2022 EVENT RECAP

2022
SMART MANUFACTURING EXPERIENCE

June 7–9, 2022
Pittsburgh, PA
smartmanufacturingexperience.com
The Smart Manufacturing community convened in Pittsburgh with manufacturing professionals from small to large organizations gathered looking for practical pathways to Industry 4.0, and the enabling technologies/services to support their journey.

Our guests represent companies in various phases of digitalization of their businesses. Many looking for the strategic vision and in progress execution to fully optimize and leverage - People, Process, and Technology.

**TOTAL GUESTS**

1,103  In-Person Guests

458  Live-Streaming Guests

**GUEST PROFILE**

<table>
<thead>
<tr>
<th>JOB FUNCTIONS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner/Company Management/Corporate Executive</td>
<td>18%</td>
</tr>
<tr>
<td>Sales and Marketing</td>
<td>17%</td>
</tr>
<tr>
<td>Manufacturing Engineering Management</td>
<td>9%</td>
</tr>
<tr>
<td>Manufacturing Production Department (non-management)</td>
<td>1%</td>
</tr>
<tr>
<td>Manufacturing Engineering Department (non-management)</td>
<td>8%</td>
</tr>
<tr>
<td>Design Engineer</td>
<td>6%</td>
</tr>
<tr>
<td>Educator/Instructor</td>
<td>6%</td>
</tr>
<tr>
<td>Information/IT Systems</td>
<td>9%</td>
</tr>
<tr>
<td>Quality Assurance &amp; Control</td>
<td>1%</td>
</tr>
<tr>
<td>Product Design and Development</td>
<td>5%</td>
</tr>
<tr>
<td>Control Engineering/Automation</td>
<td>5%</td>
</tr>
<tr>
<td>Manufacturing Production Management</td>
<td>3%</td>
</tr>
<tr>
<td>Other*</td>
<td>12%</td>
</tr>
</tbody>
</table>

*Includes economic development, HR, Investor, program/project management, research, workforce development
PRIMARY INDUSTRIES

Industries of all types are looking to invest in 3D technologies. At SMX, you’ll find a diversification of industries unlike any other event. Top industries represented at SMX 2022 included:

- Aircraft / Aerospace
- Automotive
- Communications
- Consulting / Engineering
- Consumer Goods
- Defense
- Electronics / Computers
- Fabricated Metal/Stampings
- Furniture
- Government/Military
- Commercial & Industrial Machinery
- Medical / Surgical
- Petroleum
- Plastic Products
- Renewable Energy
- Research & Development Services (Financial and Other)
- Job Shop / Contract Manufacturing
- Additive Manufacturing & 3D Printing - Product Supplier/Services
- Chemical/Mineral
- Packaging
- Education / Academia
ATTENDING COMPANIES

