**WINNERS**

**SEMI-FINALISTS**

Papers from the following six schools underwent in-depth discussion and were deemed of exceptional quality by judges. These teams are recognized as Semi-Finalists and will receive prizes of $1,500 each.

- Dublin Jerome High School
  - Team #12626
  - Dublin, Ohio
  - Coach: David Stroh

- Huron High School
  - Team #12238
  - Ann Arbor, Michigan
  - Coach: Philip Elason

- Mississippi School of Math and Science
  - Team #12988
  - Columbus, Mississippi
  - Coach: Philip Benge

- Montgomery Blair High School
  - Team #12246
  - Silver Spring, Maryland
  - Coach: William Rose

- William Fremd High School
  - Team #11999
  - Palatine, Illinois
  - Coach: Christopher Grattoni

- Winchester High School
  - Team #12747
  - Winchester, Massachusetts
  - Coach: Craig Mackenzie

**HONORABLE MENTIONS**

Teams representing the following schools are recognized for Honorable Mention distinction. Prizes of $1,000 will be awarded to each of these 22 teams for noteworthy submissions.

- Dublin Jerome High School
  - Team #12626
  - Dublin, Ohio
  - Coach: David Stroh

- Huron High School
  - Team #12238
  - Ann Arbor, Michigan
  - Coach: Philip Elason

- Winchester High School
  - Team #12747
  - Winchester, Massachusetts
  - Coach: Craig Mackenzie

- Montgomery Blair High School
  - Team #12246
  - Silver Spring, Maryland
  - Coach: J. Rose

- William Fremd High School
  - Team #12988
  - Palatine, Illinois
  - Coach: Christopher Grattoni

- Winchester High School
  - Team #12747
  - Winchester, Massachusetts
  - Coach: Craig Mackenzie

**TECHNICAL COMPUTING AWARDS**

M3 Challenge Technical Computing Scholarship Awards honor teams for their outstanding use of programming to analyze, design, and conceive a solution for the problem. Winner ($3,000), Runner Up ($2,000), and Third Place ($1,000) recipients will be announced during the awards ceremony.

- ACADEMY OF SCIENCE AND DESIGN
  - Nashua, New Hampshire
  - Students: Eric Chai, Gustav Hansen, Tony Tan, Joshua Tsai, Angela Zhang
  - Coach: Paul Kim

- NICOETE HIGH SCHOOL
  - Lincolnshire, Illinois
  - Students: Robert Swenson, Sam Zhao, Alex Zhang, Noah Gage
  - Coach: Matt Davis

- WAYZATA HIGH SCHOOL
  - Plymouth, Minnesota
  - Students: Amanda Chan, George Lyu, Zachary Xiong, Caroline Zeng, Alisha Zhu
  - Coach: William Skerbitz

**FINALSISTS**

The top six awards, ranging from $5,000 to $20,000, will be awarded after the final round of judging on April 29 to teams representing the following high schools:

- Academy for Science and Design
  - Team #11801
  - Nashua, New Hampshire
  - Coach: Karen Legault
  - Students: Denver Blake, Daniel Bujno, Ian Coolidge, Frederick Lee, Nathan Yeung

- Adlai E. Stevenson High School
  - Team #11729
  - Lincolnshire, Illinois
  - Coach: Paul Kim
  - Students: Matthew Jalnos, Jayrik Virtanen, Tony Tan, Josh Tsai, Angela Zhang

- High Technology High School
  - Team #12038
  - Lincroft, New Jersey
  - Coach: Raymond Eng
  - Students: Eric Chai, Gustav Hansen, Emily Jiang, Kyle Lui, Jason Yan

