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TECHNICAL CALENDAR

September 9-11—Midwest Machine Tool Show. Novi Expo Center, Novi, MI. This show's features include an industry summit, a technical forum called "Machining Strategies for Lean Manufacturing Operations" and technology sessions sponsored by SME. Registration is free. Contact SME by telephone at (313) 271-1500 or on the Internet at www.sme.org.

September 10-11, September 15-16—2003 Gear Noise Courses. Gear Dynamics and Gear Noise Laboratory, Ohio State University, Columbus, OH. The earlier session is the basics course and the advanced course is held September 15-16. Both courses aim to provide a better understanding of the mechanisms of gear noise generation, methods by which gear noise is measured and techniques in gear noise and vibration reduction. \$2,100 for both courses, \$1,300 for the basic course only, \$900 for the advanced course only. Contact the university's department of mechanical engineering by telephone at (614) 292-5860 or on the Internet at www.gearlab.org.

September 15-16—UTS Metal Gear School. UTS facility, Rockford, IL. Topics include basic gear theory, minimum weight design strategies, gear size, geometry design, rating, producibility analysis, torsional analysis, gear noise, lubrication and profile analysis. \$1,250. Contact UTS by telephone at (800) 435-7887 or on the Internet at www.uts.com.

September 15-19—AGMA Training School for Gear Manufacturing. Richard J. Daley College, Chicago, IL. Offers classroom and hands-on training in gearing and nomenclature, principles of inspection, gear manufacturing methods, and hobbing and shaping. Designed for employees with six months' experience in setup or machine operator. \$650 for AGMA members, \$775 for non-members. Contact the AGMA by telephone at (703) 684-0211 or by e-mail at fentress@agma.org.

September 16-18—Accurate Diagnosis of Gear Problems. 49'er & Suites, Jackson Hole, WY. This course includes: How Each Cycle of Gearmesh Frequency is Generated; Gear Vibration Theory; Problems that Generate Harmonics of Gearmesh Frequency; Bent Shaft; Defective Teeth & Broken Gears, and more. \$1,195 includes *The Gear Analysis Handbook* by James I. Taylor. Contact Vibration Consultants Inc. by telephone at (813) 839-2826 or on the Internet at www.vibcons.com.

Also see our coverage of Gear Expo 2003, pages 19-32, for information on technical events to be held at the show. Gear Expo will be held October 5-8 in Columbus, OH.

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