

Johns Hopkins University - Department of Mechanical Engineering - Competition Opportunities for MechE Students

Updated September 22, 2023

Organization	Event	Student Competition/Session	Event Type	First Deadline	Link
American Institute of Aeronautics and Astronautics (AIAA)	Design, Build, Fly Competition	Design, Build, Fly Competition	Design Competition	Entry form due 5pm ET on Oct 31, 2023	http://www.aiaadbf.org/
	N/A	Undergraduate Team Aircraft Design Competition	Design Competition	Letter of intent due by 11: 59 PM ET on Feb 9, 2024	http://www.aiaa.org/DesignCompetitions/
	N/A	Graduate Team Aircraft Design Competition	Design Competition	Letter of intent due by 11: 59 PM ET on Feb 9, 2024	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Team Space Design Competition	Design Competition	Letter of intent due by 11: 59 PM ET on Feb 9, 2024	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Individual Aircraft Design Competition	Design Competition	Letter of intent due by 11: 59 PM ET on Feb 9, 2024	http://www.aiaa.org/DesignCompetitions/
N/A	Undergraduate/Graduate Team Missile System Design Competition	Design Competition	Letter of intent due by 11: 59 PM ET on Feb 9, 2024	http://www.aiaa.org/DesignCompetitions/	
American National Standards Institute (ANSI)	N/A	ANSI Student Paper Competition	Paper	To be announced some time after October 2023. Likely due by 5 PM ET Jun 2, 2024	https://ansi.org/education/activities/paper-competition
American Society of Mechanical Engineers (ASME)	E-Fest North	Human Powered Vehicle Challenge (HPVC)	Design Competition	TBD, check website for E-Fest North updates	https://efests.asme.org/competitions/human-powered-vehicle-challenge-hpvc
	E-Fest North	IAM3D	Design Competition	TBD, check website for E-Fest North updates	https://efests.asme.org/competitions/asmе-innovative-additive-manufacturing-3d-challenge
	E-Fest North	Student Design Competition	Design Competition	TBD, check website for E-Fest North updates	https://efests.asme.org/competitions/student-design-competition-sdc
	E-Fest North	Old Guard Oral Presentation	Poster	TBD, check website for E-Fest North updates	https://efests.asme.org/competitions/old-guard-competitions
	E-Fest North	Old Guard Elevator Pitch Competition	Poster	TBD, check website for E-Fest North updates	https://efests.asme.org/competitions/elevator-pitch-competition-new
	Turbomachinery Technical Conference and Expo (TURBO)	Student Poster Session	Poster	Abstract due Oct 27, 2023	https://event.asme.org/Turbo-Expo
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	Student Design Essay Competition	Paper	Posters due by 11:59 PM PT on Feb 2, 2024	https://idec.org/student-design-competition/
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	Student Mechanism & Robot Design Competition	Design Competition	Paper due by Mar 12, 2024	https://event.asme.org/IDETC-CIE
	Smart Materials, Adaptive Structures, and Intelligent Systems	Best Student Paper Competition	Paper	TBD, abstract likely due in Mar 2024	https://event.asme.org/SMASIS
	Internal Combustion Engine Fall Technical Conference	Student Presentation Competition	Conference	Early registration due by Sep 22, 2023	https://event.asme.org/ICEF
	International Mechanical Engineering Congress and Exposition	Undergraduate Research and Design Expo Student Poster Competition	Poster	TBD	https://event.asme.org/IMECE/Student-Programs/Student-Competitions-at-IMECE
	International Mechanical Engineering Congress and Exposition	NSF Poster Competitions	Poster	TBD	https://event.asme.org/IMECE/Student-Programs/Student-Competitions-at-IMECE
	International Mechanical Engineering Congress and Exposition	IMECE Best Student Paper Competitions	Paper	TBD	https://event.asme.org/IMECE/Student-Programs/Student-Competitions-at-IMECE
ASC & FSGP	N/A	American Solar Challenge	Design Competition	TBD	http://americansolarchallenge.org/
	N/A	Solar Decathlon (Design and Build challenge)	Design Competition	Application likely due October 2024	https://www.solardecathlon.gov/
	N/A	Collegiate Wind Competition	Design Competition	Application likely early spring	https://energy.gov/eere/collegiatewindcompetition/collegiate-wind-competition
U.S. Environmental Protection Agency (EPA)	N/A	People, Property, and the Planet (P3) Student Design Competition	Design Competition	Check site for funding opportunities	https://www.epa.gov/P3/p3-funding-opportunities
Institute of Electrical and Electronics Engineers (IEEE)	IEEEXtreme Programming Competition	IEEEXtreme Programming Competition	Design Competition	Registration due before competition	http://ieeextreme.org
	N/A	Solar Splash	Design Competition	Early registration due Jan 16, 2024 Registration due April 15	http://solarsplash.com/
	N/A	International Future Energy Challenge	Design Competition	Proposal due Oct 21, 2023	http://energychallenge.weebly.com/
National Aeronautics and Space Administration (NASA)	N/A	Big Idea Challenge	Design Competition	TBD, proposal and video likely due by Jan 24, 2024	http://bigidea.nianet.org/
	N/A	Revolutionary Aerospace Systems Concepts - Academic Linkage (RASC-AL)	Design Competition	Notice of intent due by Oct 11, 2023	http://rascal.nianet.org/
Society of Automotive Engineers (SAE)	N/A	Aero Design East	Design Competition	Registration due Nov 20, 2023	https://www.sae.org/attend/student-events/sae-aero-design-east/
	N/A	Aero Design West	Design Competition	Registration due Nov 20, 2023	https://www.sae.org/attend/student-events/sae-aero-design-west/
	N/A	Baja	Design Competition	TBD	https://www.bajasae.net/
	N/A	Clean Snomobile Challenge	Design Competition	Registration due Nov 20, 2023	https://www.sae.org/attend/student-events/sae-clean-snomobile-challenge/
	N/A	Formula Hybrid	Design Competition	Registration due Nov 20, 2023	https://www.sae.org/attend/student-events/formula-hybrid
N/A	Formula Electric	Design Competition	Registration due Nov 20, 2023	https://www.sae.org/attend/student-events/formula-sae-electric/	
Society of Hispanic Professional Engineers (SHPE)	SHPE National Convention	Various competitions	Design Competition	TBD	https://www.shpe.org/events/shpe2022/programs
Sigma Xi	Student Research Showcase	Science Communication Competition	Award	Abstract due 11:59 PM PT Mar 31, 2023	https://www.sigmxi.org/meetings-events/student-research-showcase
Society of Women Engineers (SWE)	N/A	Collegiate Poster & Rapid Fire Competition	Poster	Application likely due by Jun 15, 2024	https://swe.org/awards/collegiate-competitions/
	N/A	Team Tech Competition	Design Competition	Proposal likely due by Jan 15, 2024	https://swe.org/awards/collegiate-competitions/
	N/A	Outstanding Collegiate Member Award	Award	Nominations likely due late March 2024	https://swe.org/awards/individual-awards/