student award for excellence

deep space deep ocean 2016

Sept. 29-30 • JW Marriott Houston Galleria • Houston, Texas
Showcase Your Commitment to Excellence

Overview

Aramco Services Company is pleased to announce that it will again sponsor the Student Award for Excellence in conjunction with the Deep Space, Deep Ocean (DSDO) 2016 Forum, which will be held September 29 & 30 in Houston, Texas. The award will be presented to the individual or team that submits a project proposal that relates to one of the forum’s specific themes and provides the best innovative solution to an industry challenge.

DSDO forum background

Aramco launched its first DSDO Forum in April 2015 to help advance industry excellence. More than 500 leaders from oil & gas, aerospace and other industries attended the two-day event to 1) discuss shared operational challenges, especially those that arise when operating in harsh, remote environments; and 2) explore crossover technologies and opportunities to collaborate on new solutions for safety and reliability.

The National Aeronautics and Space Administration (NASA) served as a major contributor - and will continue to do so for the 2016 event. A post-event survey showed an overwhelmingly positive response from last year’s attendees, with many expressing their interest to participate again.

The forum is designed for business leaders; engineers; scientists; research and development professionals; reliability and asset managers; and entrepreneurs in the energy (upstream and downstream) and aerospace industries. It is also designed for engineering services companies, the academic community, and others who lead technology innovation.
Student contest

Eligibility for participation:

- Current full-time undergraduate or graduate student (12 plus credits per semester);
- Attend a university with ABET-accredited programs in engineering, science, technology, or energy with at least four (4) different accredited disciplines (i.e. mechanical engineering, chemical engineering, electrical engineering, petroleum engineering, aerospace engineering, geophysics, computer science, biomedical, computational science, etc.
- Participate as an individual or as a team with not more than five (5) members.

Award/benefits

- All individuals and teams that submit a valid project will be offered free registration to the 2016 DSDO Forum. Note: This includes the registration fee only; not expenses related to travel, accommodations, or any other related activities.
- All those who submit a valid entry will be provided space at the 2016 DSDO Forum expo to showcase their project. This will allow heightened exposure to a group of senior-level business leaders, technology officers, and decision-makers. Note: Last year’s event drew more than 500 participants; with 45 percent holding C-level positions within their organization.
- The winning individual or team will receive a $3,000 award. Note: If a team wins, the award will be split evenly among its members as per the conditions stated in this guide.
2016 Challenge

Exploring Crossover Technologies in the Space and Energy Sectors

Each individual or team will need to develop and give a poster presentation on a proposed research project that: 1) relates to the overall DSDO mission “to explore crossover technologies in the space and energy sectors” to solve an industry challenge(s) or 2) specifically ties in to one of the themes of the three general sessions or one of the four technical breakouts (Deep Dives):

General Session Themes:
1. Cross-Industry Innovation
2. Future Technologies
3. Seeing Opportunity During Challenging Times

Deep Dive Technical Tracks:
1. Risk Management and Reliability
2. Autonomous Technologies
3. Breakthrough Process Technologies
4: Innovative Technologies and Materials

Registration requirements & instructions
Registration is first required for participation in the DSDO Student Award for Excellence competition. Each individual or a team designee must submit the project title and a one-paragraph description, contact information (email, phone, and mailing address). Note: Teams must submit the name and contact information for each of its members. The registration deadline is April 18.

All registration information must be sent to:
studentaward@DSDOforum.com
Project submission requirements/deadline
Participants are required to submit electronic versions of their project materials prior to the DSDO 2016 Forum. The submission deadline is Aug. 1, 2016 by 11:59 p.m. CST. Earlier submission of materials is encouraged - especially in consideration of the summer semester break.

Materials needed:
- A PDF of the poster presentation in a horizontal format that comprehensively details the team’s solution. Note: The physical poster board to be displayed at the forum should be 40” x 30” in size and a 300 dpi resolution.
- A brief video (two to three minutes) of the individual participant or each member of the group discussing the project merits.
- A bio of the individual or each team member; including name, educational background, major area of study, etc. The document should be submitted in a PDF format.

In addition to the above requirements, participants are highly encouraged to explore a range of media to effectively present their solutions. This may include prototypes and 3D models; as well as videos, websites, and print ads - anything that will help the team better communicate its solution and the processes that led to its conclusion.

Note: Digital images are required for all materials. If any materials are not digital in nature - such as supplemental physical prototypes and models, as referenced - they must be photographed and the images sent along with the rest of the materials.

All project submissions must be sent by Aug. 1, 2016 to:
studentaward@DSDOforum.com
Judging process
Submissions will be reviewed and assessed as to the validity of the project - cogency, process, impact, and illustration. The participant(s) brief video presentation should also clearly demonstrate answers to the following questions:

- What challenge are you trying to resolve?
- How are those in industry generally addressing the challenge today, and what are the limits of this current practice?
- What’s new in your approach, and what is the expected impact if successful?
- Who would use it?
- What are the risks and payoffs?
- What is the estimated cost and implementation time of your new solution?
- Can your solution be realistically implemented on a large scale?

All participants submitting an entry will be notified within thirty (30) days of their submission regarding confirmation of acceptance.

Those notified of acceptance will be invited to the 2016 DSDO Forum to present their project to the Student Award for Excellence Judging Panel - a select group of individuals representing industry, NASA, and academia. Each individual or team will be assigned a specific time slot on September 29 to make their presentation. The judges will evaluate each entry and place their votes. The winning individual or team will be announced at the third general session, the morning of September 30.

Participants will be given space at the forum to present their project to the judges, and also showcase it to the hundreds of top industry and technology leaders at the forum.
General inquiries
Any questions regarding the DSDO Student Award for Excellence competition should be emailed to: studentaward@DSDOforum.com. The student competition coordinators are also available to provide assistance:

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The fine print
This competition is void where prohibited by law. There is no fee to enter the competition; however, you are responsible for any costs that you may incur for creating and submitting the materials that comprise your solution. Upon the date of submission, your solutions and any materials that comprise them will remain your intellectual property, which you are free to develop and promote at your own discretion. However, by submitting the materials that comprise your solution in this competition, you give Aramco Services Company the right to use said materials, as well as your personal profile information, including but not limited to, name, school, major, team name, image, and likeness, for any non-commercial purpose, including display, promotion, and assessment. Any non-commercial use of the materials that comprise your solution by the above parties will be accompanied by the appropriate attribution as to their creator and/or source. To win, individuals must be present and teams must have at least one member in attendance to display the team’s project at the 2016 Deep Space, Deep Ocean Forum and attend the award presentation. All winners of cash prizes are solely responsible for any applicable U.S. income tax. Taxes will be withheld from any cash prize awarded to foreign citizens. Any team or individual that fails to meet the eligibility requirements at any point in the competition will be disqualified. Individuals and teams notified of their submission’s validity and acceptance will be required to complete relevant documentation related to this matter; such as a declaration of eligibility, a liability release, a publicity release, or such other documents as may be required by organizers of the DSDO Forum. Required documents must be signed and received within seven (7) business days prior to the DSDO Forum, or Sept. 21, 2016 at the latest. Failure to complete and return the required documents will result in the forfeiture of the team’s attendance at the DSDO Forum. A parent or guardian of team members who are not of the age of majority in his or her state of residence will be required to ratify and sign required documents. The signed documentation constitutes permission (except where prohibited by law) to use the name of the individual or each team member, as well as educational background (including name of Institution and major of study), and/or likenesses for promotional purposes without further notice or monetary compensation.
First-place team at DSDO 2015