TECHNICAL CALENDAR

September 8–14—Gear Noise Short Course. Department of Mechanical Engineering, Ohio State University, Columbus, OH. The basic short course, which takes place September 8–10, covers designing gears to minimize the major excitations of gear noise, like transmission error and dynamic friction forces. The advanced course takes place September 13–14 and is geared towards individuals who have previously attended the basic course. $1,300 for the basic course and $900 for the advanced, or buy them together for $2,100. For more information, contact the Department of Mechanical Engineering by telephone at (614) 292-5860 or by e-mail at *houser.4@osu.edu*.

September 8–15—IMTS. McCormick Place, Chicago, IL. Please see page 12 for *Gear Technology*'s coverage of this event. $50 for domestic visitors and free for international visitors. For more information, contact the Association for Manufacturing Technology on the Internet at *www.imtsonline.com.*

September 13–14—13th Annual Gear Failure Analysis Seminar. Big Sky Resort, Big Sky, MT. Attendees will examine macropitting, micropitting, scuffing, tooth wear and breakage and their possible causes. Handouts include *The Failure Analysis Textbook* and *Gear Failure Analysis Atlas* by Robert Errichello. $625 for AGMA members, $795 for non-members. For more information, contact the American Gear Manufacturers Association by telephone at (703) 684-0211 or by e-mail at *tech@agma.org.*

September 15–17—PC Applications in Parallel Axis Gear System Design and Analysis. 7th floor, School of Continuing Education, University of Wisconsin—Milwaukee, Milwaukee, WI. A new PC tool, PowerGear, is demonstrated to analyze the gear load capability evaluation from a theoretical viewpoint and to apply the concept. The seminar's main emphasis is on comprehending the design of gearing and the use of software as a tool. $1,195. For more information, contact the School of Continuing Education by telephone at (800) 222-3623 or on the Internet at *www.sce-eng.uwm.edu.*

September 17—2004 Inductoheat Customer Open House. Inductoheat facility, Madison Heights, MI. From 8 a.m.–5 p.m., customers are invited to tour the newly updated metallurgical facility and coil repair/machine capabilities. Demonstrations will be held on equipment processes for powertrain applications. Technical seminars will focus on new processes and developments in heat treating. Registration is free. For more information, contact Inductoheat by telephone at (800) 624-6297.

TECHNICAL CALENDAR

September 21–24—Metal Gear Design & Manufacturing. UTS facility, Rockford, IL. Curriculum includes basic gear geometry, design and manufacturing, manufacturing issues and their effect on gear design. Advanced topics include minimum weight design strategies, gear size, geometry design, rating, producibility analysis, torsional analysis, gear noise and lubrication. This course will be repeated February 8–11. $1,250. For more information, contact UTS by telephone at (800) 435-7887 or on the Internet at *www.uts.com.*

October 18–21—Basic Gear Fundamentals Course. Gleason Corp. Loves Park, IL. Individuals participate in small training groups that cover gear types and ratios, involute gear geometry, gear tooth systems, general formulae and mathematics, forming/generating and hobbing/shaping of gears, tool vs. gear tolerance, gear inspection and other related topics. $895. To register, contact Gleason Corp. on the Internet at *www.gleason.com.*

October 20–22—Bevel Gear Systems. 7th floor, School of Continuing Education, University of Wisconsin—Milwaukee, Milwaukee, WI. Aimed at the gear user, designer and beginning to intermediate gear technologist, this course emphasizes the quality control, application, assembly and installation of bevel gear systems. Manufacturing and inspection are covered more briefly. $1,195. For more information, contact the School of Continuing Education by telephone at (800) 222-3623 or on the Internet at *www.sce-eng.uwm.edu.*

October 26–29—Plastic Gear Design & Manufacturing. UTS facility, Rockford, IL. Basic and advanced topics are covered, from the fundamentals to profile analysis, tool design and tooling selection. Attendees will take a field trip to Forest City Gear and can opt for a day-long session on TK Solver or one-on-one time with an instructor to solve specific gear problems. $1,250 for the basic course and $295 extra for TK Solver training. This course will be repeated March 15–18. For more information, contact UTS by telephone at (800) 435-7887 or on the Internet at *www.uts.com.*

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