The Smartforce Student Summit at IMTS: The Manufacturing Technology Classroom of the Future

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AMT Smartforce Development

Manufacturing Mandate:
Build a Smartforce through education and training initiatives that reflect the 21st century workplace.
Building a better educated and trained Smartforce

**SUPPORT** grants, scholarships, and academic challenges for Science, Technology, Engineering, and Math (STEM) programs

**IMPLEMENT** national manufacturing skills certifications

**ADVOCATE** for manufacturing technology degree programs at community colleges, engineering programs at universities, and apprenticeships and internships
Smartforce Student Summit at IMTS

An interactive education event to introduce teachers and students of all ages to the exciting, high-tech careers in all manufacturing sectors: aerospace, automotive, energy, medical, robotics and automation, and beyond.

- New technologies
- Hands-on challenges
- Career exploration
2018 Smartforce Student Summit

By The Numbers

2010-2018 Registration

46 States Attended in 2018
2018 Smartforce Student Summit
By Experience

- AR/VR, IIoT, 5-axis machining, additive, cobots, generative design, metrology, MTConnect® and more
- 3D Printing Air Rocket Challenge, FIRST Robotics, Space Coast Apprentice Competition
- Student Mentor Labs: PLCs, robotics, high-mileage vehicles
- Over 80 exhibitors: ABB, Boeing, FANUC, Festo Corp., FIRST Illinois, Haas, Heidenhain, Mastercam, Mitutoyo, NIMS, OMAX, Purdue University, Siemens, Renishaw, Yaskawa, and Zeiss
The 2018 5k generated a record $27,310 in sponsor support – resulting in Smartforce donations to CPS STEM Schools, the FIRST Robotics Illinois team, and others.
2020 Smartforce Student Summit

Manufacturing Technology Classroom of the Future

- 5-Axis Machining
- Additive Manufacturing
- AR/VR Applications
- CAD/CAM
- IIoT & Digital Twin in Manufacturing
- Launch of New NIMS Credentials
- Metrology & 3D Scanning
- SME Education Foundation Ten80 Education Drone Challenge
- Robots, Cobots & Mechatronics
2020 Smartforce Student Summit

Project Manufacturing National Championship Competition

- 5-axis machining plus welding competition
- Culmination of private-public partnership between the Office of the Secretary of Defense Industrial Base Analysis and Sustainability, AMT, IMTS and over 25 industry stakeholders
- Nearly $5.7M investment by end of 2020
2020 Smartforce Student Summit
Exhibitor Eligibility

AMT’s Board of Directors underwrite the investment that AMT and IMTS make on behalf of the industry, enabling a free booth package at no cost to exhibitors.

- Eligibility Requirement: be an IMTS exhibitor
- Eligibility Requirement: enthusiasm for career-tech education; ability to sell product
- Eligibility Requirement: booth must be staffed and maintained throughout IMTS week
- *Interactive, engaging, and hands-on exhibits*
- Exhibitor Application Download: imts.com/educators/exhibitorapplication.html
Contact

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