

Attend a one-day conference hosted by
SUNNEN & MAHLE Clevite

FEBRUARY 25, 2012 • CITRUS COMMUNITY COLLEGE, GLENDORA, CA

**REGISTER
TODAY!**
LIMITED
ATTENDANCE

TECH & SKILLS REGIONAL CONFERENCE

All shops welcome!

NEED NOT BE AN AERA MEMBER TO ATTEND.

**All attendees receive a FREE 90-day AERA membership and a
FREE Failure Analysis Manual — plus many door prizes from several vendors!**

SPONSORED BY:



engine
professional

500 COVENTRY LANE, SUITE 180, CRYSTAL LAKE, IL 60014

TECH & SKILLS REGIONAL CONFERENCE

**THIS ONE-DAY
CONFERENCE IS
DESIGNED TO BRING
THE TECHNICAL
PORTION OF AN AERA
CONVENTION TO YOUR
REGION OF THE
COUNTRY, SAVING YOU
LONG TRAVEL TIMES
AND EXPENSES.**

Why attend?

Everyone owes it to themselves and their business to gain knowledge and network with other people within the same industry. AERA understands that traveling to national trade shows to gain this knowledge and networking opportunities is very expensive. Therefore, AERA has decided to help by teaming up with a regional host and offer these opportunities to different regions of our country and hopefully closer to your shop.

Along with the outlined technical programs, AERA is inviting leading manufacturers of engine building/rebuilding tools, supplies, services, parts and machinery to attend this conference. These suppliers will have table-top displays that will be accessible all day long. Meeting these suppliers in a relaxed atmosphere is a great way to begin lifelong relationships that will help you prosper.

**REGISTER TODAY:
888-326-2372**

Schedule of Events • February 25, 2012

7:00 - 7:30 am	EXHIBITOR SET-UP	
7:30 - 8:45 am	VISIT EXHIBITORS	
8:45 - 9:00 am	HOST AND EXHIBITOR INTRODUCTION	
9:00 - 10:15 am	TECHNICAL SESSION #1 Presented by Bob Dolder, Sunnen	
	<i>Bob Dolder's presentation entitled, "An Inside Look At Honing Different Cylinder Coatings and Materials on Engine Blocks Today," will cover a wide range of honing applications from NASCAR engines to street engines and everything in between. Other topics include — secrets for honing Nickasil, high nickel cast iron, compacted graphite blocks, the new aluminum Corvette block, Sulzer Metco coatings, bore geometry, surface finish, cross hatch angle, the pros and cons of diamond abrasives vs. conventional abrasives, water based vs. oil based coolants, hot honing and where it is used today. To conclude the presentation there will be an open discussion on honing of all appropriate parts of the internal combustion engine. Whether you are new to the business or an old pro, this honing presentation is really too good to miss!</i>	
10:15 - 10:30 am	MORNING BREAK	
10:30 - 11:45 am	TECHNICAL SESSION #2 Presented by Steve Fox, AERA	
	<i>"PRO-SIS SA Engine Specification Software"</i> <i>Steve Fox will introduce you to PRO-SIS SA engine specification software. This new and improved version of PRO-SIS will now allow you to search for engines, specs and bulletins more effectively and efficiently. A new "Special Search" section (Rod Housing Bore, Part, and Bore Size) is just one of many new features which will be demonstrated in this session.</i>	
11:45 am - 1:30 pm	LUNCH & VISIT EXHIBITORS (Meal provided on-site by the host.)	
1:30 - 2:45 pm	TECHNICAL SESSION #3 Presented by Bill McKnight, MAHLE Clevite	
	<i>"Race Engine Bearings – Selection & Technology"</i> <i>We'll look at bearing film thickness and how clearances influence it. We learn about crush, parting line relief and eccentricity. Coatings, overlay materials and bearing prep will also be discussed. Finally, we'll talk about installation and how to identify different factors that can cause bearing distress. The attendees will be encouraged to ask questions and may bring used bearings to the presentation for analysis.</i>	
2:45 - 3:00 pm	AFTERNOON BREAK	
3:00 - 4:15 pm	TECHNICAL SESSION #4 Presented by Dave Capitolo, De Anza Community College	
	<i>"Engine Analytics"</i> <i>Aftermarket scanners are valuable tools, but understanding the data is critical. Dave Capitolo from De Anza Community College helps explain what scanners can tell you and how not to make the mistake of heading down the wrong path of repair. Ford misfire diagnostics and GM distributor problems will be discussed. Also, he will cover running compression tests using a pressure transducer and lab scope, and the value they have.</i>	

Accommodations

- **BEST WESTERN PLUS Route 66 Glendora Inn:** (626) 335-2817
625 E Route 66, Glendora, CA 91740-3508

Conference Updates

Up-to-the minute details will be available on the AERA website:
www.aera.org

SPONSORED BY AERA & *ENGINE PROFESSIONAL* MAGAZINE
HOSTED BY:



WHEN: FEBRUARY 25, 2012
WHERE: CITRUS COMMUNITY COLLEGE
1000 WEST FOOTHILL BLVD.
GLEN DORA, CA 91741

ATTENDEE REGISTRATION FORM

NAME

COMPANY NAME

AERA ID NUMBER

NON-MEMBERS PLEASE CHECK HERE.

COMPANY ADDRESS

CITY, STATE, ZIP

PHONE

E-MAIL OR FAX CONFIRMATION (REQUIRED)

SIGNED BY

FEES: \$25 per person (Please list additional names below.)

TOTAL AMOUNT ENCLOSED:

CHECK — PLEASE MAKE PAYABLE TO AERA.

CREDIT CARD: VISA MASTERCARD AMERICAN EXPRESS

CARD NUMBER:

EXPIRATION:

CARDHOLDER NAME:

CARDHOLDER SIGNATURE:



If paying by credit card, please fax completed registration form to AERA

toll-free fax 888-329-2372

Or, **mail** your completed form with payment to: AERA-Engine Builders Association, 500 Coventry Lane, Suite 180, Crystal Lake, IL 60014.
Call AERA toll-free if you have any questions: 888-326-2372 or direct at 815-526-7600.



FEB. 25, 2012

Citrus Community College
Glendora, CA

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WELCOME!**

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**VISIT OUR WEBSITE FOR
THE LATEST INFORMATION:**

www.aera.org

