

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

Updated September 3, 2020

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 EST on October 31	http://www.aiaadbf.org/
	N/A	Undergraduate Team Aircraft Design Competition	Design Competition	Letter of intent due February 12th	http://www.aiaa.org/DesignCompetitions/
	N/A	Graduate Team Aircraft Design Competition	Design Competition	Letter of intent due February 12th	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Team Space Systems Design Competition	Design Competition	Letter of intent due February 12th	http://www.aiaa.org/DesignCompetitions/
	N/A	Graduate Team Missile Systems Design Competition	Design Competition	Letter of intent due February 12th	http://www.aiaa.org/DesignCompetitions/
	AIAA Regional Student Conference (none in US due to COVID-19)	Paper and Presentation Competition	Paper	Abstract due mid-February	https://www.aiaa.org/home/get-involved/students-educators/student-conferences
American National Standards Institute (ANSI)	N/A	ANSI Student Paper Competition	Paper	Paper due mid April (competition details for 2021 to be announced soon)	https://www.ansi.org/news_publications/news_story?menuid=7&articleid=49b9aa2a-c57e-4dc4-a083-3d5c151ebfbb
	E-Fest North	Human Powered Vehicle Challenge (HPVC)	Design Competition	Registration due late 2020 (schedule coming soon)	https://efests.asme.org/competitions/human-powered-vehicle-challenge-(hpvc)
	E-Fest North	IAM3D	Design Competition	Registration due early February	https://efests.asme.org/competitions/asmе-innovative-additive-manufacturing-3d-challeng/2020-innovative-additive-manufacturing-3d-challeng
	E-Fest North	Student Design Competition	Design Competition	Registration due early February	https://efests.asme.org/competitions/student-design-competition-(sdс)/2020-student-design-competition
	E-Fest North	Old Guard Oral Presentation	Poster	Registration due early February	https://efests.asme.org/competitions/old-guard-competitions
	E-Fest North	Old Guard Elevator Pitch Competition	Poster	Registration due early February	https://efests.asme.org/competitions/elevator-pitch-competition-new
	Turbomachinery Technical Conference and Expo (TURBO)	Student Poster Session	Poster	Abstract due October 2nd	https://event.asme.org/Turbo-Expo-2021
	Pressure Vessels and Piping	Student Paper Competition	Paper	Abstract due early November	http://event.asme.org/PVP
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	Student Design Essay Competition	Paper	Abstract due late February	https://event.asme.org/IDETC-CIE
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	MSNDC Student Paper Competition	Paper	Abstract due late February	https://event.asme.org/IDETC-CIE

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American Society of Mechanical Engineerings (ASME)	Packaging and Integration of Electronic and Photonic Microsystems (INTERPACK)	Student Poster Session	Poster	Paper due for review late May	https://event.asme.org/InterPACK
	Smart Materials, Adaptive Structures, and Intelligent Systems	Student Paper Competition	Paper	Abstract due March	https://event.asme.org/SMASIS/Program/Best-Paper-Competition
	Smart Materials, Adaptive Structures, and Intelligent Systems	Student Hardware Competition	Paper	Abstract due March	https://event.asme.org/SMASIS/Program/Hardware-Competition
	Dynamic Systems and Control Conference	Best Student Paper Competition	Paper	Draft due early April	https://event.asme.org/DSCC/Program/Best-Student-Paper-Competition
	Internal Combustion Engine Fall Technical Conference	Student Presentation Competition	Paper	Paper due early May	https://event.asme.org/ICEF
	International Mechanical Engineering Congress and Exposition	Undergraduate Research and Design Expo Student Poster Competition	Poster	Register SEPTEMBER 4th	https://event.asme.org/IMECE
	International Mechanical Engineering Congress and Exposition	NSF Poster Competitions	Poster	Abstract due mid July	https://event.asme.org/IMECE
	International Mechanical Engineering Congress and Exposition	NCAD Best Student Paper Award	Paper	Abstract due early February	https://event.asme.org/IMECE
	International Mechanical Engineering Congress and Exposition	Young Engineers Paper (YEP) Contest	Paper	Abstract due mid February	https://event.asme.org/IMECE
	International Mechanical Engineering Congress and Exposition	Safety Engineering, Risk and Reliability Analysis Division Student Challenge	Paper	Abstract due mid February	https://event.asme.org/IMECE
N/A	N/A	Hydrogen Student Design Contest	Design Competition	Registration due late September	http://hydrogencontest.org/
	N/A	American Solar Challenge	Design Competition	Registration due early October	http://americansolarchallenge.org/
	N/A	Solar Decathlon (Design and Build challenge)	Design Competition	Application due October 20th (Design challenge)	https://www.solardecathlon.gov/
	N/A	Collegiate Wind Competition	Design Competition	Application due early December for 2022	https://energy.gov/eere/collegiatewindcompetition/collegiate-wind-competition
U.S. Environmental Protection Agency (EPA)	N/A	People, Prosperity, and the Planet (P3) Student Design Competition	Design Competition	Check site for funding opportunities	https://www.epa.gov/P3
	N/A	Campus RainWorks Challenge	Design Competition	Registration due October 1	https://www.epa.gov/green-infrastructure/campus-rainworks-challenge-0