A. Stucki Co.
Accella LLC
Addve Materials
Advanced Manufacturing Office, U.S. Dept. of Energy
Advanced Robotics for Manufacturing
Advanced Technology International
Aerotech Inc.
Afomia Mekonnen Worku
Agile Smart Technologies
Agilent Technologies
Agri-Products
AHP Seals
Air Force Research Laboratory
Air Liquide
All-Clad Metalcrafters
Allegheny Educational Systems
Allegheny Petroleum Products
Allegion PLC
Alteia
Americ
America Makes - NCDMM
American Crane & Equipment Corp.
American Middle East Institute
American Ordnance
Amnen Trading PLC
Amsted Rail - Brenco
Andonix
Aniq Flaire
Arconic Corp.
Arencibia
Argolytics
Arkansas Manufacturing Solutions
Arrow Intelligent Solutions
Ascent Aerospace
Assembly OSM
Astrobotic
Async Computing LLC
Atalaya Leasing
Atlaz LLC
Auburn University
AVMC
Axial Global Advisors
Baldwin Richardson Foods
Balluff Worldwide
BDO
Bellflight / Bell Helicopter Textron
Ben Franklin Technology Partners
BenntAI
Black Ice Strategies
Bloom Energy
Bloom Engineering Co. Inc.
Boeing
Bosch LLC
Braskem America
California State University, Northridge
Carbinite Metal Coatings
Carmeuse Americas
Carnegie Mellon University
Case Western Reserve University
Catalyst Connection
Centri Dyne Equipment Co.
Cerro Fabricated Products LLC
CFE
Chelsea Building Products
Clemson University
Comtek Advanced Structures Ltd.
Corning Inc.
Creaform
CSIA - Control System Integrators Association
CUES Inc.
Cummins Inc.
Daedalus
Data Science Automation
Datanomix
Delta Bravo Artificial Intelligence
Dent Invent
Dick's Sporting Goods
Digital Foundry at New Kensington
Dimonoff Inc.
DMI Companies
Doosan Machine Tools America
DRV Inc.
East Coast Automation Sales
ECM Performance Materials Corp.
Ectron Corp.
El Camino College - Business Training Center
eLogic
Energetics Inc.
EnergynTech Inc.
Engineered Profiles
ESI
Everett Industries
EXGwear
Factana Computing
Festo Didactic
Feyen Zylstra
Finger Lakes Community College
Fitz Frames
Flashpoint Digital Marketing
Flexware Innovation Inc.
Ford Motor Co.
Formalloy Technologies Inc.
Fotorecord Print Center
FrenchCreek Fall Safety
Fusion / RoboJob USA
Gardner Business Media
GE Aviation
GenEdge Alliance
Gianaris and Associates PLC
Gilion Engineering Sales
Global Manufacturing & Industrialization Summit
Global Resilience Federation
Graham Partners Growth
GrayMatter
Greater New Orleans Inc.
GrowthHive
GTvate
HAM
Harpak-ULMA
Harsco
HII - Newport News Shipbuilding
HII Ingalls
Hogan
Hranec Corp.
Ichor Systems
Idaho National Laboratory
Indiana University
Industrial Sales and Manufacturing
INfab
Innovation Works / AlphaLab Gear
Instacart
Interface Technologies LLC
International Business Development Group-IBDGi
Investment Casting Institute
IoTco
ITS
J.P. Morgan Chase & Co.
Jendoco Construction Co.
JITbase
JMC Data Experts Inc.
Joe Zeff Desig. Inc.
Johnson & Johnson
Julius Education
Kaiser Manufacturing
Kanfit Ltd.
Keller Industrial Products
Kenametal Inc.
Kimberly Clark Corp.
Kitron Technologies
Krauss-Maffei Corporation
Lakhos Group
Lantek
Lexus Addis Trading PLC
LINAK
Linamar
Lutron Electronics
LyfeBrdge
MachineMetrics
MAGNET
Maher & Associates
Mallory Designs LLC
MANTEC
Manufacturing Laboratories
Mariner-USA
Markforged
Marsh Bellofram
Martin-Baker America Inc.
Master Fluid Solutions
