Regional Partnerships Benefit All of Us

Eric Wagner
Program Manager, Manufacturing Extension Partnership Program at Ohio State's Center for Design and Manufacturing Excellence

As we expand the Manufacturing Extension Partnership (MEP) into the Southeastern region of Ohio, we rely very heavily upon our local partners in the region to identify and help overcome the growth challenges for manufacturing companies. Collaboration is a critical function in successful execution of the MEP program. CDME has developed an amazing set of initial support partners for the region which include the likes of Zane State College, Shawnee State University, Ohio University, Kraton, Gulfport Energy Corporation, amazing regional economic development partners, and numerous others. We are getting out in the new year to meet and work with these partners to spread the awareness of the MEP program and the support it offers manufacturing companies. We are excited to work with our existing partners to roll out the program throughout the region. The network is stronger when there are a larger number of partners and we welcome new partners to participate in supporting the growth of our manufacturers. Please contact us if you are a chamber, EDA, service provider, or other entity that actively seeks to support the manufacturing community in Ohio or feel free to forward our newsletter to someone you know. Thanks and happy holidays to all!

CDME MEP Coverage

The Ohio State University's Center for Design and Manufacturing Excellence is now serving these counties in Ohio.

How can we help you?

Contact us today.

cdme.@osu.edu | 614-292-2888

GhostWave Inc. Selected as One of Top Automotive Startup Finalists

GhostWave Inc., a customer of Ohio State's CDME, was recognized as one of the top three finalists in the best automotive startups competition at the AutoMobility LA trade show in November. CDME is building the proof of concept for GhostWave's Advanced Driver Assistance Systems radar unit and will be conducting the product testing. To learn how CDME can help you develop and test your product, contact us today. cdme.@osu.edu

Annual Manufacturer's Survey open until January 10
GhostWave Inc., a startup radar technology company located in Columbus, Ohio, was one of three automotive startups to make the final cut. Innoviz Technologies and WayRay were the other two finalists vying for champion rights at the 2017 Top Ten Automotive Startups Competition. The top ten finalists were presented by Magna International, Inc. and were recognized at AutoMobility LA, where the grand prize winner was announced. WayRay took top honors, but GhostWave and Innoviz Technologies were awarded significant packages, respectively. Read more about the finalists, their products and the prizes in the original article below.

Selected from a pool of nearly 300 applicants, GhostWave, Innoviz Technologies and WayRay were recognized as standout startups for their innovative and unique approaches to solving current and future mobility challenges. This year’s top three startups all utilize cutting-edge technology to improve the way people get from point A to point B.

GhostWave’s mission is to revolutionize radar technology by providing Advanced Driver Assistance Systems (ADAS) with two strategic technologies:

- Immunity from mutual interference
- Collision Avoidance

Continue reading here for the full article (“Top Three Companies Focus,” 2017).

To support your company in its growth and success, the Ohio manufacturing Extension Partnership (MEP) program and our partners throughout Ohio are asking you to spend 15 minutes taking the annual manufacturer’s survey. Your response will help to shape policy, consulting offerings, and much more – so make your voice heard!

Why take the survey?

- At the end, you’ll be able to pick any one of ten different business books – and we’ll send it to you for free!
- Taking this survey is a chance to make a real impact in how the Ohio MEP and its key stakeholders in manufacturing make decisions for the future.
- You will get real results on how your company stacks up against other manufacturers in critical areas like workforce, operations, growth, and more.

Most of all, this is a chance to make your voice heard on issues that matter to your business. The survey, which consists of 40 questions, will take you only 15 minutes to complete.

Take survey now https://form.jotform.com/73114187036149

The final results will be shared, and you’ll receive an email as soon as the results are collated. The more responses we get, the better able we’ll be to provide the “right” services to manufacturers like you.

