Conference-at-a-Glance

TUESDAY, NOVEMBER 8

TECHNOLOGY	8:00 AM – 9:30 AM	10:00 AM – 11:30 AM	12:00 PM – 1:30 PM	2:00 PM – 3:30 PM
3D/ADDITIVE MFG	NEW! F10: Additive Manufacturing Outlook for Industrial Applications Room B301		F12: Additive Manufacturing Safety & Power Quality Solutions Room B301	F13: Business Considerations for 3D Additive Technology Room B301
AUTOMATION	NEW! F20: Increase Productivity with Software Automation Room B313	NEW! F21: Enabling Digital Transformation & Connectivity Solutions Room B313	NEW! F22: Embracing Automation Options and Best Practices Room B313	F23: What You Need to Understand Before Thinking About Running Your Shop Lights-Out Room B313
CUTTING		NEW! F31: The Most Versatile Machine Tool and Considerations for Successful Waterjet Machining Room B302		
FINISHING		C11: Powder Coating: Recipes for Success Room B404		NEW! C13: Pretreatment in the Real World Room B404
FINISHING		C21: ECOAT 101 - Basics of Electrocoating Room B405		C23: Maximizing Your Finishing Line - Cradle to Grave Room B405
FINISHING		NEW! C31: Zero to Smart Factory-Building Sustainability Room B406		NEW! C33: Automate Your Way - Options for Your Powder Coating Line Room B406
FORMING & FABRICATING	NEW! F40: Advanced Brake Press Technologies Room B305	F41: Machine Safeguarding Room B305	F42: Roll Forming Basics Room B305	NEW! F43: Coil-Fed Laser Blanking Room B305
JOB SHOP	F50: Job Costing and Estimating in a Changing Economy Room B314	NEW! F51: Balancing Your Shops Process & Implementing ERP Solutions the Right Way Room B314	F52: How to Build a Better Supply Chain for Your Business Room B314	NEW! F53: Holding People Accountable Through Effective Corrective Action in Today's Tight Labor Market Room B314
LASER	NEW! F30: How to be Successful in Your Laser Joining Applications Room B302		NEW! F32: Improve Laser Quality, Inspection & Applications in Joining Processes Room B302	NEW! F33: Digital Laser & 3D Laser Cutting for Next Generation or Custom Robotic Room B302
LEAN	NEW! F60: Leadership's Role in Leading Lean Teams Room B304	F61: Value Stream Mapping – Understanding the Whole: From Sales to Shop to Customer Room B304	F62: A3 Thinking - Developing People & Solving Problems Room B304	NEW! F63: Lean Reflections and Projections Room B304
MANAGEMENT	NEW! F70: When Worlds Collide: Management and Communication in a Multinational Workforce Room B308	NEW! F71: Surviving the Aftermath of the Great Resignation Room B308	NEW! F72: Outlook for Advanced Manufacturing: Accelerate Change and Benchmark Your Organization Room B308	F73: Gratitude Strategies to Create a Company Culture That Rocks Room B308
MARKETING & SALES	F80: The State of Sales & Marketing: Attracting Tomorrow's Buyers Room B315	NEW! F81: Make the Most of Your Marketing Without a Big Team Room B315	F82: Manufacturing the Sale & Applying Measurable Processes Room B315	NEW! F83: Uncertain Economy & Supply Chain Growth Strategies to Gain Market Share Room B315
ROBOTICS	WS01: Getting Started in Industrial Robotics Workshop: What You Need to Know (8:00 AM - 12:00 PM) Room B309		NEW! F92: Cost-Effective Robots for Any Type of Production, Even One-Offs-With Case Studies Room B309	NEW! F93: Robotic Operating System, Integration and Programming Room B309
SMART MFG	F100: Digital Transformation Buzzwords & Playbook Room B303	NEW! F111: Digital Transformation on the Shop Floor, Do More With Less Room B303	WS02: Smart Manufacturing Bootcamp (12:00–5:00 PM) Room B303	
STAMPING	NEW! S10: Metalforming Industry Outlook – The Good. The Bad. The Opportunity. Room B316	S11: Metal Stamping Press Maintenance Best Practices to Maximize Performance Room B316	NEW! S12: Dealing with Off-Center Loading in Stamping Operations Room B316	NEW! S13: Maximize Your Metalworking Fluids - Cost, Safety, Performance and Re-use Room B316
TUBE & PIPE	NEW! F400: What's Happening in Tube Bending? Room B306	F411: Modern Tube Bending and Lubrication Room B306	NEW! F412: Custom Tube Bending and Laser Cutting Room B306	NEW! F413: Specialty Tube Welding Room B306
WORKFORCE DEVELOPMENT	NEW! F200: Technology Investment Choices: The Impact of Hiring & Retention Room B312	F211: Mentoring & Creating a Successful Career Pathing Program Room B312	F212: Motivating & Building an Effective Workforce in 2022 Room B312	NEW! F213: Rockstar Recruiting & Becoming the Employer of Choice Room B312

