

Internoise 2012 Marriott Time Square, New York, August 19-22, 2012.

<http://www.internoise2012.com>

SPECIAL STUDENT PRESENTATIONS IN "OLD MEETS NEW" SESSION 18.01 Students Presenting Seminal Papers in Noise Control

At Internoise 2012, INCE-USA is sponsoring a special session of student presentations of seminal noise control papers. Students will pick one of the papers listed below. Awards will be given based on the presentation itself. A paper is not required but an abstract should be submitted. The application deadline is the same as the abstract submission deadline: 15 February 2012. The winner will receive \$1000 if she or he attends the Internoise 2012 Awards Ceremony, which will take place on Wednesday, 22 August, 2012.

OLD MEETS NEW SEMINAL PAPER PRESENTATION COMPETITION ENTRY FORM AND CONTEST RULES

Name(s) of contestant (presenter):

Address, email, and telephone number of contestant to which all correspondence should be directed:

Identifier and title of paper that you have chosen to present (must be chosen from list on page 2)

Title of abstract: FORMAT should be: Overview of <original author list>'s <year> paper on <original paper title>

Number assigned when you submitted the abstract: IN12_____

CERTIFICATIONS

I, the presenter of the overview of the work in the seminal noise control paper listed above, certify that I prepared the presentation myself. I am/I have submitted an application to be a student member of _____, an I-INCE Affiliated Organization. The organization email address is: _____.

I have read the rules of the competition and agree to abide by them.

(Signature and Date)

I, the faculty advisor to the above-named student(s), certify that the student prepared the presentation themselves and that I have only provided feedback to help him/her improve his/her presentation. I also certify that this student is a full time student at _____ University.

(Signature and Date)

CHECK-OFF LIST

Submitted electronically as part of regular submission procedures:

() Abstract Number Assigned Abstract: IN12_____

Material Emailed to Steve Sorenson (steve.sorenson@mmm.com) by February 15th, 2012.

() Competition Entry Form (this form)

() Copy of Abstract

INCE Business Office,

9100 Purdue Road, Suite 200, Indianapolis, Indiana, 46268. Phone: +1 (317) 735-4063;

Email: ibo@inceusa.org; Web: <http://www.inceusa.org>

OLD MEETS NEW SESSION --- PAPER LIST

You must select one of the following papers for your presentation. There may be multiple presentations of the same paper. Additional papers may be added to the list.

Sound Perception:

Fletcher and Munson, "Loudness, Its Definition, Measurement and Calculation," *J. Acoust. Soc. of Am.*, Vol. 5(2), pp. 81-108, 1933.

Aircraft Noise – Noise Criteria:

Beranek, L.L., "Airplane Quieting II - Specification of Acceptable Noise Levels," *Trans. Am. Soc. Mech. Eng.*, Vol. 69, pp. 97-100, 1947.

Building Noise:

Beranek, L. L., "Revised Criteria for Noise in Buildings," *Noise Control*, Vol. 3, pp. 19-27, 1957.

Active Noise Control:

Olson, H.F. and May, E.G., "Electronic Sound Absorber," *J. Acoust. Soc. Am.*, Vol. 25(6), pp. 1130-1136, 1953.

Room Acoustics:

Hunt, F.V., Beranek, L.L. and Maa, D.Y., "Analysis of Sound Decay in Rectangular Rooms," *J. Acoust. Soc. Am.* Vol. 11, pp. 80-94, 1939.

Passive Noise Control:

Maa, D.Y., "Microperforated-Panel Wideband Absorbers", *Noise Control Engineering Journal*, Vol. 29(3), pp. 77-84, 1984.

Modeling Techniques:

Lyon, R.H. and Maidanik, G., "Power Flow between Linearly Coupled Oscillators", *J. of the Acoust. Soc. of Am.*, Vol. 34, pp. 623-639, 1962.

Sound Propagation – Aircraft Noise:

Parkin, P.H. and Scholes, W.E., "Horizontal Propagation of Sound from a Jet Engine Close to the Ground at Hatfield," *J. Sound and Vib.*, Vol. 2(4), pp. 353-374, 1965.

Outdoor Sound Propagation:

Embleton, T.F.W., Piercy, J.E. and Olson N., "Outdoor Sound Propagation over Ground of Finite Impedance," *J. Acoust. Soc. Am.*, Vol. 59(2), pp. 267-277, 1976.

Acoustic Materials Modeling:

Biot, M.A., "Theory of propagation of elastic waves in a fluid-saturated porous solid 1. Low-frequency range," *J. Acoust. Soc. Am.* Vol. 28 (2), pp. 168-178, 1956.

Measurement of Acoustical Properties of Materials:

Sabine, P.E., "A Critical Study of the Precision of Measurement of Absorption Coefficients by Reverberation Methods," *J. Acoust. Soc. Am.* Vol. 3, pp. 139-154, 1931.

Sound Transmission:

Beranek, L.L. and Work, G.A., "Sound Transmission through Multiple Structures Containing Flexible Structures," *J. Acoust. Soc. Am.* Vol. 21(4), pp. 419-428, 1949.

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OLD MEETS NEW SEMINAL PAPER PRESENTATION COMPETITION RULES

PAPER OVERVIEW BEING PRESENTED. The paper being presented must be selected from the list provided in this entry form. Once the abstract has been submitted, the student must stick with a presentation of that paper, and not switch to another paper on the list.

AUTHORSHIP OF PRESENTATION. The presentation must be compiled by and presented by the student. The student must be **registered as student at a university or college at the time of the conference.**

CONNECTION WITH I-INCE. The student must be a student member of an I-INCE Affiliated organization.

PRESENTATION AND ABSTRACT TITLE: Format for the title of paper should be: "Overview of <original author list>'s <year> paper on <original paper title>"

ABSTRACT: This should highlight the main thrust of the original paper and the focus of the presentation, which could include additional work that has been done by the student presenter. Additional work could include reproduction of the results in the paper, additional analysis, or showing how the original paper has influenced subsequent research or noise control practice, etc.

DEADLINE. An abstract for the presentation must be submitted by **the conference abstract submission deadline 15 February, 2012.** If the student is not a student member of an I-INCE affiliated organization, student member application forms and payments, if any, must be received by the Affiliated **Internoise 2012 abstract deadline. A Competition Entry Form (page 1 of this document) is required for the presentation to be considered for the session and in the competition.**

JUDGES. All decisions of the I-INCE and INCE/USA judges are final. The Institute reserves the right not to make an award should presentations not satisfy minimum levels of expectations by the panel of judges.

JUDGING CRITERIA. Judges will evaluate the presentations by considering:

- i. The judges' perceptions of the student's understanding of the technical content of the paper.
- ii. The student's understanding of the impact of the research reported in the paper.
- iii. The quality of the communication of the technical content of the seminal paper.
- iv. The quality of the slides.
- v. The clarity and presentation style of the speaker

AWARDS CEREMONY. All contest entrants must present their papers in person in the session to which their papers are assigned. They must also be present in person at the awards ceremony of the conference (Wednesday morning of the Conference) in order to receive an award. Any awards will be announced at the awards ceremony.

CHECK-OFF LIST. To be complete, an entry in the Student Paper Prize Competition must include the following:

CHECK-OFF LIST

Submitted electronically as part of regular submission procedures:

() Abstract Number Assigned Abstract: IN12_____

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