



34th Forging Industry Technical Conference
MAY 19-20, 2026
Macomb Community College
14500 12 Mile Rd, Warren, MI 48088

Tuesday, May 19, 2026

7:30 a.m.	Registration Open	Upper/West Lobby
8:00 a.m.	Breakfast	K301 & Upper/West Lobby
8:30 a.m.	DAUCH Corporation Presentation	K301
9:30 a.m.	Group 1 Depart for DAUCH Corporation 18450 15 Mile Rd, Fraser, MI 48026	
9:45 a.m.	Group 2 Depart for Depart for DAUCH Corporation	
10:00 a.m.	Group 3 Depart for DAUCH Corporation	
10:15 a.m.	Group 4 Depart for DAUCH Corporation	
12:00 p.m.	Lunch & Table Tops Open	K301 & Upper/West Lobby
1:00 p.m.	General Session Begins Welcome / FIA & FIERF Update	K301
1:30 p.m.	How to Partner Through DOD Programs	
2:15 p.m.	Table Tops Open	Upper/West Lobby
3:15 p.m.	Comparing Effects of Induction and Radiant Heating on Microstructure Evolution <i>Victoria Miller, University of Florida</i>	
4:00 p.m.	Adjourn Day 1	
5:00 p.m.	Welcome Reception & Networking	K301 & Upper/West Lobby

Wednesday, May 20, 2026

7:30 a.m. Registration Open **Upper/West Lobby**

7:30 a.m. Breakfast **K301**
 Table Tops Open **Upper/West Lobby**

K301: Track A | K316 – Lake Huron: Track B

8:00 a.m. A Hybrid Additive–Forging Approach for Low
 Volume Forging Applications **K301**
 James Elder, Cleveland State University

 Beyond Average Grain Size: High-Fidelity **K316 – Lake Huron**
 Microstructural Simulation Across the Forging
 Chain
 Albert Ostlind, Transvalor Americas

8:35 a.m. Linking Stress Relaxation and Heat-Checking **K301**
 Resistance in Open-Die Forge Tooling
 Daniel Branagan, Michigan Technological
 University

 Application of AI Machine Learning Methods **K316 – Lake Huron**
 Toward Forging Process Simulation
 James Miller, Scientific Forming Technologies Corp.

9:10 a.m. Methodology to Evaluate Relative Heat **K301**
 Checking Resistance of Open-Die Forge Tooling
 Jack Schaller, Michigan Technological University

 Investigation of Anti-Scale High-Temperature **K316 – Lake Huron**
 Coatings for Forging Steel Alloys
 Amit Choudhari, Cleveland State University

9:45 a.m. Table Tops Open **Upper/West Lobby**

10:30 a.m.	Design of a Micro-scale Forging Machine for Rapid Assessment of Additive Manufactured Coatings for Die Repair <i>Tori Edsall, University of North Texas</i>	K301
	Forging Industry Equipment Lifecycle Extension <i>Peter Campbell, Campbell Press Repair</i>	K316 – Lake Huron
11:05 a.m.	Methodology for Assessing Muscle Shoulder Muscle Fatigue <i>Brian Davis, Cleveland State University</i>	K301
	Transforming Forging Die Repair with Direct Energy Deposition: Reducing Downtime and Extending Die Life <i>Akash Belure, Cleveland State University</i>	K316 – Lake Huron
11:40 a.m.	Lunch Table Tops Open	K301 Upper/West Lobby
12:40 p.m.	How to Engage with Your Local High School <i>Panel: Brian Quarrier, The Putney School, Daniel Mulvihill, La Jolla Country Day School, Scott Davidson, Decatur Public Schools</i>	K301
1:25 p.m.	Preform Design for Flashless 3D Forging via Material Point Backtracking and Finite Element Simulations <i>Gracious Ngaile, North Carolina State University</i>	K301
2:10 p.m.	Break & Table Tops Open	Upper/West Lobby
2:55 p.m.	Selection and Evaluation of Die Materials for High Sliding/High Pressure Forging and Forming <i>Terry Lowe, Colorado School of Mines</i>	K301
3:40 p.m.	Adjourn Conference	