



Columbus Technical Societies

Meeting Announcement

Speaker: Matt Robinson, Caterpillar

When: Wednesday October 21, 2009

Where: Arlington Banquets, 1973 Henderson Road, Columbus, OH 43220
(In the shopping center, next to Kroger)

Schedule: Social 6:00pm / Dinner 6:30pm / Presentation 7:15pm

Cost: Member or Guest: \$20, Students \$10

Topic: Development of the D7E Electric Drive Tractor

Abstract: The D7E replaces previous driveshaft transmission design with a hybrid diesel-electric drive train that includes a generator, electric motors and power electronics. There are no friction clutches, no driveshaft, no engine belts, and fewer moving parts which results in less power loss and more efficient transfer of engine power to the ground. Compared with other machines in its class, the D7E consumes 10 to 30% less fuel, moves 10% more material per hour, and increases overall efficiency by 25% in material moved per unit of fuel. Design and manufacturing achievements of the D7E will be presented.

Biography: Matt Robinson is Welding Engineer and Automation Team Leader in Advanced Production Technologies at Caterpillar in Peoria, IL. Matt holds a BS in Welding Engineering from the Ohio State University.

RSVP: For reservations, please contact AWS Columbus Section Secretary Brian Victor by Friday 10/16/09. All reservations are final on 10/19 and payment will be required. Please be prepared to pay cash or check at the door (checks payable to: AWS Columbus Section).

To RSVP, please contact:

Brian Victor

AWS Columbus Section Secretary

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