

## TECHNICAL CALENDAR

**May 11–13—ABAR-U.** Ipsen International Inc., Rockford, IL. Attendees learn the fundamentals of heat treating, pumping systems and pumps and step-by-step procedures for operating vacuum furnace equipment. For more information, contact Ipsen International by telephone at (815) 332-4941 or by e-mail at [DLN@abaripsen.com](mailto:DLN@abaripsen.com).

**May 11–13—Grinding Principles & Practice.** TechSolve facility, Cincinnati, OH. Topics include principles and types of grinding, control and predictability of grinding operations, grinding wheels, grinding relationships and engineering, part cooling, surface vibration and more. \$895. For more information, contact TechSolve on the Internet at [www.TechSolve.org](http://www.TechSolve.org).

**June 7–9—AGMA Gear Manufacturing Technology Course.** Star-SU facility, Hoffman Estates, IL. Aimed at all levels of gear manufacturing personnel from operators to engineers, this class is focused on troubleshooting the manufacturing process from basic principles. Later this year, this course will also be held in California and North Carolina. \$750. For more information, contact Gear Consulting Group by telephone at (269) 623-4993 or by e-mail at [gearconsulting@aol.com](mailto:gearconsulting@aol.com).

**June 8–9—Theory of Geometry and Strength Calculations for Gears: Gear Design Determination and Optimization.** KISSsoft facility, Zurich, Switzerland. This seminar explains the basis for strength calculations according to ISO 6336 and gives participants the opportunity to implement the knowledge on PCs. Topics covered include geometry of gears, manufacturing tolerances, non-involute tooth forms, strength calculation for gears and for non-involute forms. Seminars will be held in English and in conjunction with an overview of *KISSsoft* and shaft/bearing calculation software on June 7 and *KISSsys: Modeling of a System of Machine Elements* on June 10. €400. For more information, contact KISSsoft by e-mail at [info@kisssoft.ch](mailto:info@kisssoft.ch).

**June 8–10—Centerless Grinding Principles.** TechSolve facility, Cincinnati, OH. A companion course to the company's Grinding Principles & Practice, this seminar covers roundness generation, chatter and vibration, thermal considerations and process design. \$895. For more information, contact TechSolve on the Internet at [www.TechSolve.org](http://www.TechSolve.org).

**June 21–25—Basic Gear Fundamentals Course.** Gleason Corp., Loves Park, IL. This program is designed for individuals seeking a basic understanding of gear nomenclature, geometry, manufacturing and inspection. \$895 includes handbook, materials, a group dinner and lunches. For more information, contact Gleason Corp. on the Internet at [www.gleason.com](http://www.gleason.com).

Tell Us What You Think . . .

Send e-mail to [wrs@geartechnology.com](mailto:wrs@geartechnology.com) to

- Rate this column
- Request more information
- Contact the organizations mentioned
- Make a suggestion

Or call (847) 437-6604 to talk to one of our editors!



**mG**  
miniGears  
North America

**mG miniGears**  
Global Solutions from a Truly Global Company

The only company of its kind with a truly global manufacturing presence in all three areas of its customer's production: Europe, United States, Far East.

miniGears is the first name worldwide in providing small and mid-size precision transmission components in high volumes produced with consistently exceptional quality, both by traditional steel machining and highly innovative powder metallurgical PM processes.

A team of highly motivated and qualified individuals, recognized for their competence, accountability, innovation capability and responsiveness to customers' needs, have established miniGears as the reliable partner in gear calculation, engineering design and development, testing and production of gears and complete kinematic mechanisms.

**ISO/TS 16949:2002 certified**

**mG miniGears** North America  
2505 International Parkway  
Virginia Beach, VA 23452 U.S.A.  
ph.: (757) 233-7000  
fax: (757) 627-0944  
e-mail: [mg\\_usa@minigears.com](mailto:mg_usa@minigears.com)  
internet: [www.minigears.com](http://www.minigears.com)