WELDING		
	W1: AWS/Weld-Ed Educators Conference – Robots And Automation in Welding Education Room C201	8:30 AM – 4:30 PM
	W2: Welding Productivity Tracks Room C207	9:00 AM – 4:30 PM
	W3: Diverse Roles and Needs within the Welding Industry Tracks Room C211	8:00 AM – 4:00 PM
	W10: Professional Program - Day 1 Room C208-C209	8:00 AM – 4:00 PM

Detailed Conference Program session descriptions, speakers, pricing, room locations and more can be found at **fabtechexpo.com/conference**.

■ Basic ■ Intermediate ■ Advanced

Conference-at-a-Glance

WEDNESDAY, NOVEMBER 9

TECHNOLOGY	8:00 AM – 9:30 AM	10:00 AM – 11:30 AM	12:00 PM – 1:30 PM	2:00 PM – 3:30 PM
3D/ADDITIVE MFG	**F14:** Fundamentals of AM Technologies and the 7 Processes for Fabrication **Room B301**	**NEW!** **F15:** Significant Product Case Studies in Additive Manufacturing **Room B301**	**NEW!** **F16:** 3D Additive Robotic and Laser Solutions for Large Parts **Room B301**	**NEW!** **F17:** Design Tools for Additive Manufacturing **Room B301**
AUTOMATION	**NEW!** **F24:** Automation Basics and Integration for Fabrication Shops **Room B313**	**NEW!** **F25:** How is AI Changing the Future of Robotics? **Room B313**	**NEW!** **F26:** Automation E-Commerce Tools & Supply Chain Collaboration **Room B313**	**NEW!** **F27:** Increase Business Intelligence & Labor Shortages with Automation **Room B313**
CUTTING	**NEW!** **F34:** The Benefits of Cutting with Oxy-Fuel, Nitrogen & Assist Gas Technology **Room B302**	**F35:** Comparative Cutting: Which is Right for You? **Room B302**		
FINISHING	**NEW!** **C14:** New Technologies I **Room B404**	**C15:** I Want To ECOAT, What Now? **Room B404**		**NEW!** **C17:** New Technologies II **Room B404**
	NEW! **C24:** Batch vs. Automated Finishing Systems - Which is Right for You? **Room B405**	**C25:** Improving Powder Coating Processes **Room B405**		**NEW!** **C27:** Alternative Pretreatment Strategies **Room B405**
	NEW! **C34:** Advances in Plating and Process Automation **Room B406**	**NEW!** **C35:** In the House: Bringing Outside Services Inside **Room B406**		**C37:** IR Curing Technologies and their Applications **Room B406**
FORMING & FABRICATING	**F44:** Roll Forming: In-line Punching, Cutoff Dies and Press Tonnage **Room B305**	**F45:** Coil Processing: Leveling, Deburring, Blanking, and Storing **Room B305**	**F46:** Roll Forming: Advanced Techniques and Design **Room B305**	**NEW!** **F47:** Roll Forming: Materials and Troubleshooting **Room B305**
JOB SHOP	**NEW!** **F54:** Risk Radar & Developing and Testing Incident Response Plans **Room B314**	**F55:** Improve Production Outcome & Create Sustainability in New Product Development **Room B314**	**NEW!** **F56:** The Secret to Stress-Free Sourcing & Overcoming Supply Chain Problems **Room B314**	**F57:** Do You Know How Much Money You're Losing Due to Equipment Breakdown? **Room B314**
LASER			**NEW!** **WS03:** Fabricators Laser Application Workshop (12:00–4:30 PM) **Room B302**	
