

Tri-State Tooling & Manufacturing Association

Serving Southwestern Ohio, Northern Kentucky & Southwestern Indiana

FOUNDED IN 1947



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DID YOU KNOW?

For every \$1.00 spent in manufacturing, another \$1.40 is added to the economy. That is the highest multiplier effect of any economic sector.

January Meeting Recap

Introducing NTMA-U

NTMA-U is an innovative new program of online education that bridges the gap between traditional degree programs and skills-based certification curricula. Through agreements with participating colleges, students can take courses online and earn credits toward an associate degree, as well as gain the knowledge to complete their NIMS written exam while building valuable industry-specific knowledge.

The program began in fall 2011 in “beta” form, with a limited number of students enrolled, and is expanding rapidly. Students of NTMA-U include current employees of NTMA members, prospective employees and students participating in the National Robotics League seeking to build upon that formative experience.

The curriculum is customized and tailored to the needs of NTMA members, with textbooks and online training guidelines that have been developed by the association members specifically for this program. Best practices and case studies from AMPED will form part of the curriculum as well.

Learn more about NTMA-U online at www.ntma.org/initiatives/education

Meet Our New Executive Director, Jon Kozesky



Jon is the President of Jon Thomas Consulting with experience in organization management and government affairs, focusing on nonprofits and small businesses.

Jon has lobbied in Columbus and Washington, D.C. for a range of industries including biotechnology, alternative energy, aerospace, and most recently for the continuation of the research & development tax credit across manufacturing.

Jon will be available to meet with each member of the chapter to learn what

you enjoy about TTMA, what you envision for the future of TTMA, and how best you can be served by TTMA.

Looking Ahead: February Meeting

**Bill Padnos, Director of Youth Engagement, NTMA
National Robotics League**

The NTMA's National Robotics League (NRL) program attracts smart, capable students who love to build things and solve problems. Exactly the type of people who we hope will make up the next generation of manufacturing leaders. Bill Padnos, NTMA Director of Youth Engagement will answer all of our questions about our chapter's involvement in the NRL, including:

- What is NRL?
- Is NRL just "demolition" robotics? (No! It's workforce development.)
- How are companies just like yours capitalizing on NRL's energy and opportunities - and training AND recruiting employees right now?
- What are participating companies and students saying about NRL?
- How can we make this happen in Cincinnati?

Our education system is failing to keep pace with our economy. Manufacturing companies are struggling to find skilled workers who can contribute to their growth. The most effective strategy to ensure your company's workforce is to control your own labor supply for the future because you control the greatest currency in the marketplace - jobs.

The NRL is a manufacturing workforce development program of the NTMA where students design remote controlled robots to face-off in a gladiator-style competition. The NRL attracts smart, capable students who love to build things, solve problems and win. In other words, the next generation of manufacturing leaders. The kind of students you want in your company.

January Spotlight Member – Tomak Precision

Al Schaeper who bought Tomak Precision in December of 1985, celebrated his 30th year of ownership in 2015. When Al bought the business, sales were under 1 million dollars and today are over 8 million dollars. In that time, Tomak has moved from its original location at 535 North Broadway in downtown Lebanon to its current location 2600 Henkle drive Lebanon Ohio into a 35,000 square foot facility.

WANT TO SEE YOUR COMPANY IN THE SPOTLIGHT?
Please send us your news, stories, or updates, and be featured in an upcoming newsletter!

News from NTMA

Register today for the February NTMA Sales & Marketing Workshop February 10, 2016 | 8:00am – 4:30pm | Dallas, TX

Registration is now open for the February 10th Sales and Marketing Workshop in Dallas, Texas. Connect with NTMA Sales and Marketing professionals and industry experts to learn how to boost your business and increase leads.

Sessions include: best practices presentation, buyer panel with industry experts, sales workshop to drill down into each attendees' sales techniques and processes

You won't want to miss this opportunity! [REGISTER TODAY](#)

New year, new prices: NTMA 2016 Technical Seminars

Gather and network with members from across the country during the 2016 NTMA Technical Seminars. Take advantage of new pricing for our Financial Manager Roundtables, Human Resources Roundtables, Plant Managers Roundtables, Workforce Development Roundtable, and Sales & Marketing Workshops.

