MX.0 Midwest

September 25, 2024 • Cleveland, OH

Manufacturing X.0: Advancing Every Stage of Your Digital Transformation Journey

Having delivered content and manufacturer-led events to manufacturers in the Southeast since 2022, we're excited to bring the MX.0 program to Cleveland, OH, to **equip Midwestern manufacturers with the necessary lessons and network to move from Industry 3.0 to 4.0 and beyond**.

The M(anufacturing) X.0 agenda delivers **practical, tried, and tested, examples of tech-led innovation**, helping **manufacturers of different sizes, at different points in their digital transformation** journey. The event is **'manufacturer-led'**, with case studies, and 'dos and don'ts', shared by **manufacturer speakers on stage**, a select group of renowned industry bodies and influencers, and only a handful of their solution partners.

Attendees leave with the insights, resources and network required to achieve a **more productive and efficient manufacturing business**, after hearing case studies and discussions focused on empowering people and leading change, advancing automation, data management processes, and leveraging technologies including AI, Robotics, Mixed Reality, Cloud Computing, Digital Twins, and more.

Conference Venue: Crowne Plaza Cleveland at Playhouse Square, Cleveland, OH

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Not for public distribution. Contact Lucy Ashton to discuss speaking opportunities. E: lucy.ashton@mx0events.com

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2024 STRATEGIC PARTNERS

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smart MANUFACTURING CLUSTER OF NORTHEAST OHIO

2024 EVENT ADVISORY BOARD

- **Peggy Gulick,** VP of Advanced Manufacturing & Continuous Improvement, Energy, **Kohler**
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- **Jeff Winter**, Director, Smart Manufacturing, **International Society of Automation**

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CONFIRMED SPEAKERS

- **Craig Sutton**, Vice President Industry 4.0, **Eaton** (OH)
- **Peggy Gulick**, VP of Advanced Manufacturing and Continuous Improvement, Energy, **Kohler** (IA)
- **Brian Perlstein**, Digital Manufacturing Innovation Leader, **Owens Corning** (OH)
- **Brian Marsh**, Senior Director, Digital Manufacturing, **Nestlé USA** (OH)
- **Anthony Huffman**, Enterprise Architecture Strategist, Industry 4.0, **Koch Industries** (IL)
- **Susan Carlock**, Executive Vice President, **Mursix Corporation** (IN)
- **Brad Bishop**, Smart Connected Factory Program Lead, **John Deere** (IA)
- **Justin Gold**, Manufacturing Data Platform Product Owner, **John Deere** (IA)
- **Mike Yost,** Director, Manufacturing Excellence Program, **Manufacturing Works |** Chair, **Industry 4.0 Club** (OH)
- **John Dyck**, CEO, **CESMII** (OH)
- **Larry Megan,** Head of Digital, **Baldwin Richardson Foods** (NY)
- **Terri Sandu**, Director, Talent & Business Innovation, **Lorain County Community College** | Director, **Ohio TechNet** (OH)
- **Jolly Ehiabhi**, Staff Manufacturing Engineer, **Otis Elevator** (SC)
- **Nathan Settlemire**, Director of Digital Transformation, **Charter Manufacturing** (OH)
- **John Whited**, Plant Automation Engineer, **Colgate-Palmolive Company** (OH)
- **Ashutosh Nadgauda**, Director of Global PD&L Quality & North America Quality, **Steelcase** (MI)
- **Sarah Morgan**, Director, Digital Supply Chain, **Kellanova North America** (MI)
- **Sophia Long**, Manager, Industry & Innovation, **Team NEO** (OH)
- **Kurt Schron**, CFO, **Jergens Inc.** (OH)
- **Ben Davis**, EVP/CIO, **Cambria** (MN)
- **Matthew Miller**, Head of Global Operations Technology, **Sun Chemical** (OH)
- **Jeff Winter**, Smart Manufacturing Advisor, **CESMII**
- **Dhananjay Gadgil**, Vice President, Manufacturing Operations, Americas, **Rockwell Automation** (OH)
- **Tim Knezevich**, Innovation Lead, **Keystone Threaded Products** (OH)

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AI IN MANUFACTURING PRE-EVENT WORKSHOP

Hosted by **Jeff Winter**, Smart Manufacturing Advisor, **CESMII**

TUESDAY, SEPTEMBER 24, 2024 | 12:45 – 4:30 PM
CROWN PLAZA CLEVELAND AT PLAYHOUSE SQUARE

Limited to the **first 50 registered manufacturers**, this is an exclusive opportunity to learn with and from peers how to move forward with AI and use it to speed up processes and drive innovation.

Why Attend?