LEAN	**F64:** Breaking Boundaries for Operational Excellence **Room B304**	**NEW!** **F65:** Developing Lean Talent in 2022 **Room B304**	**F66:** Advance Production Floor Communication & Staffing to Strengthen Standard Work **Room B304**	**NEW!** **F67:** The Connective Tissues of the Lean Systems Components **Room B304**
MANAGEMENT	**NEW!** **F74:** Traits of High Impact Leaders **Room B308**	**NEW!** **F75:** Black Swans in Abundance; Prepare for Future Disruptions **Room B308**	**F76:** Leading Yourself and Others Through Change **Room B308**	**F77:** Developing as a Leader in the 21st Century **Room B308**
MARKETING & SALES	**F84:** Grow Your Business By Adopting the Right Habits **Room B315**	**F85:** Management & Best Practices for the Sales and Marketing Functions **Room B315**	**NEW!** **F86:** Manufacturing Marketing Automation: How to Create, Implement, and Analyze High-Performing Strategies **Room B315**	**NEW!** **F87:** Technical Writing for Inbound & Marketing Friendly Content **Room B315**
ROBOTICS	**NEW!** **F94:** Analyzing Robotic Investment for Small to Mid-Size Fabricators **Room B309**	**NEW!** **F95:** Using Robotics to Build Operational Resilience & Collaboration **Room B309**	**NEW!** **F96:** Evolution of Robot Programming Possibilities **Room B309**	**NEW!** **F97:** Robotic Solutions for Weld or Joining Technologies **Room B309**
SMART MFG	**NEW!** **F114:** Surviving Technology and Labor Challenges in Digital Manufacturing **Room B303**	**NEW!** **F115:** Condition & Production Monitoring in Smart Manufacturing **Room B303**	**NEW!** **F116:** Using Artificial Intelligence to Drive Value in Manufacturing **Room B303**	**F117:** IIoT & Agile Development for High Mix, Low Volume Environments **Room B303**
STAMPING	**NEW!** **S14:** Lightweight Sheet Metal for the Automotive Industry **Room B316**	**NEW!** **S15:** Sensors for Die Protection - Make Die Crashes a Thing of the Past **Room B316**	**S16:** Automatic In-Die Part Quality Monitoring & Tool Adjustments **Room B316**	**S17:** Creating Operational Excellence in the Press Shop through Automation **Room B316**
TUBE & PIPE		**NEW!** **F415:** Specialty Tube & Hot Rolling Processes **Room B306**		**F417:** Advanced Solutions for Tube and Pipe **Room B306**
WORKFORCE DEVELOPMENT	**NEW!** **F214:** Welcome Onboard: Simple Strategies to Keep Your New Hires from Jumping Ship **Room B312**	**F215:** Attracting, Leading & Retaining Talent, Millennials & Gen Z in the Workforce **Room B312**	**F216:** Creating a Culture of Accountability for Organizational Success **Room B312**	**NEW!** **F217:** Creating Mentors for our Future & The Value of Apprenticeships **Room B312**

WELDING		
	W5: Practical Welding Metallurgy **Room C201**	8:00 AM – 4:00 PM
	W6: Pricing For Profitability Of Welded Structures **Room C207**	8:00 AM – 4:00 PM
	W7: Welding Performance Qualifications **Room C211**	8:00 AM – 12:00 PM
	W8: Secrets To A Successful PQR **Room C211**	1:00 PM – 3:00 PM
	W10: Professional Program - Day 2 **Room C208-C209**	9:00 AM – 5:00 PM

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■ **Basic** ■ **Intermediate** ■ **Advanced**

