed Trustee of Howard University, will deliver the inaugural lecture of the David Blackwell distinguished lecture series. The lecture will be part of **Blackwell Day 2026: Foundations to Frontiers**, a full day celebration of our mathematical heritage, our faculty and students, and the expanding frontiers of mathematics, data science, and artificial intelligence. There will be undergraduate and graduate student research posters, flash presentations, faculty research highlights and other events. The lecture will be the centerpiece of the afternoon program, from 1:00 to 4:00 PM. Morning program will start at 10 am.

Nov 17-18 Teaching in the Age of AI: Practical Tools for Faculty

From Talitha Washington

An interactive workshop to explore practical approaches to AI in teaching and learning and collaborate with colleagues to **draft or refine an AI syllabus statement** aligned with Howard's AI policy. All Howard instructional personnel, including full-time and part-time faculty, adjuncts, instructors, and graduate teaching assistants, are invited.

Virtual: Tuesday, November 17 | 4:00–5:30 p.m.

In-Person (Lunch Provided): Wednesday, November 18 | 12:00–1:30 p.m.

Stokes Health Sciences Library, Gallery/Seal Room

Registration

Ongoing Seminars in the department

Tuesdays

Mathematical Biology and Data Driven Insights

11 am in room 205, Graduate School Building

On Nov 10, Dan Butts of University of Maryland College Park talked about "The neural processing of vision at the center-of-gaze."

Organizers: Katie Gurski, Joon Ha, Sayomi Kamimoto, Yeona Kang, Chris Kim

AI, combinatorics, and number theory seminar

Alternate Tuesdays 2 to 3pm. Contact organizer for zoom link.

On Nov 24, Andrew Sutherland of MIT will speak. He works on computational number theory and arithmetic geometry.

On Nov 10, David Roe of MIT talked about Absolute Galois groups of 2-adic fields, AI, and formalization.

Organized by Angelica Babei as part of her NSF grant.

Seminar website

Ongoing Seminars in the department

Thursdays

Number Theory Seminar

Seminars are on Thursdays, 3.15 to 4.15pm. Contact organizers for zoom link.

Andrea Conti (IWR, Heidelberg University) will talk about "L-invariants and deep congruences between newforms" on Dec 3.

Organizers: Angelica Babei and Sankar Sitaraman

Seminar website

Fridays

Friday Chill Math (problem session)

Jermaine McDermott is organizing informal problem sessions for students interested in exams such as the Putnam exam.

Fridays 1.30 to 3 pm, room 203.

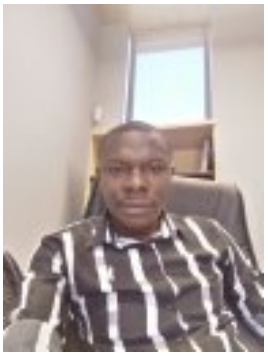
Graduate Students Seminar

Seminar meets fridays 2.30 to 3.30pm.

Contact person: Toni Smith

Friday Colloquium Series

Fridays, 4.10 to 5pm. Room 109



On friday, Nov 20 , **Albert Antwi**, Sol Plaatje University will speak on "Symmetric Split-Concentration Generalized von Mises Distribution: Simultaneous Modeling of Harmonic Structure and Directional Asymmetry"



On Nov 13, **Caterina Consani** of Johns Hopkins University spoke about "The Absolute Geometry of Spec **Z**"



On Nov 6, **Kassie Archer** (US Naval Academy, seen here talking math with young girls) spoke about "Shallow permutations, disorder, and pattern avoidance"

The colloquium schedule and past videos are available at this website:
https://deleo.website/HU/colloquium.html

Organizers: Alex Burstein, Roberto De Leo, Sam Hopkins, Cheikh Ndiaye

Talks And Workshops Elsewhere

QEM Network's **HEROES webinars and workshops**

from Dennis Davenport

Nov-Dec, 2026, Online

Expert led webinars to strengthen your research, sharpen your grant-writing skills, explore innovative uses of AI in teaching, and discover new strategies for building institutional research capacity. QEM Network serves as a national resource and catalyst to unite and strengthen educational opportunities for all citizens in STEM fields. Schedule and Registration

SIGMAA webinar and community chat

Generative AI and teacher education

(via Dennis Davenport)

Nov 17, 4-6pm

Registration

In previous newsletters

Blackwell-Tapia Conference, Dec 4-5, Rice University

Arizona Winter School

New Horizons in the Calculus of Variations, Carnegie-Mellon, May 2027

Oxford Symposium on AI, July 2027

Scholarship and Fellowship Opportunities

From various sources

NAM Job listings

From Dennis Davenport

Check out NAM's latest posts on job opportunities! New posts are added regularly.

More Information



Department of Energy (DOE)Programs

Marine Energy Fellowship: Post Graduate Track

Programs for summer 2027 as well as fall 2027 for students to work with DOE scientists on research on energy from waves, tides, etc.,

Program Application

Deadline Dec 11 for summer, March 26 for fall.

MAA Integrate Fellowship

Professional Development Opportunities

From Dennis Davenport

Workshop to learn how to develop enrichment programs for K-12 students

Registration

On zoom, Dec 1

More events like this

AMS Congressional Fellowship

Deadline Feb 1 Application and Information

Interesting articles and comments

Report: Math Research in the Age of AI

From Henok Mawi

On October 22–23, 2026 a group of 32 mathematicians from academia, government, and industry met at CMSA to discuss the future of mathematics research in the age of AI. Their recommendations given in the report below.

Website

Talk explaining OpenAI proof (claimed) of quasi-Riemann Hypothesis

From Minhtam Trinh

Talk by Maksym Radziwill on this major result

Youtube video