Mazak Corp.
McCormick Stevenson Corp.
Mechdyne Corp.
Melorik Import & Wholesale Trading
MEP Advanced Tech Team
MTDG – Manufacturing Technology Deployment Group
Micro Craft Inc.
Microsoft
Midwest USA Chinese Chamber of Commerce Pittsburgh
Mine Safety Appliance
Mingo
Mitsubishi Heavy Industries America
M-Line Inc.
Momenta
Morgan Advanced Materials & Technology
Morris Group Inc.
MSA Safety
MSC Industrial Supply Co.
N.E. Davis Co. Inc.
nanoLambda
NASA
National Energy Technology Laboratory
NTMA – National Tooling & Machining Association
Naval Nuclear Laboratory
NCDMM
NEPIRC
New Pig Corp.
Nexa3D
Next Manufacturing Center at CMU
NFM Welding Engineers Inc.
Norman Noble Inc.
North American Höganäs
North Carolina State University
Northeastern University
Northwest Industrial Manufacturer
Nothrop Grumman Space Systems
NWIRC
NxGen Group
O Neal Inc.
Oak Ridge National Laboratory
Ohio Fabricators Co.
OPC Foundation
Open Space Consultants
Oracle
PCA
Panasonic Industrial IoT Solutions
Patch Consulting
Pella Corp.
Penn State University
Penn State, Digital Foundry at New Kingston
Penn United Technologies
Penn United Technologies/Parker
Majestic Grinders
Pennsylvania College of Technology
Perdue University Northwest
Pittsburgh Chapter, NTMA
Pittsburgh Drone Services
Pittsburgh Packaging
Plex Systems
PM2 Strategies
PMI Digital
Polaris Automation Inc.
PowerArena
PPG
Pratt & Whitney
Premier Automation
Prime Systems
PRL International
Procter and Gamble
PTC Alliance
Purdue University
Qad Inc.
Qth 54 Inc. Machine Document
R3A Architecture
Rain Bird
Ramey TEC
Raytheon Technologies
RealWear Technologies
REMADE Institute
Rewyndr
Ricoh
Robert Morris University
Rockwell Automation
Rosedale Technical College
Royal Master Grinders Inc.
Royal Products, Div. of Curran Mfg. Corp.
SAE International
Schlumberger
Seltech USA
SencorpWhite
Siemens
Simba Chain
Sixth City Marketing
SKF Aerospace
Skyway
SLM Solutions
Smart Automation Certification Alliance
SME Chapter 8 - Pittsburgh
Smith & Nephew
SMW Autoblok Corp.
Society of Actuaries
Solenoid Solutions Inc.
STEC Global
Strata Innovative Solutions
Sustainment Technologies Inc.
Symmetry Electronics
Syntiant
TAKTL LLC
Talon Group LLC
T-Associates LLC
Tata Consultancy Services
TechSolve Inc.
Telesis
TensorIoT Inc.
Terravive
Texas A&M University
The Barnes Global Advisors
The University of Texas at El Paso
Thermo Fisher Scientific
Timco Industries
Tosoh Quartz Inc.
Toward Zero
Translate.One
Trend Medical
TriMech
Truebridge Partners LLC
Trumble Inc.
TRUMPF Inc.
TruSummit Solutions
Turbine Workforce
U.S. Steel
U.S. Dept. of Energy, Advanced Manufacturing Office
United Airlines
University at Buffalo
University of California Los Angeles
University of Connecticut
University of Northern Florida
University of Northern Iowa
University of Tennessee
USI Insurance Services
VDMA Washington Inc.
Verusen
W.H. Leary
W.W. Grainger Inc.
Wabtec Corporation
Walking Ridge Development
WE-EF Group
Werner Co.
WESCO
West Monroe
West Virginia University
Westerville Dermatology
Wheeler Fleet Solutions
Wipro Enterprises USA
Workforce K2Gray
WPAFB/AFLCMC (Wright-Patterson Air Force Base / Air Force Life Cycle Management Center)
YKK AP America Inc.
Zaviant
Zoned Commercial Business Consulting
TECHNOLOGY INTERESTS