- **Actionable Insights**: Walk away with practical strategies to enhance your AI initiatives
- **Collaborative Learning**: Benefit from the collective knowledge and experiences of your peers
- **Networking Opportunities**: Connect with industry professionals and establish valuable connections
-

AI IN MANUFACTURING WORKSHOP SCHEDULE

Pre-Event	**Unique Homework Component** Before the workshop, you'll receive a set of homework questions designed to take 10-20 minutes. The real value comes from hearing the answers to these same questions from your industry peers during the workshop.
12:45 PM	**Registration**

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1:00 PM	**State of AI in Manufacturing Presentation** Kick off the workshop with an insightful presentation on the state of AI in manufacturing. Gain a comprehensive overview of current trends, challenges, and opportunities in the industry.
1:30 PM	**Interactive Discussion** Engage in a facilitated discussion where we share the aggregate answers to all the homework questions. This is your chance to ask questions, share insights, and learn from the experiences of your peers. Discover where everyone stands and find peers who have the answers you need.
2:30 PM	**Coffee & Networking Break**
3:00 PM	**Peer-Given Best Practices Presentations** Learn from the best! Between 4-7 leading companies will each present their best practices developed when evaluating, applying, or scaling AI. Gain valuable insights and actionable strategies to implement in your own organization. (Selection of best practices will be a part of the Homework assignment).
4:30 PM	**Closing Remarks & End of Workshop**
Post-Workshop	You will get a copy of all the workshop homework data aggregated and anonymized. The attendee list is available (without contact information), and introductions will be made for those who want to network or are willing to help others.

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MX.0 MIDWEST AGENDA WEDNESDAY, SEPTEMBER 25, 2024 | CROWN PLAZA CLEVELAND AT PLAYHOUSE SQUARE	
7:00 AM	**Registration, Networking & Refreshments**
8:00 AM	**MX.0 Media Welcome & Speed Networking**
8:10 AM	**Chair's Opening Remarks** **Mike Yost,** Director, Manufacturing Excellence Program, **Manufacturing Works |** Chair, **Industry 4.0 Club** (OH) – *confirmed*
PLENARY SESSION	
TECH-LED KNOWLEDGE TRANSFER & CHANGE MANAGEMENT	
8:20 AM	PANEL DISCUSSION: **How to Utilize Emerging Technologies to Capture Knowledge Quickly & Boost Engagement & Safety on Your Factory Floor**

	Meet with manufacturing experts to hear how they have advanced their workforce training and development to ensure staff turnover and recruitment do not negatively impact their bottom lines. The panel shares key best practices and answers your questions sent via the Whova App. - How did you match the technology to the process to improve workforce training and safety on your shop floor? - What steps are you taking to capture informal knowledge that has been built up over a lengthy career and transfer it quickly to today's digital native workforce? - Give examples of how AI and Mixed Reality technologies are driving up employee onboarding and production speed. - Change management can be specific to the organization, but what approaches and practices have worked for you that others can learn from? Moderator: **Terri Sandu**, Director, Talent & Business Innovation, **Lorain County Community College** | Director, **Ohio TechNet** (OH) - *confirmed* Panelists: - **Susan Carlock**, Executive Vice President, **Mursix Corporation** (IN) – *confirmed* - **Brian Marsh**, Senior Director, Digital Manufacturing, **Nestlé USA** (OH) - *confirmed* - **Brian Perlstein**, Digital Manufacturing Innovation Leader, **Owens Corning** (OH) – *confirmed*
8:55 AM	Keynote Presentation: **How to Speed Up Your Digital Transformation Journey to Create Value Faster** Hear how Eaton approached digital transformation at scale within a business with a very diversified product range, and therefore, many different approaches to manufacturing. Discover the steps taken to tackle 200+ global plants and benefit from understanding the criterion required when managing culture, technology choice, and processes during rollout. **Craig Sutton**, Vice President Industry 4.0, **Eaton** (OH) – *confirmed*

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9:20 AM	**Watch this Space...** **Devin Bhushan**, Founder & CEO, **Squint** – *confirmed*
9:50 AM	Visionary Keynote: **How to Build a Culture of Innovation & Inclusion to Drive Scale & Resilience** When driving change, how do you meet people where they are and lead motivation and innovation at the top of your business and bottom? What does change management look like, and what does success really look like? Hear from this established, exceptional manufacturing leader who has a long history of building the smart factory and learning from wins and failures that they are now ready to share! **Peggy Gulick**, VP of Advanced Manufacturing and Continuous Improvement, Energy, **Kohler** (IA) – *confirmed*
10:15 AM	**Refreshment Break & Exhibitor Demos**
HOW TO EMPLOY ADVANCED INTELLIGENCE TO DRIVE SECURE, OPTIMIZED OPERATIONS	
10:55 AM	**Chair's Welcome Back** **John Dyck**, CEO, **CESMII** (OH) – *confirmed*
11:00 AM	Panel Discussion: **Understanding AI - How Can You Take This Intelligence Tool & Optimize Your Business?** AI's potential is recognized and accepted, but how to use it effectively in a production and a wider business setting remains unclear for many manufacturers. Join the panel to unpick the actions needed to ensure you have accurate data and the right tools and technologies to achieve the business outcomes you plan to yield from AI.

