

Stewart Acoustical Consultants

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John C. Gagliardi

Education: BSME – 1980, MSME – 1982, PhD – 1987

Department of Mechanical Engineering, Marquette University, Milwaukee, Wisconsin
Specialized in Fluids, Solid Mechanics and Controls

Acoustics - 42 Graduate level semester hours in acoustics and vibrations following PhD, with 24 semester hours from Penn State University and the remainder from Purdue University, University of Minnesota and University of Michigan

Professional Memberships

1. Institute of Noise Control Engineers – 1993 to Present
2. Acoustical Society of America – 1995 to Present
4. North Carolina Chapter of the Acoustical Society of America, President - June 2009 through May 2011
5. American Society of Testing Materials – 2010 to Present
6. Audio Engineering Society – 2013 to 2017
3. Society of Automotive Engineers – 1995 to 2017

Standards Committees

1. SAE Acoustical Materials Committee – 1995 to 1998, 2014-2016
2. ANSI Sound Quality Committee - 1995 to 2002
3. ASTM Subcommittee E33.03 – 2005 to present. Task group member for development of ASTM E2611- Measurement of normal incidence transmission loss.
4. ASTM Subcommittee E33.05 – 2010 to 2011. Task group head for developing standard to calculate diffuse incidence sound absorption from impedance tube measurements.
5. ASTM Subcommittee E33.02 – 2010 to 2011. Secretary for subcommittee - open plan space acoustics.

Technical Papers Published

SAE Noise & Vibration Conference Proceedings (two)
Applied Acoustics Journal (one)
Noise-Con/Inter-Noise Conference Proceedings (five)
US Bureau of Mines Reports of Investigation (one)
US Bureau of Mines Information Circular (one)
Journal of Engineering Mathematics (one)
International Journal for Numerical methods in Fluids (one)

Professional Experience

Stewart Acoustical Consultants, Raleigh, NC – Senior Acoustical Consultant – August, 2016 to present
Technicon Acoustics, Concord, NC – Technical Director – March 2002 to July 2016
Orfield Laboratories, Minneapolis, MN – Acoustics Head – July 1998 to February 2002
Lear Corporation, Southfield, MI – Senior Acoustics Engineer – January 1995 to June 1998
United States Bureau of Mines, Minneapolis, MN – Mechanical Engineer – July 1987 to December 1994

Presentations and Special Events:

Session Chair for SAE Noise and Vibration Conference, Noise-Con, Inter-Noise and ASA meetings.
Lecturer for University of Minnesota architectural acoustics course
Lecturer for Lear Corporation Saab and Volvo divisions noise control short course, Trollhattan, Sweden
Presenter for Vibro-Acoustics Consortium meeting, four times
Presenter at multiple SAE Noise and Vibration National and International Conferences
Lecturer for joint Technicon Acoustics and PCB noise control course
Lecturer for Bruel & Kjaer sound quality short course, Naerum, Denmark