



## Judging for MathWorks Math Modeling Challenge (M3 Challenge)

### Are you interested in judging papers for M3 Challenge?

Triage judging, which typically takes place during 8–12 days in early- to mid-March, requires a commitment of no more than 14 hours within that time frame. Judges work remotely using an internet-based platform to score papers at their convenience.

If you have a strong background in modeling and a Master's degree or higher in a STEM field, we are interested in hearing from you. Equally welcome are individuals who can also assess the technical computing/code that will accompany some submissions.

#### **SYNOPSIS OF THE JUDGE WORK:**

**Fully committed\*** judges who participate in M3 Challenge are emailed credentials to use the online judge system at the start of triage time. Judges review orientation materials, read and score papers, and submit scores and comments.

Judges work in (online) groups of five or more individuals with one lead judge (last year 140 judges worked in 14 groups). Group members need not be physically close to one another.

Judges read a maximum of 40 papers, at an average of about 20 minutes per paper, so that each judge's total work should not exceed 14 hours. Papers are limited to 20 pages. A separate team of triage judges will assess any code appendices submissions for the technical computing awards. Judges receive an honorarium of \$500, plus the satisfaction of knowing that they are contributing to STEM education and student enthusiasm for mathematical modeling.

**Potential judges should email their contact information and judging credentials to [M3Challenge@siam.org](mailto:M3Challenge@siam.org), or complete the application at [m3challenge.siam.org/challenge/judging/judge-application](http://m3challenge.siam.org/challenge/judging/judge-application).**

*\*A firm commitment is essential to the success of the competition, as it is problematic to remove a judge once the "reads" are assigned within the system.*

#### **BASIC INFORMATION ABOUT M3 CHALLENGE:**

Organized by SIAM and supported by MathWorks, M3 Challenge is a free, Internet-based, applied math competition. High school juniors and seniors in the U.S. and sixth form students (age 16-19) in England and Wales may form and enter up to two teams of three to five students each per school. Student participants have just 14 hours to solve an open-ended, math-modeling problem focused on a real-world issue. Each year 800–1,000 teams comprised of 4,000+ students submit papers.

The topic and problem are unknown to teams until the day of the Challenge. Scholarships totaling \$100,000 (£75,000+) toward the pursuit of higher education are awarded to the top teams, including awards recognizing outstanding use of technical computing.

The real-world focus of the competition introduces students to applied math as a powerful problem-solving tool and, potentially, as a viable and exciting profession.

The next Challenge weekend is February 25–28, 2022. Triage judging will take place March 3–12, 2022.