

Johns Hopkins University - Department of Mechanical Engineering - Competition Opportunities

Updated August 20, 2018

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 late October	http://www.aiaadbf.org/
	N/A	Undergraduate Team Aircraft Design Competition	Design Competition	Letter of intent due early February	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Individual Aircraft Design Competition	Design Competition	Letter of intent due early February	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Team Space Systems Design Competition	Design Competition	Letter of intent due early February	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Team Structures Design Competition	Design Competition	Letter of intent due early February	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Team Missile Systems Design Competition	Design Competition	Letter of intent due early February	http://www.aiaa.org/DesignCompetitions/
	N/A	Undergraduate Team Engine Design Competition	Design Competition	Letter of intent due early February	http://www.aiaa.org/DesignCompetitions/
	AIAA Regional Student Conference	Paper and Presentation Competition	Paper	Abstract due late February	https://www.aiaastudentconference.org/
American National Standards Institute (ANSI)	N/A	ANSI Student Paper Competition	Paper	Paper due mid April	https://www.ansi.org/news_publications/news_story?menuid=7&articleid=26143a8f-3249-461b-9606-35e6dc97fcfe
American Society of Mechanical Engineerings (ASME)	E-Fest East	Human Powered Vehicle Challenge (HPVC)	Design Competition	Registration due late January	https://community.asme.org/hpvc/w/wiki/6688.competitions.aspx?_ga=2.248172039.1403741828.1503428447-868805558.1502474017
	E-Fest East	IAM3D	Design Competition	Registration due early February	https://www.asme.org/events/competitions/iam3d-challenge?_ga=2.176399269.1403741828.1503428447-868805558.1502474017
	E-Fest East	Student Design Competition	Design Competition	Registration due early February	https://www.asme.org/events/competitions/student-design-competition?_ga=2.176399269.1403741828.1503428447-868805558.1502474017
	E-Fest East	Old Guard Oral Presentation	Poster	Registration due early February	https://www.asme.org/events/competitions/old-guard-competitions?_ga=2.176399269.1403741828.1503428447-868805558.1502474017
	E-Fest East	Old Guard Technical Poster	Poster	Registration due early February	https://www.asme.org/events/competitions/old-guard-competitions?_ga=2.176399269.1403741828.1503428447-868805558.1502474017
	Turbomachinery Technical Conference and Expo (TURBO)	Student Poster Session	Poster	Abstract due mid August	https://www.asme.org/events/turbo-expo
	Pressure Vessels and Piping	Student Paper Competition	Paper	Abstract due early November	https://www.asme.org/events/pvp
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	Student Design Essay Competition	Paper	Abstract due early March	https://www.asme.org/events/idetccie
	International Design Engineering Technology Conference and Computation and Information in Engineering Conference	MSNDC Student Paper Competition	Paper	Abstract due early March	https://www.asme.org/events/idetccie
	Packaging and Integration of Electronic and Photonic Micorsystems (INTERPACK)	Student Poster Session	Poster	Abstract due mid December	https://www.asme.org/events/interpack
	Smart Materials, Adaptive Structures, and Intelligrnt Systems	Student Paper Competition	Paper	Abstract due mid March	https://www.asme.org/events/smasis
	Smart Materials, Adaptive Structures, and Intelligrnt Systems	Student Hardware Competition	Paper	Abstract due mid March	https://www.asme.org/events/smasis
	Dynamic Systems and Control Conference	Student Paper Competition	Paper	Draft due early April	https://www.asme.org/events/dscc
	Internal Combustion Engine Fall Technical Conference	Student Presentation Competition	Poster	Abstract due early March	https://www.asme.org/events/icef
	International Mechanical Engineering Congress and Exposition	Undergraduate Research and Design Expo Student Poster Competition	Poster	Abstract due early September	https://www.asme.org/events/imece
	International Mechanical Engineering Congress and Exposition	NSF Poster Competitions	Poster	Abstract due mid February	https://www.asme.org/events/imece
	International Mechanical Engineering Congress and Exposition	NCAD Best Student Paper Award	Paper	Abstract due mid February	https://www.asme.org/events/imece
	International Mechanical Engineering Congress and Exposition	Young Engineers Paper (YEP) Contest	Paper	Abstract due mid February	https://www.asme.org/events/imece
	International Mechanical Engineering Congress and Exposition	Safety Engineering, Risk and Reliability Analysis Division Student Challenge	Paper	Abstract due mid February	https://www.asme.org/events/imece

