



May 14, 2022 • REDONDO BEACH, CALIFORNIA



TECH & SKILLS REGIONAL CONFERENCES

All shops welcome!

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plus many door prizes from several vendors!

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AERA MEMBER SHOPS will receive a \$75 reimbursement from EREF
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Schedule – Saturday, May 14

7:00 - 8:00 am	EXHIBITOR SETUP	
8:00 - 9:00 am	COFFEE AND ROLLS, VISIT EXHIBITORS	
9:00 - 9:15 am	WELCOME; HOST & EXHIBITOR INTRODUCTION	
9:15 - 10:15 am	TECHNICAL SESSION #1 WITH Q&A Alex Gonzalez, RaceTec Pistons <i>“Solutions to Modern Piston Demands”</i>	
<p>Modern piston demands require modern solutions. RaceTec has diversified their product lines with new piston offerings to meet changes in piston demand. RaceTec’s warehouse business operations are changing their focus to increase production and output. New management and leadership at RaceTec are moving full steam ahead, taking the company to the next level.</p>		
10:15 - 10:45 am	BREAK, VISIT EXHIBITORS	
10:45 - 11:45 am	TECHNICAL SESSION #2 WITH Q&A Lake Speed Jr, Total Seal Piston Rings <i>“What’s Changed and Why?”</i> <i>The Evolution of Piston Rings and Cylinder Honing”</i>	
<p>The advent of thinner, steel piston rings and metric size ring sets impacts more than just the pistons. Specific cylinder bore surface finishes are needed to unlock the full potential of these high performance piston rings. This seminar will reveal the details behind the changes in piston ring materials and sizes before diving into the specifics of cylinder bore surface finish. We will even discuss the honing techniques for producing these surface finishes.</p>		
11:45 am - 1:15 pm	LUNCH (meal provided on site by the host) TABLE TOP EXHIBITS OPEN SHOP TOURS	
1:15 - 2:15 pm	TECHNICAL SESSION #3 WITH Q&A Tom Lieb, Scat <i>“Flat-Plane Crankshafts vs. Cross-Plane Crankshafts”</i>	
<p>Tom Lieb started SCAT in his parent’s garage in the early 1960s and has built it into one of the premier manufacturers of engine components in the automotive aftermarket. Very few companies in the industry can attest to having original ownership and the entrepreneurial spirit that has SCAT at the forefront of the industry today. Tom, with his over 50 years of experience, will discuss the pros and cons of each crankshaft. In what applications should a Flat-Plane versus a Cross-Plane be considered. What materials and manufacturing processes need to be used to produce a reliable component that can endure the rigors of competition.</p>		
2:15 - 2:45 pm	BREAK, VISIT EXHIBITORS	
2:45 - 3:45 pm	TECHNICAL SESSION #4 WITH Q&A Chris Sperling, AFR Cylinder Heads <i>“Modern Cylinder Head Design and Technology”</i>	
<p>This presentation will discuss how modern technology has changed the way performance cylinder heads are designed and manufactured. We will be looking at the benefits of using CFD, FEA and CAD to develop products that meet the requirements of today’s racers.</p>		
3:45 - 4:45 pm	ROUND TABLE DISCUSSION WITH PRESENTERS FOR FINAL QUESTIONS	
4:45 - 5:00 pm	ACKNOWLEDGEMENTS AND DOOR PRIZES	



Accommodations

DOUBLETREE BY HILTON TORRANCE - SOUTH BAY
21333 Hawthorne Blvd
Torrance, California, 90503
Phone: (310) 540-0500

THE REDONDO BEACH HOTEL
400 N. Harbor Drive
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CROWNE PLAZA REDONDO BEACH AND MARINA
300 N. Harbor Drive
Redondo Beach, CA 90277
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Shipping Address for Exhibitors

SCAT
ATTN: AERA Conference
1400 Kingsdale Ave
Redondo Beach, CA 90278
310-370-5501

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HOSTED BY:



WHEN: MAY 14, 2022

WHERE: **SCAT ENTERPRISES**

1400 KINGSDALE AVE, REDONDO BEACH, CA 90278

(310) 370-5501 www.scatenterprises.com

Register online at www.aera.org/scat

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 attendee names from the same company below.

TOTAL AMOUNT ENCLOSED: _____

CHECK – PLEASE MAKE PAYABLE TO AERA.

CREDIT CARD: VISA MASTERCARD DISCOVER AMERICAN EXPRESS _____

CARD NUMBER: _____ EXPIRATION: _____ CSC: _____

CARDHOLDER NAME: _____

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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, 875 Feinberg Court, Suite 106, Cary, IL 60013.
Call AERA toll-free if you have any questions: 888-326-2372 or direct at 815-526-7600.



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REDONDO BEACH, CA

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NEED NOT BE AN
AERA MEMBER TO ATTEND

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

aera.org/scat



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