**PRIZES: $100,500**

- M3 Challenge Champion ................................................. $20,000
- M3 Challenge Runner Up ................................................ $15,000
- M3 Challenge Third Place ................................................ $10,000
- M3 Challenge Finalists (3) ............................................ $5,000 each
- M3 Challenge Semi-Finalists (6) ..................................... $1,500 each
- M3 Challenge Honorable Mentions (22) ......................... $1,000 each
- M3 Technical Computing Awards (3) ................................. $3,000, $2,000, $1,000 each
- M3 Outstanding Communication of Results .................... $500
- Finalist Coaches (6) ...................................................... $500 each
ABOUT THE CHALLENGE
MathWorks Math Modeling (M3) Challenge (m3challenge.siam.org) is the prestigious Internet-based competition known for providing a pinnacle high school experience to inspire students to pursue STEM majors and careers. The contest, organized by Society for Industrial and Applied Mathematics (SIAM) and sponsored by leading software developer MathWorks, is free and open to all U.S. students. M3 Challenge will award top teams this year with $100,500 in scholarships to use for their higher education. M3 Challenge has awarded more than $1.3 million in scholarships to date.

Each school may enter up to two teams of three to five junior and/or senior students, who spend up to 14 hours on Challenge weekend devising and submitting a solution to the Challenge Problem, which is not revealed to them until they login. Following a rigorous two-stage judging process, the six finalist teams present their findings live to a final judge panel to determine the final rank order.

ABOUT THE SPONSOR
MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a programming environment for algorithm development, data analysis, visualization, and numeric computation. Simulink is a graphical environment for simulation and Model-Based Design for multidomain dynamic and embedded systems. Founded in 1984, MathWorks employs more than 4500 people in 16 countries, with headquarters in Natick, Massachusetts, USA. For additional information, visit mathworks.com.

ABOUT THE ORGANIZER
Society for Industrial and Applied Mathematics (SIAM), headquartered in Philadelphia, Pennsylvania, is an international society of more than 14,000 individual, academic and corporate members from 90+ countries. SIAM helps build cooperation between mathematics and the worlds of science and technology to solve real-world problems through publications, conferences, and communities like chapters, sections, and activity groups. Learn more at siam.org.

ABOUT TODAY’S HOST
Jane Street is a quantitative trading firm that uses innovative technology, a scientific approach, and a deep understanding of markets to guide its business. Jane Street is a global liquidity provider and market maker, operating around the clock and around the globe, out of offices in New York, London, Hong Kong, and Amsterdam. Learn more at janestreet.com.

AWARDS AND RECOGNITION
ASAE Associations Advance America (AAA) Award of Excellence Committee Encouraging Corporate Philanthropy (CECP) Excellence Award

The National Association of Secondary School Principals has placed M3 Challenge on the NASSP National Advisory List of Student Contests and Activities since 2010.

Program

WELCOME BREAKFAST
8:00  Opening Remarks
  Michelle Montgomery, SIAM, Society for Industrial and Applied Mathematics
  Dr. Ben Galluzzo, Clarkson University
  Dr. Chris Musco, Princeton University

TEAM PRESENTATIONS
9:00  WAYZATA HIGH SCHOOL
  Team #12063
  9:25  RICHARD MONTGOMERY HIGH SCHOOL
       Team #12300
  9:50  ADLAI E. STEVENSON HIGH SCHOOL
       Team #11729
  10:30 ACADEMY FOR SCIENCE AND DESIGN
       Team #11801
  10:55 HIGH TECHNOLOGY HIGH SCHOOL
       Team #12038
  11:20 NICOLET HIGH SCHOOL
       Team #12831

LUNCH
12:00  The Art of Problem Solving
       Sandor Lehoczky, Jane Street

HOST PRESENTATION
1:00  Jane Street: Who we are, what we do
       Meaghan Burke, moderator

AWARDS CEREMONY AND RECEPTION
2:00  “Best of” video: 2019 Challenge experience
       Remarks and Announcement of Winners:
       Outstanding Communication of Results
       Lauren Tabolinsky, MathWorks
       Technical Computing Scholarship Prizes
       Akash Gopisetty, MathWorks
       M3 Challenge Team Prizes
       Dr. Karen Bliss, Virginia Military Institute
       Team Photos

3:15 Meet at Marriott for transport to airport/trains/vans

Final Event: April 29, 2019