

**NORTH AMERICAN HAAS TECHNICAL EDUCATION CENTER (HTEC)**  
**FOURTH ANNUAL CNC EDUCATOR'S CONFERENCE**  
 JOHN LEWIS CENTER – K BUILDING - [MACOMB COMMUNITY COLLEGE](http://www.macomb.edu)  
 WARREN, MICHIGAN - JULY 13 - 15, 2010

**TUESDAY, JULY 13, 2010**

<b>Time</b>	<b>Event</b>	<b>Represented by</b>	<b>Location</b>
7:00 - 8:00	Registration & Cont. Breakfast	HTEC Committee	K Bldg, 2 <sup>nd</sup> floor
8:00 - 8:45	<b>Welcome &amp; Introductions</b>	Paul Hill, HTEC Pres; Council Bob Skodzinsky, HTEC Manager Attendee Introductions Host HFO Gerotech; Gary Walters, Welcome to MCC; Logistics Presenters: Describe today's breakout sessions	K-301, 2 <sup>nd</sup> floor
8:45 - 9:45	<b>Keynote address</b>	<b>Dr. Jim Jacobs, President</b> <b>Macomb Community College</b>	K-301, 2 <sup>nd</sup> floor
9:45 - 10:00	Break		
10:00-10:45	<b>Wind Energy &amp; Workforce Prerequisites</b>	<b>Guest Speaker Jeff Metts,</b> <b>President, Dowding Machining</b> <a href="http://www.dowdingmachining.com/">http://www.dowdingmachining.com/</a>	K-301, 2 <sup>nd</sup> floor
10:45-11:30	<b>Business Meeting</b> - Old and New business - I-CAT: Train the Trainer Program, Doug Bowman, VU - Election procedure for 2010-11 Council - Confirm 5 <sup>th</sup> Conference in Arizona in 2011 - Selection procedure for 6th Annual Conference site in 2012	Paul Hill	K-301, 2 <sup>nd</sup> floor
11:30-1:00	<b>LUNCH</b>		K- Patio/Cafeteria
11:30-5:30	HTEC Partner Displays, Networking		Atrium
<b>1:00 - 2:30</b>	<b>Breakout Sessions 1 to 6</b>		
	1. Petaluma High School, CA Mount Pleasant Area Tech Center, MI	Dan Sunia Paul Driggers	K-307
	2. Universities Safety Programs, Lab Management, CNC Education for Engineers	Sam Chiappone, RPI Danny White/Eric Holloway, Purdue David Brock, Ferris State	K-311
	3. Shoprat Create Interest & Retain Students	Chris Salow/Amanda Proctor	K-317
	4. Standardized Setups, Palletization  - Macomb Case Study,	Burns/Kaczmarek (Belmont) Haas Lab, T-137 Tom Swihart, Erowa Gary Walters, Macomb College	
	5. Micro Milling, Cimatron	Ralph Picklo	K-345
	6. <b>Extreme Machining, Iscar &amp; Mastercam</b>	Steinard, Conigliaro	<b>T-131, Haas Lab</b>
2:30 - 4:00	Repeat of Breakout Sessions 1 to 6	Same as above	Same as above
4:00 - 5:30	Break to change clothes		
<b>5:30 - 5:50</b>	<b>Board busses to Detroit (Business Casual)</b>		K- Parking Lot
7:00 - 10:00	<b>Detroit Princess Dinner Cruise</b>	<b>All members &amp; guests</b>	<b>Detroit</b>

