

## Welcome to the MacLean-Fogg Fastening Challenge

MacLean-Fogg Company is a group of global enterprises which partner with key customers to engineer, manufacture, and distribute products for the automotive and power utility marketplaces worldwide. MacLean-Fogg is comprised of two primary businesses, MacLean-Fogg Component Solutions and MacLean Power Systems. MacLean Power Systems is a leading manufacturer of products for electric utility, telecommunications and civil markets. MacLean-Fogg Component Solutions is a leading supplier of Fasteners, Engineered Components and Engineered Plastics serving many diverse industries. As a worldwide leader in fastening products, MFCS specializes in assisting customers in finding the most efficient solutions to their most unique fastening challenges. Because of that, we're interested in hearing about your fastening challenges and how you were able to solve them during the Formula SAE Michigan competition.

### Requirements

For this competition we would like you to present the following:

- A summary of a specific challenge your team encountered with a fastened component on your competition vehicle (i.e. any bolted joint, wheel fasteners, exhaust fasteners, engine fasteners, suspension fasteners, etc.)
- Explain how engineering tools and skills were used to identify and solve the challenge or problem with a fastened component
- What you learned about fastener related engineering during your design, build, and testing
- Explain how what you learned might be applied to the Automotive Industry as a whole

### Inclusions

You have creative freedom to present this information however you choose (PowerPoint presentation, video, etc.). Please include the following with your submission:

- Team Name
- University being represented
- Team Captain
- Team Members
- Contact person's e-mail and phone number

All applications are due by **May 9, 2018** and must be sent to [FormulaSAE@macleanfogg.com](mailto:FormulaSAE@macleanfogg.com). The three winning teams announced at the award ceremony will receive checks in the amounts of \$1000, \$750, and \$500 to be mailed after the event. To learn more information, including how last year's winning team presented their fastening challenge, visit us at [macleanfogg.com/what-we-do/our-sponsorships/formula-sae/](http://macleanfogg.com/what-we-do/our-sponsorships/formula-sae/).

We are here to help you! If you have any questions or need assistance with your fastening challenge, please feel free to e-mail us at [FormulaSAE@macleanfogg.com](mailto:FormulaSAE@macleanfogg.com). Good luck!

### MacLean-Fogg Headquarters

1000 Allanson Road, Mundelein, IL, 60060

P 847.566.0010

[macleanfogg.com/careers](http://macleanfogg.com/careers)