

Massachusetts Science & Engineering Fair gathers state's top students May 5 at MIT

MEDIA ALERT

- Photo and Story Opportunity -

For Immediate Release:

What: Massachusetts Science & Engineering Fair
State-level high school competition and showcase
When: Public viewing time: Friday, May 5, 2023, 3:30-4:30pm
Where: Johnson Athletic Center, MIT, 120 Vassar St., Cambridge

Cambridge, MA, May 4, 2023—320 high school students from schools across the Commonwealth will converge at MIT on May 5 for the Massachusetts Science & Engineering Fair. They'll share the science and technology projects they've been developing over the last six months or more. These students, representing the best of Massachusetts' science and engineering high school talent will spend the day at individual tables, presenting to almost **350 volunteer judges**, drawn from industry and academia, sharing projects that span a wide variety of disciplines from biology to environmental sciences to engineering and computer science.

More than \$25,000 in awards and more than \$250,000 in scholarships will be given out to recognize top projects. These include the Sanofi Grand Prize of \$10,000 and the MathWorks Award of \$7,500. These will be announced at a virtual awards ceremony on Tuesday, May 9 at 6pm
<https://web.mit.edu/webcast/scifair/s23/>.

Projects include using machine learning to reverse compulsive habits, looking at a significantly more degradable bioplastic from seaweed, using AI (artificial intelligence) to pick up suicidal intentions on social media, analyzing an enzyme's ability to breakdown PET plastic, studying the best placement of four different types of wind turbines, and studying the drug release rate of polymer-based nanoparticles to find a drug delivery method that won't harm healthy cells.

The Massachusetts Science & Engineering Fair develops future thought leaders through experiences in science and engineering practices using well-proven programs and novel approaches that empower students and educators to learn in and beyond the classroom. MSEF, a 501c3 nonprofit organization, was founded in 1949 by the American Academy of Arts & Sciences, MIT professors, and a group of pioneering K-12 science educators. This fair is possible because of the generosity of MSEF sponsors, including: Amazon, Cabot Corporation, Sanofi, ADI Foundation, National Grid, MathWorks and Hologic, among others. MSEF sees a future where every student is empowered through learning in science and engineering practices.

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