



Student Engineering Competitions		
AAES Member Society	Name of Competition	Web link
ABET	#ABETconfident Video Contest	http://www.abet.org/workshops-and-events/abetconfident-video-contest/
AIAA	Generation STEM: Discovering Aerospace through Experience	http://www.aiaa.org/genstem/
	Undergraduate/graduate:Life Sciences Team Design Competition	http://www.aiaa.org/UndergradLifeSciTeamDesignComp2017/
	Undergraduate/graduate:Team Aircraft Design Competition-Jet	http://www.aiaa.org/UndergradTeamAircraftDesignComp2017/
	Undergraduate/graduate:Team Aircraft Design Competition- MMA	http://www.aiaa.org/UnderGradTeamAircraftDesignComp-MMA2017/
	Undergraduate Team Engine Design Competition	http://www.aiaa.org/UndergradTeamEngineDesignComp2017/
	Undergraduate Team Space Design Competition	http://www.aiaa.org/UndergradTeamSpaceDesignComp2017/
	Undergraduate Team Space Transportation Design Competition	http://www.aiaa.org/UnderGradTeamSpaceTransportDesignComp2017/
	Design, Build, Fly	http://www.aiaadb.org/ Note: AIAA Foundation/Cessna Aircraft/Raytheon Missile Systems
	Cansat Competition	http://www.cansatcompetition.com/ Note: cosponsor with AAS
AICHe	Chem-E-Car Competition	https://www.aiche.org/community/students/chem-e-car
	ChemE Jeopardy Competition at the Annual Student Conference	https://www.aiche.org/community/awards/cheme-jeopardy-competition
	Global Undergraduate Student Video Competition	https://www.aiche.org/community/awards/global-undergraduate-student-video-competition
	Regional Student Paper Competition	https://www.aiche.org/community/awards/regional-student-paper-competition
	Student Design Competition - Team	https://www.aiche.org/community/awards/student-design-competition-team
	Student Design Competition - Individual	https://www.aiche.org/community/awards/student-design-competition-individual
	Student Paper Competition at Annual Student Conference	https://www.aiche.org/community/awards/student-paper-competition
	Student Poster Competition at Annual Student Conference	https://www.aiche.org/community/awards/student-poster-competition
AIME		
AIST	T.C. Graham Prize	http://www.aist.org/about-aist/awards-recognition/graham-prize-(1)
	Graduate Student Poster Contest, Undergraduate Student Project Presentation Contest, AIST Foundation Video Challenge	http://www.aist.org/students-faculty/contests
TMS	TMS Materials Bowl	http://www.tms.org/students/contests.aspx
	Bladesmithing Competition	http://www.tms.org/meetings/annual-17/AM17Bladesmithing.aspx
	Student Poster Competition	http://www.tms.org/students/contests.aspx
	Student Best Paper Contest	http://www.tms.org/students/bestpapers.aspx
AIST and TMS	Material Advantage (joint student membership in 4 societies) Contests: Undergraduate speaking contest, Ceramic Mug Drop, Ceramic Disc Golf, Graduate Student Poster Competition, Undergraduate Student Poster Competition	http://materialadvantage.org/financial-opportunities/contests
	SME Mineral & Metallurgical Processing (MPD) Division Student Poster Contest	http://www.smenet.org/students/student-competitions/mpd-division-student-poster-competition
SPE	Move Mining competition	http://www.smeprmo.com/movemining/
	Graduate Student Research Poster Contest	http://www.smenet.org/students/student-competitions/graduate-student-poster-contest
	Student Design Competition	http://www.smenet.org/students/student-competitions/student-design-competition
	Student Paper Contest	http://www.spe.org/students/contest.php
	Petrobowl	http://www.spe.org/students/petrobowl/
ANS	Student Design Competition	http://www.ans.org/honors/awards/award-studesign/
ASCE	Concrete Canoe	http://www.asce.org/event/2017/concrete-canoe/
	Student Steel Bridge Competition	https://www.asce.org/education/university-programs/student-steel-bridge-competition/
