

# Student Poster Competition

**Abstract and Entry Deadline – March 18, 2011**

SAE 2011 Noise and Vibration  
Conference and Exhibition  
May 17-19, 2011 DeVos Place Convention Center  
Grand Rapids, Michigan, USA

The SAE 2011 Noise and Vibration Conference and Exhibition will be hosting a Student Poster Competition. The competition is open to all currently enrolled full-time undergraduate university students as well as those who have graduated within the past 6 months.

The purpose of this poster display is to explain, instruct, define, clarify, demonstrate and teach the many concepts and applications of noise and vibration engineering.

Vehicles addressed by the Conference are ALL vehicles, including Passenger Cars (IC, Electric, and hybrid), Aircraft (interior noise), Trucks, Buses, Off-Road, including construction and Marine, and Railroad. The invited subject areas include, but are not limited to:

CONTROL - damping and absorption materials, mounting techniques  
VIBRATION ISOLATION  
REDUCTION OF COMPONENT N&V - body components, brakes, etc.  
N & V MEASUREMENT - instrumentation, techniques & analysis  
OBJECTIVE & SUBJECTIVE EFFECTS OF N&V - evaluation criteria  
ENGINE (on-road vehicles) - component & system N & V control  
VEHICLE DESIGN - integrated engineering, tools, criteria & NVH topics

Applicants are invited to submit abstracts of 300 words or less, describing their potential poster display. Each abstract should include a brief description of the objective of the work the problem it is describing or attempting to solve, the approach followed, the type of data to be included (as appropriate), and the conclusions reached plus any recommendations. All poster displays are to be non-commercial, academic in nature, not a substitute for an exhibit and not to promote a product.

Completed abstracts, including names of involved individuals, organization, mailing address, phone and FAX numbers, should be sent no later than March 18, 2011 (preferably via e-mail) to:

Chad Musser  
cmusser@ccinc.com  
(617)-381-4327

**Rules of the Competition:**

Purpose and scope: The purpose of this poster display is to explain, instruct, define, clarify, demonstrate and teach the many concepts and applications of noise and vibration engineering. All poster displays are to be non-commercial, academic in nature, not a substitute for an exhibit and not to promote a product.

SAE Membership is not mandatory.

An entry can be displayed by either a group or students, or individual students. However, all involved participants in the poster creation and presentation must be currently-enrolled undergraduate students.

Board size is 30" x 40", to be displayed on an easel, either horizontally or vertically (discretion of the participant). No electrical outlets will be available (but this does not limit the use of electrical power to batteries).

**Set up:**

Starting Monday, May 16, 5:00 pm and completed no later than Tuesday, May 17 by 12pm (noon) in the Exhibition Hall area, DeVos Place Convention Center

**Judging:**

Tuesday, May 17, 2:30 pm

Judges will listen to a brief 10 minute presentation and select winning displays based on  
1) effectiveness in demonstrating a principle which fits into the purpose and scope of the competition.

- 2) quality of the display
- 3) effectiveness of the presentation and
- 4) reproducibility and portability of the demonstration

**Awards:**

Prizes of \$300, \$200 and \$100.

Prizes will be awarded during Wednesday's Keynote Luncheon  
Wednesday, May 18, 12:00 pm – 1:30 pm, DeVos Place Convention Center

For questions, please contact:

Chad Musser  
cmusser@ccinc.com  
(617)-381-4327