



ASME International

San Diego Section
American Society of Mechanical Engineers

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www.asme.org/sections/sd

INDY CAR RACING AND THE EFFECTS OF AERODYNAMICS ON THE CAR

Mr. Arthur W. Ebeling, Distinguished Lecturer and an ASME Fellow, will discuss "Indy Car Racing and the Effects of Aerodynamics on the Car" as part of the 2002-03 Distinguished Lecturers Program. Mr. Ebeling has compiled information on Indy cars for nearly a half century, covering development and changes to the sport. Art has been involved at various levels in racing spanning from professional to student competition. Mr. Ebeling will review the history of Indy racing from 1911 to include drive systems, engines, wings, tires, suspension, wind tunnel testing, and safety concerns.

Mr. Ebeling holds a BS degree from Rose Hulman Institute and has very broad experience in industry, chemical, steel, foundry, and special metals. He is currently retired and Midwest Director Emeritus, having served in that position for 18 years.

This presentation is co-sponsored by the San Diego Sections of ASME International and SAE International.

Hope to see you there!

DETAILS, DETAILS

What: Distinguished Lecture: "Indy Car Racing and the Effects of Aerodynamics," Mr. Arthur Ebeling, ASME Fellow

When: Wednesday, January 29, 2003, 6-7 pm Social Hour, 7-9 pm Dinner/Program.

Where: Seven Seas Best Western, 411 Hotel Circle South

Cost: \$10 ASME and SAE students, \$15 ASME and SAE members, \$19 non-members

RSVP: York Lew, lewy@asme.org (preferred) or 619-696-2946. Please include status (student, member, or non-member) and dinner choice (chicken, roast beef, or vegetarian). Space is limited. Reply by Tuesday, January 21, 2003.



Message from the Chair

Happy New Year. Live Long and Prosper (yes, I am a Star Trek fan).

Our first meeting of the new year is planned for January 29 as described elsewhere in this newsletter. It will be a “networking” meeting. OK, it is really the traditional dinner meeting. In the past, attendance at such meetings in our Section has been hit or miss. One reason, I think, is that the emphasis has been placed on the wrong aspect of the meeting. I think we need to view these meetings as opportunities to establish a network for either career enhancement or job finding. With the economy still in the downturn, it is vital for all of us to have personal contacts and network because networking has been reported as the most effective avenue to find a new job. So please join us for the next networking meeting on January 29. This particular meeting is co-sponsored by the San Diego Section of SAE International (Society of Automotive Engineers) so networking opportunities are even greater. See you there.

Seminars: “Geometric Dimensioning and Tolerancing” “Fundamentals of Probabilistic Mechanical Design”

ASME Region IX is offering several one-day, low cost seminars designed to minimize time away from work or family. All seminars will be held from 9 am to 4 pm on Saturdays at Cal State University Fullerton. The fee is \$80 for ASME members, \$120 for non-members, and \$30 for ASME student members.

Geometric Dimensioning and Tolerancing will aim to take the mystery out of GD&T. The seminar is intended for mechanical designers, manufacturing engineers, and quality assurance engineers. The instructor is William S. Tandler, President of Multi Metrics, Inc.

The GD&T seminar is presented in four sections. The first section looks at the science of GD&T and how it works. Section two presents detailed definitions of the functional rules of the current standard and illustrates their application and usefulness. Section three investigates those tools and rules in the standard which fail to perform useful functions, and must therefore be avoided or used with great caution. Section four illustrates how to “encode” the function of each feature of a CAD model using Smart GD&T methods.

The GD&T seminar will be offered on Saturday, April 5, 2003.

A Probabilistic Mechanical Design seminar will be offered on Saturday, March 1, 2003.

For a registration form, or more information, or for additional locations, visit www.asme.org/regions/wro, or call 800-624-8002.

November Tours Report

A behind-the-scene tour of the Birch Aquarium was held on November 7 with over 25 in attendance. All gained an appreciation for the challenges of maintaining so many varieties of marine life. The "public" portion of the Aquarium was also made available for enjoyment.

A tour of Hamilton Sundstrand was held on November 14. Those that did not attend missed the opportunity to learn about very small turbojets for unmanned air vehicles.

Help Wanted

No, this is not the conventional help wanted ad. Our Section is trying to arrange a tour of the new Padres ballpark under construction. If you know of a contact, please forward the information to Doug Martin at DougL90317@aol.com. Thank you.

Water Voucher Incentive Program

Did you know that many water agencies in San Diego County participate in a rebate program for water conservation measures for Commercial / Industrial / Institutional customers? One program that qualifies for a \$500 rebate is the installation of cooling tower conductivity controllers. For more information and/or a voucher redeemable only at the time of equipment purchase, call the Voucher Processing Center at 800-986-4538.

LINKS

Here are several useful websites for ASME-San Diego Section members:

ASME San Diego Section: www.asme.org/sections/sd



ASME Region IX (California, Nevada, and Hawaii): www.asme.org/regions/regionix
ASME Western Field Office (Regions VIII, IX, and XII): www.asme.org/regions/wro
ASME International: www.asme.org

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Article C5.1.2

The following has been quoted from the constitution of the American Society of Mechanical Engineers, revised to October 1981:
C5.1.2: The provisions of the Constitution, and Bylaws and Policies and Procedures established by the Board of Governors of the Society shall govern the procedure of all components of the society but no action or obligation of such components shall be considered an action or obligation of the society as a whole. The provision shall be imprinted on any publication issued by such components.

DATED MATERIAL



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2003 CALENDAR

January 29	Indy Car Racing and the Effects of Aerodynamics on the Car, Mr. Arthur Ebeling, ASME Fellow and Distinguished Lecturer
February 21	National Engineers Week Banquet
March	Engineering Students Mentoring Night at SDSU
April 26	Family Activity: Water Rocket Launching
May	Awards Banquet at Tom Ham's Lighthouse
June	TBD

Monthly Executive Committee Meetings are typically held on the first Wednesday of the month from 5:30 pm to 6:30 pm at the Hamilton Sundstrand office. All members are invited to attend. Please do contact York Lew, (w) 619-696-2946 or lewy@asme.org, to confirm the date if you plan to attend or if you like to address the Executive Committee (because the building is secured and because the agenda is typically tight to keep the meeting duration to one hour).