

June 5–6–KISSsoft Special Training: Precision Mechanics Bubikon, Switzerland. The specific differences compared to gears in steel and their calculation methods will be explained and several exercises will be carried out to see the problems and the possible solutions in practical cases. An overview of the material properties with advantages and limitations as well as the measuring techniques will be explained. The choice of the material and the calculation of the tooth form specialties will be treated. The basic issues involved in the theory of worm wheels and crossed helical gears are summarized. The differences between worm wheels with and without globoid form are illustrated. For more information, visit www.kisssoft.ag.

June 5–7–Ipsen U 2018 Cherry Valley, Illinois. Throughout the course, attendees are able to learn about an extensive range of topics - from an introduction to vacuum and atmosphere furnaces to heat treating, furnace controls, subsystems, maintenance and more. They will also be able to view the different furnace components firsthand while learning how they affect other parts of the furnace and/or specific processes, take part in one-on-one discussions with Ipsen experts, participate in a leak detection demonstration, and tour Ipsen's facility. A forum where all levels of experience are welcome, Ipsen U instructors believe in using the participants' specific questions and interests to shape the hands-on class. Past attendees have appreciated the instructors' "incredible amount of knowledge, hints, tips and real-world advice." The Ipsen U classroom features comfortable seating for up to 36 attendees, as well as integrated technology with a large smartboard and two additional monitors for interactive presentations and demonstrations. For more information, visit www.ipsenusa.com.

June 6–7–EMAG Technology Days 2018 Farmington Hills, Michigan. The EMAG event will include a variety of machine tools under power for live demonstrations, plus a series of technical and market presentations by industry experts from the company. Topics will cover all the machining and joining technologies EMAG currently brings to the market, including vertical milling, ECM, laser and induction hardening. The keynote presentations will be a discussion of innovative propulsion systems on June 6 and E-mobility trends and their impact on the traditional manufacturing landscape in the automotive supply chain on June 7. The event will be led by CEO of EMAG L.L.C. for North America, Peter Loetzner. Other featured speakers will be Michael Robinet from HIS Markit and Brett Smith from the Center for Automotive Research. For more information, visit techdays.emag.com.

June 12–15–HxGN Live 2018 Las Vegas, Nevada. HxGN LIVE is for manufacturers seeking to learn more about process automation, closed-loop manufacturing, and connecting CAE, CAD, CAM and metrology technology via the digital thread. The conference stages more than 120,000 sq. ft. of Hexagon technologies, nearly 500 sessions and 60+ exhibiting sponsors. The Zone technology expo features the digital thread at work as a common communication framework with feedback loops that embed continuous improvement into the product lifecycle. HxGN SMART Quality, Hexagon's online quality data and measurement resource management platform, is one of the prime tech highlights in The Zone. The innovative solution delivers information automation to quality management, so manufacturers and quality control professionals can shape smarter workflows and actively improve efficiency and productivity. For more information, visit hexagonMI.com.

June 17–20–PowderMet 2018 San Antonio, Texas. PowderMet2018 is the International Conference on Powder Metallurgy & Particulate Materials. The conference will feature over 200 worldwide PM industry experts presenting on PM, particulate materials, and metal additive manufacturing. The event includes extended exhibit hall hours, student poster sessions, evening networking events and the return of the co-located program AMPM2018, featuring worldwide industry experts presenting on the latest developments in the fast-growing field of metal additive manufacturing. AMPM2018 also hosts a 100+ exhibitor trade show in conjunction with PowderMet2018. "Metal AM is a natural fit for MPIF as we have supported the PM industry for nearly 75 years. We're excited to offer an expanded AMPM conference that allows for more time for the transfer of technology, and to expose the metal AM sector to the greater PM industry through access to both AMPM and PowderMet conferences," said James P. Adams, executive director/CEO of the MPIF. For more information, visit AMPM2018.org and PowderMet2018.org.

June 27–28–Dritev 2018 Bonn, Germany. Increased CO2 discussions, sustainable mobility and electrified drives: The automotive transmission world is changing. Why the understanding of the transmission changes, how it is to be understood as part of the overall powertrain and why cross-component know-how becomes more and more important are the subjects of the Dritev in Bonn. Attendees can expect more than 1,500 developers, around 100 international exhibitors and 80 specialist lectures on one of the world's largest networking platforms for powertrain and transmission development. Thus, Dritev seamlessly connects to the long-standing tradition of the VDI Congress "Drivetrain for Vehicles." At the heart of the event is its selected technical program, which reflects the current challenges and developments in the transmission world. The program includes subjects such as the transmission topology for electrified powertrains and current concepts for automatic transmissions and e-axes. In these, the individual components motor, axle and gear are integrated in one element. For more information, visit www.dritev.com.

July 23–27–2018 Coordinate Metrology Society Conference Reno, Nevada. Designed to empower a rapidly evolving profession, the CMSC attracts metrology practitioners, quality control managers, manufacturing executives, scientists, students and educators. Attendees will find enriching, informative opportunities to learn about technology achievements, network with high-level master users, and get an overall picture of the state of the metrology industry. The conference is renowned for its original, expert-level technical papers and presentations covering the successful use of measurement and inspection technologies, industry best practices, new applications and innovations emerging in the field. The CMS Executive Board peer reviews all technical papers and publishes top selections in its prestigious, high-impact Journal of the CMSC. For more information, visit www.cmsc.org.