

SMWC XXI

ADVANCES IN AUTOMOTIVE WELDING & JOINING CONFERENCE

November 3-5, 2026

Sheraton Detroit Novi, Novi MI

Smarter Welding for an Evolving Industry



REGISTRATION



American Welding Society®

DETROIT SECTION

MORE INFORMATION

E-mail: DetroitSMWC@awssections.org

SMWC XXI - CONFERENCE AGENDA (DAY 1)

7:30 - 8:30	Registration / Continental Breakfast	
8:30 - 9:15	Opening Keynote Session - Future Factory Joining Technology	
9:15 - 9:30	Break / Networking	
9:30 - 11:30	2A AI Weld Quality (4 Presentations)	2B EV Battery Joining (4 Presentations)
11:30 - 12:20	Lunch	
12:20 - 1:00	Keynote Session - Resistance Welding Controls - State of the Art	
1:00 - 1:15	Break / Networking	
1:15 - 3:15	3A 3rd-Gen Steel Resistance Spot Welding (4 Presentations)	3B Advanced Joining Technology (4 Presentations)
3:15 - 3:30	Break / Networking	
3:30 - 5:00	4A Steel Resistance Spot Welding (3 Presentations)	4B Arc Welding (3 Presentations)

SMWC XXI - CONFERENCE AGENDA (DAY 2)

7:30 - 8:30	Registration / Continental Breakfast	
8:30 - 9:15	Opening Keynote Session - Economic and Technology Trends in the Automotive Industry	
9:15 - 9:30	Break / Networking	
9:30 - 11:30	5A Welding Digital Twin & Simulation (4 Presentations)	5B Laser Welding (4 Presentations)
11:30 - 12:30	Lunch and Vendor Exhibits	
12:30 - 2:30	6A Giga-casting Aluminum Joining (4 Presentations)	6B Tutorial (2 Sessions - Laser/Arc Welding & NDT)
2:30-2:45	Break / Networking	
2:45 - 3:45	7A AI Weld Inspection (2 Presentations)	7B Tutorial (1 Session - Welding Metallurgy)
4:00-7:00	Vendor Display Event <i>Free Admission to the Welding Community</i>	

SMWC XXI - CONFERENCE AGENDA (DAY 3)

7:30 - 8:00	Registration / Continental Breakfast	
8:00 - 10:00	8A Alternative Joining (4 Presentations)	8B Advanced Weld Equipment (4 Presentations)
10:00 - 10:15	Break / Networking	
10:15 - 11:45	9A Non-Destructive Weld Testing (3 Presentations)	9B Hybrid Joining (3 Presentations)
11:45 - 12:00	Final Comments & Open Q&A	