	AEI Student Competition	http://www.asce.org/architectural-engineering/aei-student-competition/
	International Contest on Long-Term Pavement Performance (LTPP) Data Analysis	http://www.asce.org/transportation-and-development-engineering/t-and-di-contests/
	SEI Student Video Competition	http://www.asce.org/structural-engineering/sei-students/

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ASCE cont.	Innovation contest	https://ascegrandchallenge.com/innovation-contest/ Note: student/professional
	Daniel W. Mead Prize for Students	http://www.asce.org/mead-student/
	Geo-Wall, Transportation, and Water Treatment Competitions; Water Research Paper	http://ascemidpac.weebly.com/competitions--files.html Note: Mid-Pacific Student Chapters
	CI Student Days - Challenge	http://www.ascestudentdays.org/
ASEE	M250-Two-Year College Division Model Design Competition	http://faculty.tcc.edu/PGordy/ASEE/index.html
ASME	Human Powered Vehicle Challenge (HPVC)	https://www.asme.org/events/competitions/human-powered-vehicle-challenge-(hpvc)
	IAM3D Challenge	https://www.asme.org/events/competitions/iam3d-challenge
	Student Design Competition	https://www.asme.org/events/competitions/student-design-competition
	Old Guard Competitions	https://www.asme.org/events/competitions/old-guard-competitions
	ISHOW	https://www.asme.org/about-asme/news/asme-news/years-innovation-showcase-ishow-launch-feb-1 Note: student/professional
	Future Engineers, "Mars Medical" Design Challenge	https://www.asme.org/about-asme/news/asme-news/future-engineers-foundation-nasa-launch-mars Note: Cosponsor with NASA
EWB-USA	Knowledge Bowl	http://www.ewb-usa.org/recognizing-hearts-minds-ewb-usas-volunteers/
	Photo Contest	http://www.ewb-usa.org/winners-2016-ewb-usa-photo-contest/
	Eweek Story Contest	http://www.ewb-usa.org/engineers-week-contest-share-your-story-win-a-prize/
IEEE-USA (IEEE)	IEEEExtreme 24-Hour Programming Competition	http://www.ieee.org/membership_services/membership/students/competitions/xtreme/index.html
	madC (Mobile Applications Design Context)	http://ieeemadc.org/
	Regional Robotics Competition	http://sites.ieee.org/robocomp2017/
	Regional Student Software Competition	http://sites.ieee.org/southeastcon2017/student-program/student-software-competition/
	Regional Hardware Competition	http://sites.ieee.org/southeastcon2017/student-program/student-hardware-competition/
	Student Paper Contests	http://sites.ieee.org/southeastcon2017/student-program/student-paper-competition/ https://www.ieee.org/membership_services/membership/students/awards/syst_man_cybern.html http://www.ieee802.org/StudentPaperContest/2016/index.shtml
		The Amazing MicroMouse Contest
ISA	Robotics Competition, FIRST	http://www.firstinspires.org/about/details-of-first-steamworks-2017-robotics-game-revealed Note: ISA endorses this program
NACE	First Corrosion Design Competition for University Students	http://www.usdasc.com/
	Student Poster Competition	http://nacecorrosion.org/student-poster-session
NCEES	Future City Competition	http://futurecity.org/ Note: NCEES sponsors FutureCity
NSBE	NSBE Jr. competitions:	
	FIRST LEGO League Junior	http://www.nsbe.org/NSBE-Jr/Programs/JrFLL.aspx#.WMbCtPkrJhE
	FIRST LEGO League	http://www.nsbe.org/NSBE-Jr/Programs/FLL.aspx#.WMbCOPkrJhE
	Mathcounts Competition	http://www.nsbe.org/NSBE-Jr/Programs/MATHCOUNTS.aspx#.WMbC4PkrJhE
	Mathvideo Challenge	http://www.nsbe.org/NSBE-Jr/Programs/MATHVIDEO-Challenge.aspx#.WMbDF_krJhE
	NSBE Jr. Explorer: Technical Innovations Competition	http://www.nsbe.org/NSBE-Jr/Programs/NSBE-Jr-Explorer.aspx#.WMbC-krJhE
	Ten80 STEM Initiative	http://www.nsbe.org/NSBE-Jr/Programs/Ten80-STEM-Initiative.aspx#.WMbDKPkrJhE
	KidWind Challenge	http://www.nsbe.org/NSBE-Jr/Programs/KidWind-Challenge.aspx
	Try-Math-A-Lon	http://www.nsbe.org/NSBE-Jr/Programs/TMAL.aspx#.WMbDxfkrJhE