Attendees identified the following technologies as key areas of interest.

<table>
<thead>
<tr>
<th>Technology Category</th>
<th>Percentage</th>
<th>Technology Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automation</td>
<td>42%</td>
<td>ERP/Inspection/Testing</td>
<td>11%</td>
</tr>
<tr>
<td>Industry 4.0</td>
<td>34%</td>
<td>MRP &amp; Supply Chain Management</td>
<td>11%</td>
</tr>
<tr>
<td>Additive Manufacturing/3D Printing</td>
<td>32%</td>
<td>Supply Chain Integration</td>
<td>11%</td>
</tr>
<tr>
<td>Artificial Intelligence &amp; Machine Learning</td>
<td>32%</td>
<td>Controls CAD/CAM Software</td>
<td>10%</td>
</tr>
<tr>
<td>Robotics</td>
<td>27%</td>
<td>Materials</td>
<td>10%</td>
</tr>
<tr>
<td>Industrial Internet of Things (IIOT)</td>
<td>26%</td>
<td>Modeling and Simulation</td>
<td>10%</td>
</tr>
<tr>
<td>3D Printing</td>
<td>23%</td>
<td>Operations Technology (OT)</td>
<td>10%</td>
</tr>
<tr>
<td>Collaborative Robotics (Cobots)</td>
<td>22%</td>
<td>Product Design/Engineering</td>
<td>10%</td>
</tr>
<tr>
<td>Lean Manufacturing</td>
<td>20%</td>
<td>Product &amp; Process Design Management</td>
<td>9%</td>
</tr>
<tr>
<td>Big Data Platforms</td>
<td>16%</td>
<td>3D Printed Electronics</td>
<td>9%</td>
</tr>
<tr>
<td>Data Acquisition</td>
<td>15%</td>
<td>Data Translation/Interoperability</td>
<td>8%</td>
</tr>
<tr>
<td>Manufacturing Execution Systems (MES)</td>
<td>15%</td>
<td>Finishing/Coatings</td>
<td>8%</td>
</tr>
<tr>
<td>Sensors</td>
<td>15%</td>
<td>Lasers</td>
<td>8%</td>
</tr>
<tr>
<td>VR &amp; AR &amp; MR</td>
<td>14%</td>
<td>Quality</td>
<td>8%</td>
</tr>
<tr>
<td>Machine Vision</td>
<td>14%</td>
<td>Grinding/Deburring/Surface Finishing</td>
<td>7%</td>
</tr>
<tr>
<td>3D Imaging/Scanning</td>
<td>13%</td>
<td>Product Lifecycle Management (PLM)</td>
<td>7%</td>
</tr>
<tr>
<td>Business &amp; Workforce Transformation</td>
<td>13%</td>
<td>RFID</td>
<td>6%</td>
</tr>
<tr>
<td>Cloud Computing</td>
<td>13%</td>
<td>Plastics/Polymers</td>
<td>5%</td>
</tr>
<tr>
<td>Manufacturing Management</td>
<td>12%</td>
<td>Flexible Manufacturing Systems</td>
<td>4%</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>11%</td>
<td>Plant, Energy &amp; Environmental Efficiency</td>
<td>4%</td>
</tr>
<tr>
<td>Automated Guided Vehicles (AGVs)</td>
<td>11%</td>
<td>Cybersecurity</td>
<td>2%</td>
</tr>
<tr>
<td>Computer-Aided Engineering (CAE)</td>
<td>11%</td>
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</tr>
<tr>
<td>Region</td>
<td>Percentage</td>
<td></td>
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<tr>
<td>---------------------------------------------</td>
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<td></td>
</tr>
<tr>
<td>Middle Atlantic / New England (CT, ME, MA, NH, NJ, NY, PA)</td>
<td>56%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MidWest (IL, IN, MI, OH, WI)</td>
<td>15%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>South Atlantic / East South Central (AL, DE, DC, FL, GA, KY, MD, MS, NC, SC, TN, VA, WV)</td>
<td>13%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>International (Algeria, Canada, Ethiopia, Israel, Japan, Korea, Mexico, United Arab Emirates, United Kingdom)</td>
<td>5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pacific (CA, OR, WA)</td>
<td>5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>West South Central (AR, LA, TX)</td>
<td>3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mountain (AZ, CO, ID, MT, NM, WY)</td>
<td>2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>West North Central (IA, MN, MO, SD)</td>
<td>1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SMART MANUFACTURING EXPERIENCE

SAVE THE DATE

June 4-6, 2024

SMART MANUFACTURING EXPERIENCE
RETURNS TO PITTSBURGH!

SECURE YOUR PARTICIPATION TODAY!

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