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Institute of Electrical and Electronics Engineers (IEEE)	IEEEXtreme Programming Competition	IEEEXtreme Programming Competition	Design Competition	Registration due before competition (mid October)	http://ieeextreme.org
	N/A	IEEE Student Enterprise Award	Award	Nominations February 14	https://www.ieee.org/membership_services/membership/students/awards/student_branch_awards.html?WT.mc_id=lp_st_sba
	N/A	Solar Splash	Design Competition	Registration due April 15	http://solarsplash.com/
	N/A	International Future Energy Challenge	Design Competition	Proposal due in July	http://energychallenge.weebly.com/
National Aeronautics and Space Administration (NASA)	N/A	Big Idea Challenge	Design Competition	Notice of intent due Sep 25	http://bigidea.nianet.org/
	N/A	Centennial Challenge Program	Design Competition	Registration due late September	https://www.nasa.gov/directorates/spacetech/centennial_challenges/vascular_tissue.html
	N/A	Revolutionary Aerospace Systems Concepts - Academic Linkage (RASC-AL)	Design Competition	Notice of intent due mid October	http://rascal.nianet.org/
Society of Automotive Engineers (SAE)	N/A	Aero Design East	Design Competition	Registration due mid October	https://www.sae.org/attend/student-events/sae-aero-design-east/
	N/A	Aero Design West	Design Competition	Registration due mid October	https://www.sae.org/attend/student-events/sae-aero-design-west/
	N/A	Baja	Design Competition	Registration due mid October	https://www.bajasae.net/
	N/A	Clean Snomobile Challenge	Design Competition	Registration due mid October	https://www.sae.org/attend/student-events/sae-clean-snomobile-challenge/
	N/A	Formula Hybrid	Design Competition	Registration due mid October	https://www.sae.org/attend/student-events/formula-hybrid/
	N/A	Formula Electric	Design Competition	Registration due mid October	https://www.sae.org/attend/student-events/formula-sae-electric/
	N/A	Supermileage	Design Competition	Registration due mid October	https://www.sae.org/attend/student-events/sae-supermileage/
Society of Hispanic Professional Engineers (SHPE)	SHPE Engineering Science Symposia	Oral Presentation	Poster	Abstract due September 25	http://convention.shpe.org/programs/competitions/engineering-science-symposium/
	SHPE Engineering Science Symposia	Poster Presentation	Poster	Abstract due September 25	http://convention.shpe.org/programs/competitions/engineering-science-symposium/
Sigma Xi	Student Research Showcase	Science Communication Competition	Award	Abstract due late March	https://www.sigmaxi.org/meetings-events/student-research-showcase
Society of Women Engineers (SWE)	N/A	PepsiCo SWE Student Engineering Challenge	Design Competition	Abstract due early July	https://swe.org/awards/collegiate-competitions/
	N/A	Collegiate Poster & Rapid Fire Competition	Poster	Abstract due early June	https://swe.org/awards/collegiate-competitions/
	N/A	Team Tech Competition	Design Competition	Proposal due early January	https://swe.org/awards/collegiate-competitions/

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	N/A	Outanding Collegiate Member Award	Award	Nominations due late March	https://swe.org/awards/individual-awards/