	Hear detailed, tried, and tested examples of how to apply AI and ML to reduce downtime and costs within a production setting. Understand where Generative AI is being used today and how it is expected to fit in with manufacturing going forward. Moderator: **John Dyck**, CEO, **CESMII** (OH) - *confirmed* Panelists: - **Anthony Huffman**, Enterprise Architecture Strategist, Industry 4.0, **Koch Industries** (IL) – *confirmed* - **Ben Davis**, EVP/CIO, **Cambria** (MN) - *confirmed* - **Nathan Settlemire**, Director of Digital Transformation, **Charter Manufacturing** (OH) – *confirmed* - **Jeffrey Schroeder**, Product Manager, **HighByte** – *confirmed*
11:35 AM	*Watch this Space…* **Joe Mulrooney,** Head of Industry – Go To Market, **ServiceNow**
11:55 AM	Manufacturer Case Study: **Deep Dive into How to Structure Your Data & Prepare the Key Foundation to Take Advantage of the AI Hype!** AI and GenAI are definitely at the center of today's tech hype! However, you have to do the boring work before you have fun, and getting your data clean and structured across multiple plants and business units is critical to the success of your future AI strategy. Join John Deere's leadership team to hear the perspectives, priorities, and processes of different business lines as they manage datasets, architecture, and streaming to allow for future innovation. **Brad Bishop**, Smart Connected Factory Program Lead, **John Deere** (IA) – *confirmed* **Justin Gold**, Manufacturing Data Platform Product Owner, **John Deere** (IA) – *confirmed*
12:25 PM	*Sponsor Session (Gold)*

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12:45 PM	**Lunch, Demos & Discussion**

	EMERGING TECHNOLOGY CASE STUDIES FROM THE PLANT FLOOR	GETTING STARTED AS A SMALL TO MIDSIZE MANUFACTURER
1:45 PM	**Track Chair's Opening Remarks**	**Track Chair's Opening Remarks** **Mike Yost,** Director, Manufacturing Excellence Program, **Manufacturing Works |** Chair, **Industry 4.0 Club** (OH) - *confirmed*
1:50 PM	**Unpicking a Use Case for Augmented Reality to Achieve Actionable Intelligence in Manufacturing** Dive into the business and use cases Colgate-Palmolive's Ohio team has been working on to deploy augmented reality. Unpick the hurdles related to AR implementation and the actionable intelligence tools used by current Operator Technicians, Maintenance Technicians, and Controls Engineers in a real manufacturing environment.	**You Too Can Build a World-Class Digital Transformation Program: How to Achieve Successful & Sustainable Outcomes Regardless of Your Company Size** Too many digital transformation efforts in manufacturing are based on small-scale but unscalable pilots, unrealistic consultant recommendations, and projects that chase the latest technology. Those organizations that are serious about digital transformation need the proper leadership, strategy, and resources to build a program with a long-term impact, not just a short-term project.

	John Whited, Plant Automation Engineer, **Colgate-Palmolive Company** (OH) - *confirmed*	Hear from an experienced practitioner who has built successful programs across multiple companies. We will discuss what works, what doesn't work, and the key aspects of strategy, execution and resourcing need to drive successful and sustainable outcomes regardless of company size. **Larry Megan,** Head of Digital, **Baldwin Richardson Foods** (NY) – *confirmed*
2:15 PM	*Sponsor Session (Silver)*	**Innovation in the Face of Legacy Equipment and Processes** Learn about the challenging yet rewarding journey of one engineer's work in spearheading a Smart Manufacturing initiative within a traditional manufacturing business. In this session, you will gain firsthand insights into the obstacles and triumphs of transforming established systems and practices with an innovative mindset and industry-leading solutions available to everyone. Through stories of perseverance and embracing a fail-forward-fast mentality, the session will highlight how leveraging affordable, adaptable new technologies and platforms can deliver swift, lasting results. Attendees will leave inspired and equipped with actionable insights to drive innovation in their own organizations, no matter the age of their equipment or the depth of their legacy processes.

