



Partnership for **Air Transportation Noise and Emissions Reduction**
A Center of Excellence Sponsored by
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**Announcing the 10th Annual
Joseph A. Hartman Student Paper Competition**
Submission Deadline: 31 December 2013

This research competition seeks to capture the very best ideas concerning technical solutions, economic and policy analyses, methodologies, and processes that work towards reducing aviation noise and emissions exposure through source reduction technologies, alternative fuels, operating procedures, compatible land use management, and policy implementation.

The Partnership for Air Transportation Noise and Emissions Reduction (PARTNER) is seeking submissions of Undergraduate and Graduate level student technical papers relating to the reduction of aircraft noise and emissions. Of particular interest are papers describing research in these areas:

- socio-economic effects of noise and emissions
- operational measures for noise and emissions reduction
- compatible land use management
- gaseous and particulate matter emissions and mitigation
- climate and air quality effects of aviation emissions
- alternative fuels
- aviation environmental policy
- aircraft and engine design for environment

Prize money may range from a maximum amount of \$5,000 for an excellent contribution to \$200 for honorable mention. The judges reserve the right to allot the prize money to best fit the quality of the submitted papers. The winners will also be provided with travel support to participate in an award ceremony at a location and date to be announced.

For detailed rules, please visit:
<http://partner.mit.edu/news-events>

The submission deadline is 31 December 2013. Papers are to be submitted to the PARTNER program office via email to hartmancomp@mit.edu. Individuals submitting papers should be sure their email submissions include the information required in the contest rules.

Papers will be judged by a panel of subject matter experts from academia, industry, government and non-governmental organizations in the aviation environmental community, associated with the PARTNER Center of Excellence. Winners will be notified February 2014.

For more information on the Joseph A. Hartman Student Paper Competition, email:
info@partner.aero