

# NOISECON 2010 Short Courses

## **Course #1: INCE Fundamentals Exam Preparation and Optional Exam**

**Instructors:** James Barnes. Acentech. [jbarnes@acentech.com](mailto:jbarnes@acentech.com)  
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**Day:** 18 Sunday 2010  
**Time:** 9:00 am – 1:00 pm (course)  
2:00 pm – 4:00 pm (fundamentals exam)

**Location:** Baltimore Marriott Waterfront Hotel

**Cost:** \$100 INCE members. \$150 non-members (early registration before 19 March 2010)  
\$150 INCE members. \$200 non-members (after 19 March 2010)

**Description:** If you are considering taking the INCE fundamentals exam as one way to become a full member of INCE, this course is aimed at helping you understand and prepare for the exam. The exam is a two- hour, closed-book, multiple-choice examination with 75 questions drawn from the fundamentals of acoustics and noise control engineering. Qualitative questions with descriptive responses and quantitative questions requiring only simple calculations are included in the examination. The purpose of the examination is to evaluate an individual's background in the field of noise control engineering. In this preparation course you will learn about the nature of the exam questions and responses and the wide range of concepts and topics covered. A minimum of mathematics will be included.

If you feel comfortable with the material presented in the course, you may stay and take the actual fundamentals exam from 2:00 to 4:00 pm.

Jim Barnes is a senior engineer and directs the environmental, transportation, and industrial acoustics consulting services at Acentech. He has more than 30 years of consulting experience in industrial noise and vibration control. His consulting projects have included interior and community noise control studies for existing power and industrial plants, prediction of construction and operation noise levels, and ambient sound studies for proposed industrial sites and transportation corridors for environmental impact statements. In addition, many of his projects have included evaluation and resolution of potential vibration problems at proposed sites for microelectronics and optics facilities.

Eric Wood is a principal at Acentech where he directs and provides technical contributions to engineering and environmental projects related primarily to the measurement, evaluation, and control of noise and vibration during the design, construction, and operation of major energy systems and transportation and industrial facilities. During thirty-five years of consulting practice he has contributed to hundreds of technical reports and publications. He is vice president of membership for INCE-USA and a former member of their Board of Directors. He is treasurer of the INCE Foundation and a Fellow member of the Acoustical Society of America.