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U.S. Department of Energy (DOE)	N/A	Race to Zero Student Design Competition	Design Competition	Registration due early November	https://energy.gov/eere/buildings/us-department-energy-race-zero-student-design-competition
	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 Competition	Registration due early November	https://www.solardecathlon.gov/
	N/A	EcoCAR3	Design Competition	Registration due early September	http://ecocar3.org/
U.S. Environmental Protection Agency (EPA)	N/A	Collegiate Wind Competition	Design Competition	Proposal due late fall	https://energy.gov/eere/collegiatewindcompetition/collegiate-wind-competition
	N/A	People, Prosperity, and the Planet (P3) Student Design Competition	Design Competition	Registration due early February	https://www.epa.gov/P3
U.S. Environmental Protection Agency (EPA)	N/A	Campus RainWorks Challenge	Design Competition	Registration due early September	https://www.epa.gov/green-infrastructure/campus-rainworks-challenge-0
	N/A	IEEEXtreme Programming Competition	Design Competition	Registration due mid August	http://ieeextreme.org
Institute of Electrical and Electronics Engineers (IEEE)	N/A	IEEEXtreme Programming Competition	Design Competition	Registration due mid August	http://ieeextreme.org
	N/A	IEEE Student Enterprise Award	Award	Nominations due late January	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 early January	http://solarsplash.com/
National Aeronautics and Space Administration (NASA)	N/A	Future Energy Challenge	Design Competition	Workshop in late September	http://www.energychallenge.org
	N/A	Big Idea Challenge	Design Competition	Letter of intent due early October	http://bigidea.nianet.org/
	N/A	Centennial Challenge Program	Design Competition	Registration due late September	https://www.nasa.gov/directorates/spacetech/centennial_challenges/vascular_t_issue.html
Society of Automotive Engineers (SAE)	N/A	Revolutionary Aerospace Systems Concepts - Academic Linkage (RASC-AL)	Design Competition	Letter of intent due mid October	http://rascal.nianet.org/
	N/A	Aero Design East	Design Competition	Registration due early November	https://www.sae.org/attend/student-events/sae-aero-design-east/
	N/A	Aero Design West	Design Competition	Registration due early November	https://www.sae.org/attend/student-events/sae-aero-design-west/
	N/A	AutoDrive Challenge	Design Competition	Non-disclosure agreement due early September	https://www.sae.org/attend/student-events/autodrive-challenge/
	N/A	Baja	Design Competition	Registration due early November	https://www.bajasae.net/
	N/A	Clean Snomobile Challenge	Design Competition	Registration due early November	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/
Society of Hispanic Professional Engineers (SHPE)	N/A	Formula Electric	Design Competition	Registration due early November	https://www.sae.org/attend/student-events/formula-sae-electric/
	N/A	Supermileage	Design Competition	Registration due early November	https://www.sae.org/attend/student-events/sae-supermileage/
Society of Hispanic Professional Engineers (SHPE)	SHPE Engineering Science Symposia	Oral Presentation	Poster	Abstract due early September	http://shpenationalconvention.shpe.org/engineering-science-symposium/
	SHPE Engineering Science Symposia	Poster Presentation	Poster	Abstract due early September	http://shpenationalconvention.shpe.org/engineering-science-symposium/
Sigma Xi	Student Research Showcase	Science Communication Competition	Award	Abstract due mid September	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	http://societyofwomenengineers.swe.org/awards/collegiate-competitions
	N/A	Collegiate Poster & Rapid Fire Competition	Poster	Abstract due early June	http://societyofwomenengineers.swe.org/awards/collegiate-competitions
	N/A	Team Tech Competition	Design Competition	Proposal due early January	http://societyofwomenengineers.swe.org/awards/collegiate-competitions
	N/A	Outstanding Collegiate Member Award	Award	Nominations due late March	http://societyofwomenengineers.swe.org/awards/individual-awards