Conference-at-a-Glance

THURSDAY, NOVEMBER 10

TECHNOLOGY	8:00 AM – 9:30 AM	10:00 AM – 11:30 AM	12:00 PM – 1:30 PM	2:00 PM – 3:30 PM
AUTOMATION	**NEW!** 🟩 **F28:** Steps and Lessons Learned in the Automating Journey **Room B313**	**NEW!** 🟪 **F29:** Low-Cost Automation Breaks Down Barriers to Entry **Room B313**	**NEW!** 🟪 **F220:** Automation in Simulation & Imaging for Joining Process **Room B313**	
CUTTING	**NEW!** 🟩 **F38:** Overcome Labor Shortages in the Cutting Industry & Keep Your Equipment Running **Room B302**			
FINISHING	🟪 **C18:** See It, Touch It, Fix It **Room B404**	**NEW!** 🟪 **C19:** Using Industry 4.0 Data to Improve Your Quality and Workforce **Room B404**		
	NEW! 🟩 **C28:** How to Choose the Best Coating System **Room B405**			
	NEW! 🟪 **C38:** Improving Processes in Your Liquid Paint Booth **Room B406**			
FORMING & FABRICATING	🟩 **F48:** Roll Forming Justification and Welding Profiles **Room B305**	**NEW!** 🟩 **F49:** Combustible Dust Safety for Metalworking and Fabrication **Room B305**		
JOB SHOP	🟩 **F58:** Business Owner Exit Options in Today's Market **Room B314**	🟪 **F59:** How To Use the R&D Tax Credit to Lower Your Tax Liabilities and Build a Competitive Advantage **Room B314**	🟩 **F510:** Innovative Manufacturers: to Patent or Not to Patent? **Room B314**	🟪 **F511:** Getting the Most Value Out of Selling Your Business **Room B314**
LASER		**NEW!** 🟪 **F39:** Introduction to New Laser Applications **Room B302**		
LEAN	**NEW!** 🟪 **F68:** Lean Tools for Industry 4.0 Continuous Improvement **Room B304**	**NEW!** 🟪 **F69:** Lean Tools & Concepts for Just in Time Implementation **Room B304**	**NEW!** 🟪 **F610:** Lean Tools for Implementation & Best Practices to Improve Job Shop **Room B304**	
MANAGEMENT	🟪 **F78:** Strategic Planning for Growth & Creating a "Gotta Have" Company **Room B308**	🟩 **F79:** Create Cultures of Innovation and Accountability **Room B308**	**NEW!** 🟪 **F710:** Using Emotional Intelligence to Transform You & Your Business **Room B308**	
MARKETING & SALES		🟪 **F89:** Getting the Most of Your Website & Digital Ads **Room B315**	**NEW!** 🟪 **F810:** It's Just Business: International Differences in Sales Expectations **Room B315**	**NEW!** 🟪 **F811:** Building, Selecting & Developing the "Right" Sales Organization in Today's "Digital" Marketplace **Room B315**
SMART MFG	**NEW!** 🟪 **F118:** Protect Your Production Line: How to Keep a Cyber Attack from Bringing Business to a Halt **Room B303**	**NEW!** 🟪 **F119:** Digital Supply Networks & Steps for Securing Your Shop Against Cybersecurity Threats **Room B303**	**NEW!** 🟪 **F110:** Using Software & Hardware to Empower Smarter Decisions for Fabricators **Room B303**	
WORKFORCE DEVELOPMENT	**NEW!** 🟪 **F218:** Prioritize Your People: Building a Culture to Help You Grow, Maximize Profits **Room B312**		**NEW!** 🟪 **F210:** Women Who Lead: Activating the Power Within **Room B312**	

WELDING	**W9:** Stainless Steel Fabrications Do's & Don'ts, and Why Not(s) **Room C207**	8:00 AM – 3:00 PM

EXPERIENCE LEVELS

Use this key along with the Schedule-at-a-Glance to find the education level that meets your needs.

🟩 **Basic** – Recommended for the attendee who is new to the industry or needs a refresher on the topic.

🟪 **Intermediate** – Designed for the attendee who already has a basic understanding of the subject matter.

🟪 **Advanced** – For the attendee with several years of experience who is seeking more in-depth information.

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🟩 **Basic**   🟪 **Intermediate**   🟪 **Advanced**