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 Gorston

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.

ACAD-ALLIED HEALTH SCIENCES
Scotch Plains, New Jersey

BERGEN COUNTY ACADEMIES
Hackensack, New Jersey

CHAMBLEE CHARTER HIGH SCHOOL
Chamblee, Georgia

CHAPEL HILL HIGH SCHOOL
Chapel Hill, North Carolina

COLUMBUS NORTH HIGH SCHOOL
Columbus, Indiana

GOVERNOR LIVINGSTON HIGH SCHOOL
Boulevard Heights, New Jersey

HAYFIELD SECONDARY SCHOOL
Alexandria, Virginia

HOLY TRINITY EPISCOPAL ACADEMY
Melbourne, Florida

PINE VIEW SCHOOL
Osprey, Florida

RICHARDSON HIGH SCHOOL
Richardson, Texas

RIDGEFIELD HIGH SCHOOL
Ridgefield, Connecticut

ROOSEVELT HIGH SCHOOL
Des Moines, Iowa

SCHOLARS ACADEMY
Conway, South Carolina

SCIENCE HILL HIGH SCHOOL
Johnson City, Tennessee

UNION COUNTY ACADEMY FOR INFORMATION TECHNOLOGY
Scotch Plains, New Jersey

ACADEMY OF SCIENCE AND DESIGN
Lincroft, New Jersey

HIGH TECHNOLOGY HIGH SCHOOL
Lincroft, New Jersey

LOS ALTOS HIGH SCHOOL
Los Altos, California

LITCHFIELD HILLS HIGH SCHOOL
Litchfield Hills, Connecticut

OXFORD ACADEMY
Cypress, California

UNION COUNTY ACADEMY FOR INFORMATION TECHNOLOGY
Scotch Plains, New Jersey

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
Lincroft, New Jersey

HIGH TECHNOLOGY HIGH SCHOOL
Lincroft, New Jersey

LOS ALTOS HIGH SCHOOL
Los Altos, California

OXFORD ACADEMY
Cypress, California

UNION COUNTY ACADEMY FOR INFORMATION TECHNOLOGY
Scotch Plains, New Jersey

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

M3 Outstanding Communication of Results ....................... $500

Finalist Coaches (6) ........................................................ $500 each

Finalists

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 #17239), Lincolnshire, Illinois
Coach: Paul Kim
Students: Matthew Jalnos, Joey Rivkin, Tony Tan, Joshua 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

Nicolet High School
(Team #12831), Glendale, Wisconsin
Coach: Mike Weidner
Students: Zach Godkin, Gabe Guralnick, Savir Maskara, Ryan Mortonson

Richard Montgomery High School
(Team #12300), Rockville, Maryland
Coach: Matt Davis
Students: Matt Kolodner, Clarissa Xia, Jack Yang, Laura Yao, Lauren Zhou

Wayzata High School
(Team #12063), Plymouth, Minnesota
Coach: William Skerbitz
Students: Amanda Chan, George Lyu, Zachary Xiong, Caroline Zeng, Alisha Zhu

Of the 877 papers submitted to this year’s MathWorks Math Modeling Challenge, 178 (20%) advanced to the second round of judging, where 37 awards are available for recognition (4%).
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.

M3Challenge.siam.org

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 ACADEMY FOR SCIENCE AND DESIGN
Team #11801

10:30 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

Host:
Jane Street
250 Vesey Street
New York, New York 10281