Upcoming events include: Sales & Marketing Workshop (Dallas), Financial Managers Roundtable (Atlanta), 2016 Chapter Leadership Summit (Pal Springs), The MFG Meeting (Palm Desert, CA) [SEE 2016 SCHEDULE OF EVENTS](#)

Grainger agreement offers premium metalworking brands at a 25% discount

NTMA has partnered with Grainger to drill down on exclusive NTMA savings that identify the key areas targeted on members' needs.

In addition to 10 percent off and pre-paid freight on all products, we've added product category discounts on the items you use most! [READ MORE](#)

SAVE THE DATE! TTMA 2016 Golf Outing

**June 15, 2016 - Walden Ponds Golf Club
6090 Golf Club Ln, Hamilton, OH 45011**

Advanced Manufacturing Grant Opportunities

Contact Jon Kozesky at jkozesky@ntma.org for more information about the following funding opportunities.

Design of Engineering Material Systems (DEMS)

Due February 16, 2016

The Design of Engineering Material Systems (DEMS) program supports fundamental research intended to lead to new paradigms of design, development, and insertion of advanced engineering material systems. Fundamental research that develops and creatively integrates theory, processing/manufacturing, data/informatics, experimental, and/or computational approaches with rigorous engineering design principles,

approaches, and tools to enable the accelerated design and development of materials is welcome.

Proposals that focus on modeling, simulation, and prediction of material performance (even when research is coupled with experiments for validation or guidance) without an intellectual emphasis on design are not appropriate for this program and should be submitted to other disciplinary programs.

For more information, and to download grant instructions and packet, please visit <http://1.usa.gov/1lkJRn5>

Manufacturing Machines & Equipment

Due February 16th, 2016

The MME program supports fundamental research that enables the development of new and/or improved manufacturing machines and equipment, and optimization of their use, with a particular focus on equipment appropriate for the manufacture of mechanical and electromechanical devices, products, and systems featuring scales from microns to meters (Please note: proposals relating to nanomanufacturing, and those relating to the manufacture of electronic devices such as IC products should be submitted through a separate NSF grant program.)

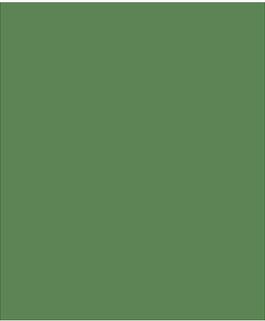
Proposals relating to a wide range of manufacturing operations are encouraged, including both subtractive and additive processes, forming, bonding/joining, and laser processing. Of particular interest are proposals that relate to the manufacture of equipment and facilities that enable the production of energy products. Competitive projects will propose hypothesis-driven research that advances the frontiers of knowledge in relevant areas. Proposals submitted to the MME program should include a clearly articulated research (not developmental) objective and a coherent plan to accomplish the stated objective. Both experimental and theoretical work are supported. All proposals must include a statement outlining the societal benefits of the proposed activities, including the research, in a separate section labeled "Broader Impacts of the Proposed Work".

For more information, and to download grant instructions and packet, please visit <http://1.usa.gov/1ZEJYNs>

Materials Engineering & Processing

Due February 16th, 2016

The Materials Engineering and Processing (MEP) program supports fundamental research addressing the processing and mechanical performance of engineering materials by investigating the interrelationship of materials processing, structure, properties and/or life-cycle performance for targeted applications. Materials processing proposals should focus on manufacturing processes that convert material into useful form as either intermediate or final composition. These include processes such as extrusion, molding, casting, deposition, sintering and printing. Proposed research should



include the consideration of cost, performance, and feasibility of scale-up, as appropriate. Novel processes for the production of nanoscale materials (nanotubes, nanocrystals, etc.) are of interest. Process optimization studies without a fundamental scientific contribution are not supported.

For more information, and to download grant instructions and packet, please visit <http://1.usa.gov/1Ru8xYs>

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