	VEX Robotics Competition	http://www.nsbe.org/NSBE-Jr/Programs/VEX-Robotics.aspx#.WMbD8_krJhE
	NSBE Collegiate competitions:	
	Academic Technical Bowl (ATB)	http://convention.nsbe.org/2017/01/collegiate-competitions/
Technical Research Exhibition (TRE)	http://convention.nsbe.org/2017/01/collegiate-competitions/	

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NSBE cont.	NSBEPreneur: Fire Pit Competition	http://convention.nsbe.org/2017/01/collegiate-competitions/	
	NSBE Debaters	http://convention.nsbe.org/2017/01/collegiate-competitions/	
	NSBE Hackathon	http://convention.nsbe.org/2017/01/collegiate-competitions/	
	Boeing Flight Competition	https://www.nsbe.org/Programs/Competitions/Boeing-Flight-Competition.aspx#.WMbGaPnyvRZ	
NSPE	Bridge Building Competition Guidelines	http://nspe-co.org/events3.php	
	Milton F. Lunch Ethics Essay Contest	https://www.nspe.org/resources/ethics/ethics-resources/milton-f-lunch-ethics-contest	
SAME	E-Week - Floatable Moatable Event	http://www.same.org/calendar/ModuleID/6303/ItemID/1407/mctl/EventDetails	
	Student Competitions	http://eweekak.org/student-competitions/	
SWE	PepsiCo SWE Student Engineering Challenge	http://societyofwomenengineers.swe.org/awards/collegiate-competitions/4481-pepsico-swe-student-engineering-challenge	
	Team Tech Competition	http://societyofwomenengineers.swe.org/awards/collegiate-competitions	
	Collegiate Poster Competition	http://societyofwomenengineers.swe.org/awards/collegiate-competitions	
	STEM Outreach Competition for Collegiates	http://societyofwomenengineers.swe.org/awards/collegiate-competitions	
Other Competitions:			
Verizon Innovative Learning	App Challenge	https://appchallenge.tsaweb.org/	6th-12th grades
SAE	Baha Competition	http://students.sae.org/cds/	College
BEST Robotics, Inc.	Best	http://www.bestinc.org/	6th-12th grades
Botball	Botball	http://www.botball.org/	6th-12th grades
NSTA	Bright Schools Competition	http://brightschoolscompetition.org/	6th-8th grades
Conrad Foundation	Conrad Spirit of Innovation Challenge	http://www.conradchallenge.org/	9th-12th grades
Destination Imagination	Destination Imagination	https://www.destinationimagination.org/	K - university level
AEOP	eCYBERMISSION	https://www.ecybermission.com/	6th-9th grades
Engineer girl	essay contest	https://www.engineergirl.org/10209.aspx	3rd-12th grades
FIRST	FIRST Lego League	http://www.firstinspires.org/robotics/fl Note: ASEE, ISA, and SWE have Alliances with FIRST	4th-8th grades
FIRST	FIRST Robotics Competition	https://www.firstinspires.org/robotics/frc	9th - 12th grades
FIRST	FIRST Tech Challenge	https://www.firstinspires.org/robotics/ftc	7th - 12th grades
DiscoverE	Future City Competition	http://futurecity.org/ Note: NSPE cosponsors	
	- Awards	http://futurecity.org/awards Note: Several AAES member societies sponsor special awards	
AEOP	Junior Solar Sprint	http://www.usaeop.com/programs/competitions/iss/	5th-8th grades
Mathcounts	Math Counts	https://www.mathcounts.org/ Note: NSPE Founding and National Sponsor	
Micromouse USA	Micromouse	http://micromouseusa.com/?page_id=23	
MATE	Underwater Robotics - ROV Competition	https://www.marinetech.org/rov-competition/	K-12th grades
Piusi	i3 Piusi Italian Innovation Internship, Engineering Competition - Boston Ed.	http://www.i3piusi.com/	
ProjectCSGIRLS	ProjectCSGIRLS	http://www.projectcsgirls.com/	6th-8th grades
Pumpkin Chunkin	Pumpkin Chunkin	https://www.punkinchunkin.com/the-competition.html	All ages
EPA	P3 Competition	https://www.epa.gov/P3/learn-about-p3-program	
RedBull	Red Bull Paper Wings	http://www.redbullpaperwings.com/Countries/United_States/New	College
REC Foundation	Robotics Competitions	http://www.roboticseducation.org/	4th-college
Young Scientist Lab	Young Scientist Challenge	https://www.youngscientistlab.com/challenge/	5th-8th grades