EmpowerBus Building Road to Stability through Workforce Transportation

Article from The Metropreneur

Aslyne Rodriguez and Jerry Tsai asked economic development professionals from counties around the region one simple question, “What are the top three pain points manufacturing and distribution
Dr. Edward D. Herderick is a recognized leader in the commercialization of manufacturing technologies. He currently serves as the Director of Additive at The Ohio State University Center for Design and Manufacturing Excellence. He previously was the Global Sales Leader for GE Inspection Technologies and also served as the Additive Technologies Leader for GE Corporate Supply Chain and Operations. Earlier, he was Director of R&D at additive startup rp+m and was Director of the Additive Manufacturing Consortium operated by the Edison Welding Institute. The guiding thread in his career has been industrialization and implementation of complex materials intensive manufacturing methods including additive manufacturing, coatings, joining, and inspection techniques.

A materials scientist by training, he received his PhD in MSE from The Ohio State University. Dr. Herderick currently serves as the Industrial Editor for the Journal of the Minerals, Metals, and Materials Society, a TMS Foundation Board Trustee, and has testified before the US House of Representatives on the impact of additive manufacturing of metals. CDME welcomes Dr. Herderick to the team and invites you to reach out to him for your additive manufacturing inquiries.

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Experiential Learning

CDME’s Experiential Entrepreneurship Education Program was recently highlighted in an article published by The Ohio State University College of Engineering, in which student research assistants were able to provide their feedback and experiences within the program.

Of the students mentioned, Phillip Merz (pictured above) went into the greatest detail describing his involvement with CDME and about his current project to “reduce the cost of metal 3-D printing and centers are facing?”

“Across the board they kept saying the same thing,” Rodriguez says. The major issues that came to light? Finding a dependable workforce, transportation and childcare.

It was validation that the pair’s startup, EmpowerBus, is tackling the right problem, directly addressing two out of three on the list.

How is EmpowerBus addressing these major issues? Continue here to read more.


7 Types of Advertising That Don’t Cost an Arm and a Leg

By Anita Campbell, Guest Blogger with smallbiztrends

Advertising can be a powerful way to deal with marketing challenges such as low brand awareness, a declining customer base or heavy competition. Or perhaps you simply have a desire to drive more foot traffic to your business and think advertising can help.

Most of us couldn’t afford a 30-second national TV ad during a big championship game. Luckily, there are many more affordable and cost effective techniques available if you choose wisely. Here are 7 types of advertising that needn’t cost a lot, and can fit within a small business budget:

- Social Media Ads
- Classified Ads
- Event and Charity Sponsorships
- Sign Spinners
- Every Door Direct Mail
- Local TV Ads
- Local Deal Vouchers

Continue reading here to learn more in depth about these seven types of advertising

create an alternative to what's already on the market.” Other students mentioned within the article include industrial design major Vladi Kotov and accounting major Maddie Longer who gave similar testimonials in regards to the value of the program’s real-world setting.

Click here to read the full story and learn more about how the E3 Program has been beneficial to the students involved.

### Upcoming Events

**Lean Manufacturing for Small Business Workshop**
Tuesday, January 9   8:30 AM - 4:30 PM  
Dublin Community Rec Center  
Register Here

**Minority Business Enterprise (MBE) and Encouraging Diversity, Growth and Equity (EDGE) Certifications Class (not a lecture)**
Tuesday, January 16   6:00 PM - 8:00 PM  
Register Here

**Export Compliance & Best Practices**
Thursday, January 18th   11:00 AM - 1:30 PM  
Chillicothe Ross Chamber of Commerce  
Register Here

**2018 Cybersecurity Event**
Tuesday, January 23   7:30 AM - 12:00 PM  
Schneider Downs - Columbus  
Register Here

**Marketing on a Shoestring Budget:**
**Real Lessons from the Field**
Tuesday, January 30   5:00 PM - 7:00 PM  
$15 - $30  
Educational Service Center of Central Ohio - Columbus  
Register Here

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