		Key Takeaways: - Learn strategies for gaining support from leadership and workers alike to foster a culture of innovation and adaptability. - Discover techniques for integrating new technologies without disrupting existing production workflows. - Understand how to pilot low-cost, easy-to-implement technologies that can demonstrate immediate benefits, helping to build momentum and support for broader adoption across the company. Don't miss this opportunity to explore how perseverance, strategic planning, and modern technological solutions can revolutionize even the most traditional manufacturing setups **Tim Knezevich**, Innovation Lead, **Keystone Threaded Products** (OH) - *confirmed*
2:40 PM	**How to Implement a Digital Twin & Gain Greater Control of What's Happening on Your Shop Floor in Real-Time** Building a digital replica of processes and the ability to run a what-if scenario are the main objectives of Digital Twin. Leveraging process simulation, 3-D modeling, and	**Jergens Way: Stepping Beyond Technology to Drive Efficiencies** Kurt Schron, CFO at Jergens Inc, provides insights into Jergens' journey to leverage modern technologies in support of their business, sharing lessons learned about

	real-time monitoring are key to achieving a Digital Twin of any process. Hear the steps Otis takes when implementing a digital twin of any process within the manufacturing space. Gain insights into: • The Fourth Industrial Revolution (Industry 4.0) and current practices • Implementation roadmap for a manufacturing facility • Real-time monitoring of the process and asset • 3-D layout and process simulation • How to build a Digital Twin • Otis' current implementation strategy- a case study approach • Continuous improvement approach to maintaining sustainability **Jolly Ehiabhi**, Staff Manufacturing Engineer, **Otis Elevator** (SC) – *confirmed*	people, process, leadership, company culture, and technology along the way. **Kurt Schron**, CFO, **Jergens Inc.** (OH) - *confirmed*
3:00 PM	**Interactive Round Table Discussion** *Session Held for **Squint** (Lead Sponsor)*	Panel Discussion: **How Local Small to Medium-Sized Manufacturers Are Building Their Digital Capabilities Roadmap Right Here in Cleveland** Join us for an engaging and informative session that promises to have you thinking differently about charting your Industry 4.0 path forward with confidence and clarity.

		Hear from several local business leaders who are leveraging the national "Smart Manufacturing Acceleration Framework" to build their roadmap to their digital future, and, learn from their real-world insights, including: • Strategy and leadership are more important than bits-and-bytes • Resources are available TODAY to help you make smart manufacturing real for you and your company • Your company is not too small • Your company size may give you an advantage Moderator: **Sophia Long**, Manager, Industry & Innovation, **Team NEO** (OH) - *confirmed* **Mike Yost,** Director, Manufacturing Excellence Program, **Manufacturing Works |** Chair, **Industry 4.0 Club** (OH) - *confirmed*
3:45 PM	**Quick Coffee Break & Networking**	
PLENARY SESSION		
DATA-DRIVEN POWER & KNOWLEDGE		

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4:15 PM	**Chair's Remarks, Audience Poll & Discussion** **Jeff Winter**, Smart Manufacturing Advisor, **CESMII** - *confirmed*
4:20 PM	Panel Discussion: **How Have You Derived Value from Your Data to Drive Operational Improvements & Business Buy-In for New Investments?** Predictive maintenance, quality control and defect detection, process optimization, and supply chain visibility are all key, well-known areas where data insights can help manufacturers. However, it is also well-known that collecting, managing, and creating meaningful insights from data is not easy. Join these Manufacturing OT/IT, Continuous Improvement and Quality, and Supply Chain leaders to hear their different perspectives on what works, what does not, and what is next for data management and analysis so that you do not end up with just a load of lakes! Panelists: - **Matthew Miller**, Head of Global Operations Technology, **Sun Chemical** (OH) – *confirmed* - **Sarah Morgan**, Director, Digital Supply Chain, **Kellanova North America** (MI) - *confirmed* - **Ashutosh Nadgauda**, Director of Global PD&L Quality & North America Quality, **Steelcase** (MI) - *confirmed*
4:55 PM	Closing Manufacturer Keynote: **Using Digital Transformation to Revolutionize Manufacturing** · Value realization in manufacturing to boost OEE and productivity · IT and OT convergence in people, process, technology, and security · Sustaining transformation and innovation through factory automation, AI, and responsible change management **Dhananjay Gadgil**, Vice President, Manufacturing Operations, Americas, **Rockwell Automation** (OH) - *confirmed*

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5:20 PM	**Chair's Closing Remarks**
5:30 – 7:00 PM	**Happy Hour Drinks!**