>> **LEGEND:** **Video Streamed Live** **Video Recorded**

**WEDNESDAY, JULY 14, 2010**

<b>Time</b>	<b>Event</b>	<b>Represented by</b>	<b>Location</b>
7:00 – 8:00	Continental Breakfast		K Bldg, 2 <sup>nd</sup> floor
7:00 – 12:00	School Displays, HTEC Partner Displays		Atrium
8:00 – 8:30	Nominations for new Committee Council Presenters: Describe today's breakout sessions		K-301 South
<b>8:30 - 10:00</b>	<b>Breakout Sessions 7 to 12</b>		
	7. Impact of Micromist in CNC Machining	W.Hung/Texas A&M	K-317
	8. <b>In-Process Probing &amp; Inspection, ATT</b>	<b>Chris Affer</b>	<b>T-131, Haas Lab</b>
	9. CNC & Mastercam Certification, Immersive	Chris Bien	K-351
	10. Tool Selection, Theory of Eff. Metal Cutting	J Mitchell/Sandvik	K-345
	11. Knife Making Project, Capital High School	Jim Weber	K-307
	12. OPEN		K-311
<b>10:00 – 11:30</b>	<b>Repeat of Breakout Sessions 7 to 12</b>		Same as above
11:30 – 12:00	Elections for 2011 Committee		K-316
12:00 – 1:00	LUNCH		K-301
1:00 – 1:15	Board busses to GM Tech Center ( <i>travel light!</i> )		K- Parking Lot
1:30 – 4:30	<b>General Motors Tech Center Tour</b> Welcome & Overview; Battery Lab, Virtual Reality Lab, Haas Lab		GM Tech, Warren
4:30 – 5:00	Board busses & travel four miles north to <b>GM Heritage Center</b>		
5:00 – 7:00	Welcome & Overview  Hors D'oeuvres and tour of the GM Heritage Center		Heritage Center, Sterling Heights
7:00 – 7:30	Board busses & return to Macomb College Parking Lot		
7:30 -	Dinner for current HTEC Council Members		TBA
<b>OPEN</b>	<b>Dinner is OPEN for Attendees &amp; Exhibitors</b>		<b>OPEN</b>

**THURSDAY, JULY 15, 2010**

<b>Time</b>	<b>Event</b>	<b>Represented by</b>	<b>Location</b>
7:00 – 8:00	Continental Breakfast		K Bldg, 2 <sup>nd</sup> floor
8:00 – 8:30	Business Meeting & Voting Results	All	K-301 South
8:30 - 9:00	<b>Educational Resources</b>	Partners	K-301
9:00 - 10:00	<b>Open Forums:</b> High Schools Community Colleges/Technical Schools Universities	High Schools CC/Tech Schools Universities	K-311 K-316 K-307
10:00 – 10:30	Open Forum Reports & Wrap-up	All	K-301 South
10:30 – 11:15	“Preparing the Next American Manufacturing Workforce” <a href="http://www.acteonline.org/tech_march10.manufacturing.html">http://www.acteonline.org/tech_march10.manufacturing.html</a> <a href="http://www.acteonline.org/uploadedFiles/Publications_and_E-Media/files/files-techniques-2010/Theme_4%282%29.pdf">http://www.acteonline.org/uploadedFiles/Publications_and_E-Media/files/files-techniques-2010/Theme_4%282%29.pdf</a> Youth Programs: Video <a href="http://www.sme.org/cgi-bin/smeefhtml.pl?/foundation/about.htm&amp;&amp;&amp;SEF">http://www.sme.org/cgi-bin/smeefhtml.pl?/foundation/about.htm&amp;&amp;&amp;SEF</a>	Bart Aslin, SME	K-301 South
11:30 – 12:30	LUNCH		K-301
12:30-12:45	Board busses to TARDEC <b>Need U.S. driver license to board busses;</b> Security checks will be performed prior to entering the base. Don’t bring anything extra to leave on the bus. We’ll provide bottled water during the tour and we’ll have a break during the tour. It may be hot and humid, so dress light. <b>NOTE:</b> Dress is business casual and shop safe. We’ll provide safety glasses at the tour.		K- Parking Lot
1:00	Arrive at TARDEC and pass through security		
1:30 – 4:30	<b>US Army TARDEC Tour</b> Tank Automotive Research, Development, and Engineering Center (TARDEC) <a href="http://tardec.army.mil/">http://tardec.army.mil/</a> We’ll begin in the Auditorium for an overview. Then we’ll divide into groups of 25 and tour the following departments. Time permitting, we’ll gather in the auditorium to wrap up before boarding the busses to return to the college. 1) Modeling and Simulation , Testing, & Validation (MSTV): Vehicle & Soldier 2) Force Projection Technology (ground fuels, water quality, counter IED) 3) Power & Energy (Heat Lab & Engine Dyno) 4) Robotic Systems (unmanned vehicles capable of engaging & destroying threats) 5) Prototype Integration Facility (Haas CNC Lab)		Warren
4:30 – 5:00	Board busses and return to Macomb College		

**Have a Safe Trip Home!**

**See you at Arizona State University & Gateway Community College in 2011**