



2023 HTEC National Conference Agenda



2023 Conference Slogan "Old School Skills & New School Thrills"

Monday, July 24, 2023

NOTE: Daily Transportation Not Provided from Conference Hotel to PEAK Innovation Center on Monday

8:00 AM	11:00 AM	HTEC Partner Exhibit Setup	PEAK Main Lobby
11:00 AM	12:00 PM	HTEC Attendee Registration	PEAK Main Lobby
Gold Sponsor Partner Workshops Session I			
12:00 PM	1:55 PM	Mastercam	1207
		Autodesk	1206
		Mitutoyo	1202
		Renishaw	1203
		Qual Chem	1310
		Mark Forged	1320
		Phillips EDM	1404
		Haas Tooling	1401
2:00 PM	2:25 PM	Bathroom Break & Switch Sessions	PEAK Main Lobby
Gold Sponsor Partner Workshops Session II			
2:30 PM	4:25 PM	Mastercam	1207
		Autodesk	1206
		Mitutoyo	1202
		Renishaw	1203
		Qual Chem	1310
		Mark Forged	1320
		Phillips EDM	1404
		Haas Tooling	1401
6:00 PM	8:00 PM	Welcome Reception at Wyndham	Wyndham Ballroom



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Tuesday, July 25, 2023

NOTE: Daily Transportation Will Be Provided from Conference Hotel to PEAK Innovation Center

7:30 AM	7:55 AM	Registration, Breakfast & Partner Exhibits	PEAK Main Lobby
8:00 AM	9:25 AM	Opening Remarks, Keynote Andrew Crowe - Champion of Champions: Re-Igniting the Flame of the Backbone of America Foundation Kathy Looman Gene Haas	Auditorium
9:30 AM	9:55 AM	Bathroom Break	Restrooms
10:00 AM	10:55 AM	HTEC 101 - An Introduction to HTEC	1206
		Demonstrating CAM to First Article Inspection at the NJIT Makerspace	1203
		Introductory Machining Projects Desktop Rocket Assembly	1207
		Haas Applications Engineering Session: New Teacher Training	1401
		Haas Applications Engineering Session: Macro Programming	1404
11:00 AM	11:55 AM	The Firsts: Introductory/Beginners Projects for High School CNC	1206
		Edge Factor: HTEC Educator Showcase	1202
		Design and Manufacturing Processes for Junior High and High School Robotics	1207
		Haas Applications Engineering Session: Teaching Preparation for Robot Integration	1401
		Haas Applications Engineering Session: Advanced Probe Routines	1404
12:00 PM	12:55 PM	Gold Sponsor Intros, Lunch w/ Peers & Partners	Auditorium
1:00 PM	1:55 PM	Peer Groups: Secondary	1202 & 1203
		Peer Groups: 2-Yr Post-Secondary	1206 & 1207
		Peer Groups: 4-Yr Post-Secondary	1401
2:00 PM	2:55 PM	Geometric Dimensioning & Tolerancing (GD&T) vs. Metrology	1206
		Haas Teacher Training	1202
		How Did We Do It - Temescal Canyon HS Titan Engineering Academy	1207
		Haas Applications Engineering Session: New Teacher Training	1401
		Haas Applications Engineering Session: Macro Programming	1404
3:00 PM	3:55 PM	Advantages of Hindsight - What I Wish I Would Have Known when I Started Teaching	TBD
		Machining in Context - Utilizing Multiple Machining Processes in a Project	TBD
		Probing Strategies for Hybrid Manufacturing	TBD
		Haas Applications Engineering Session: Teaching Preparation for Robot Integration	1401
		Haas Applications Engineering Session: Advanced Probe Routines	1404
4:00 PM	5:00 PM	Partner Exhibits + Machine Shop Demos + Travel Back to Hotel	PEAK Main Lobby
6:00 PM	9:00 PM	HTEC Conference Dinner with #41 Nascar Driver Ryan Preece & Edge Factor CNC Educator Awards	The Bakery District



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Wednesday, July 26, 2023

NOTE: Daily Transportation Will Be Provided from Conference Hotel to PEAK Innovation Center

7:30 AM	7:55 AM	Breakfast & Partner Exhibits	PEAK Main Lobby
8:00 AM	8:20 AM	Day At-A-Glance + Additional Intros	Auditorium
8:30 AM	9:55 AM	Peer Groups: Secondary	1202 & 1203
		Peer Groups: 2-Yr Post-Secondary	1206 & 1207
		Peer Groups: 4-Yr Post-Secondary	1401
10:00 AM	10:55 AM	Build Your Own Dovetail Vise	1206
		How to use HAAS's "9 Lines of Code" to drive a CNC programming Camp	1207
		Get an NSF Mentor and Secure Your First Federal NSF Grant	1202
		Haas Applications Engineering Session: New Teacher Training	1401
		Haas Applications Engineering Session: Macro Programming	1404
11:00 AM	11:55 AM	Machining Projects with SolidWorks as a Tool	1206
		Bringing Equitable Invention & IP Education to your Students	1202
		Machining, Freedom, and Prosperity	1207
		ACE CNC Macining Training Program	1203
		Haas Applications Engineering Session: Teaching Preperation for Robot Integration	1401
12:00 PM	12:55 PM	HTEC 2024 Teaser / HTEC 2025 Bids & HTEC Council Nominations	Auditorium
		Lunch w/ Peers & Partners	
1:00 PM	1:55 PM	How to Initiate CNC Education within the Technical College or High School	1202
		SolidWorks Drawings for Machining	1206
		Turn Key UMC 500 Projects in Fusion 360	1207
		Haas Applications Engineering Session: New Teacher Training	1401
		Haas Applications Engineering Session: Macro Programming	1404
2:00 PM	4:30 PM	Machine Shop Demos & Partner Exhibits	1300
2:00 PM	5:00 PM	Industry Tour(s): Mars Petcare, Graphic Packaging, Owens Corning, Pernod Ricard, Rheem, & ABB	Board Busses for Tours
5:00 PM		Open Night to Network with HTEC Members & HTEC Council Dinner	Fort Smith Downtown!



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Thursday, July 27, 2023

NOTE: Daily Transportation Will Be Provided from Conference Hotel to PEAK Innovation Center

7:30 AM	7:55 AM	Breakfast & Partner Exhibits	PEAK Main Lobby
8:00 AM	8:25 AM	Day At-A-Glance	Auditorium
8:30 AM	9:55 AM	Peer Groups: Secondary	1202 & 1203
		Peer Groups: 2-Yr Post-Secondary	1206 & 1207
		Peer Groups: 4-Yr Post-Secondary	1401
10:00 AM	10:55 AM	Calypso Inspection for Machined Parts	1206
		Machining Projects for New CNC Instructors	1202
		CNC Machining Custom Foundry Patterns for Sand Casting using Mastercam Art	1203
		Destination Project MFG—How to Organize, Coach, and Win at Project MFG	1207
		Haas Applications Engineering Session: Teaching Preparation for Robot Integration	1401
		Haas Applications Engineering Session: Advanced Probe Routines	1404
11:00 AM	11:25 AM	Haas Automation & Education Presentation	Auditorium
11:30 AM	12:25 PM	Working Lunch + Business Meeting: 2024 Council & 2025 Host	Auditorium
12:30 PM	1:00 PM	Closing Remarks & Educator Raffle	Auditorium

Thank You to Our Raffle Sponsors