

July 27-29—Powder Metallurgy Basic Short Course. Penn State Conference Center Hotel, State College, PA. This three-day course is designed for users of PM parts and people starting out in the PM field looking for an introduction, looking to learn about recent developments in the industry or trying to broaden a PM background. Attendees will learn the history of PM, why it is viable, why use is so widespread, design points, production, injection molding, standards and the latest technologies. It is not required that attendees have a technical background. It is designed specifically for engineers, tool designers, product designers, metallurgists, technicians, QC personnel and more. For more information, visit http://www.mpij.org/meetings/2009/2009_basic_sc.pdf or call the MPIF at (609) 452-7700.

August 4-7—Center for Automotive Research Management Briefing Seminars. Grand Traverse Resort and Spa, Traverse City, MI. Leaders in the automotive and related industries convene in Traverse City every August to outline their future goals at the Center for Automotive Research (CAR) Management Briefing Seminars. This year, CAR anticipates a greater focus on the relationships between all stakeholders, including the federal government. Initial conference planning by the CAR team of researchers and conference managers is closely attuned to the industry and the economy as a whole. The realities of today dictate leaner budgets and staffing, and the 2009 program has been consolidated into a four-day event to reflect this. For more information, visit www.cargroup.org.

September 7-9—Gear Manufacturing Troubleshooting Course. Anaheim, CA. This training school for gear manufacturing is a basic course offered by the Gear Consulting Group in regional versions throughout the year to reduce the time employees spend out of the office while training. Another session this year will take place in Ontario, Canada, date to be announced.

Instructors Geoff Ashcroft and Ron Green teach participants both theory and practical aspects of gear manufacturing while imparting knowledge of everyday problems and understanding how to think through troubleshooting. Tuition is \$750 and includes a reference manual and certificate of completion from AGMA. For more information, call (269) 623-4993, or email gearconsulting@aol.com.

September 15-17—Gear Expo. Indianapolis, IN. For the first time since 1995, the gear industry's premier trade event returns to Indianapolis featuring five pavilions on the show floor: aerospace, breakdown, energy, powder metal/plastics and tooling. AGMA anticipates more than 175 exhibitors and 3,000 attendees from 43 states and 36 countries. This year's Gear Expo is co-located with the Heat Treating Society's Conference and Exposition, which is expected to add another 3,000 attendees and 180 exhibitors. For more information, go to www.gearexpo.com or visit our *Gear Technology* Gear Expo Showroom at www.geartechnology.com/gearexpo.

September 28-30—Gear Failure Analysis Seminar. Big Sky Resort, Big Sky, MT. AGMA's Technical Academy and Robert Errichello of GEARTECH present students with complete knowledge of gear failure, what to watch out for and how to resolve problems. The seminar was expanded this year to two full days of discussion plus a half-day workshop for students to investigate and solve real gear failure scenarios. Errichello uses lectures, slide presentations, hands-on workshops with failed gears and Q&A sessions. The course is suitable for gear engineers, users, researchers, maintenance technicians and lubricant experts or managers. Cost is \$895 for AGMA members, \$995 for nonmembers. Register online at www.agma.org until August 28.

September 29-October 1—Aero and Defense Test 09/ITEA Annual Symposium. Baltimore Convention Center, Baltimore, MD. This annual event for aerospace and defense R&D, test and evaluation and operational test and evaluation features a trade show with around 150 exhibitors providing testing, inspection and evaluation software and products. The expo is complemented by a series of technical, business and educational programs that includes the International Test and Evaluation Association's (ITEA) annual symposium, the Society of Manufacturing Engineers' aerospace quality manufacturing conference, the Aerofuel Alternative Fuel and Fuel Cells Symposium and the Global Aircraft Recycling Symposium. For more information, visit www.aerodefensetest.com.

September 30-October 2—Fundamentals of Gear Design. UWM School of Continuing Education, Milwaukee, WI. This beginning knowledge course is presented by Raymond Drago and the University of Wisconsin School of Continuing Education. It presents a basic knowledge of modern gear system design and analysis with emphasis on proper selection, design application and use, as opposed to fabrication. Topics include a short history, basic gear nomenclature, types of gears, gear arrangements, theory of gear tooth action and failure modes and prevention. Cost is \$1,095. For more information, contact Murali Vedula, program director, (414) 227-3121 or mvedula@uwm.edu.