

NOVEMBER 2002 MEETING

WHEN:

Thursday, November 21, 2002

SCHEDULE:

5:00 p.m. **Social Hour**
 6:00 p.m. **Dinner: eight entrée choices**
 7:00 p.m. **Speaker Presentation:**
Donn Best, Shultz Steel

WHERE:

[Rockin' Baja Lobster \(Old Town\)](#)

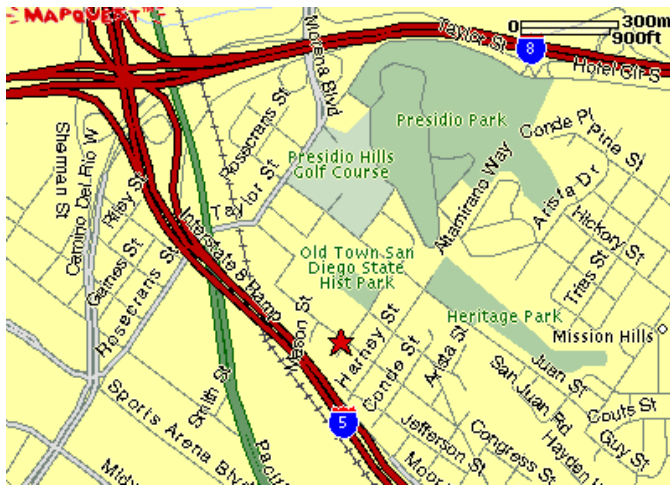
3890 Twiggs St.
 San Diego, CA 92110
 (619) 260-0305

COST:

ASM Members - \$15
 Non-members - \$20
 Students - \$10

TO REGISTER:

Call ASM Hotline at (619) 685-8848, or send an e-mail to sandiego@asmchapters.org by 11/18/02.



DONN BEST

SHULTZ STEEL COMPANY

PRESENTS:

Installation of 40,000 Ton-Press & Use of Computer Simulation to Develop Forging Processes for Discs

Abstract

The first half of the talk will be a time-lapse movie showing the installation of the world's newest heavy forging press. This movie shows the equipment installation over a period of 18 months, from the initial start of the building that houses the press to the first piece being forged on the press.

The second half of the talk will address the use of computer simulation to predict the required forces and corresponding die-fill of new discs and other critical parts. The simulation will show the final strain and temperature gradients within the part being forged. The information is then used to predict grain size and mechanical properties of the forging. Shultz Steel presently uses two different simulation packages, DEFORM and Superforge, and both have 3D capability

Bio

Since he received his BS in metallurgy from the University of Wisconsin-Milwaukee in 1972, Donn Best has been involved in supplying critical forgings to the Aerospace industry. Donn gained his expertise while working a several forge shops, including Ladish Co., Schlosser Forge Co., Viking Metallurgical, and Shultz Steel Co., where he is currently responsible for the metallurgical quality of turbine engine forgings. Donn's focus has been on nickel-base alloys throughout his career, which includes a patent on forging low-expansion superalloys for use in the hydrogen-rich environment of the Space Shuttle Main Engines.

60th Anniversary Year

The San Diego Chapter is celebrating it's 60th anniversary. A special anniversary meeting is planned for this February. The keynote speaker will be Dr. Gordon Geiger, past-President of ASM. Details will be announced soon. If you would like to share a story about the chapter or your chapter colleagues at the anniversary event, then please drop us a line at sandiego@asmchapters.org or leave a message on the Hotline at 619-685-8848.

NOTE FROM THE CHAPTER CHAIR:

As you may know, this year's Fall Education Series, Corrosion, was cancelled. Ron DiMelfi, Chapter Education Chair, had aligned a slate of world-class speakers, so the decision was particularly difficult. However, in light of the low enrollment, I thought it was the right decision. We may try to reschedule the seminar for April in place of the Spring Seminar, but only if we have sufficient interest. Please take a moment and provide us with some feedback (sandiego@asmchapters.org or 619-685-8848) on the topic, location, time, cost, etc. so we can better meet your needs and expectations. We look forward to hearing from you.

Dr. Rich Bellows, Chair

XXX SPOTLIGHT ON CHAPTER HISTORY XXX



Bob Stetson, chairperson of the San Diego Chapter, presents Charles Hilbert, founder and first Chairperson of the Chapter, a lifetime membership certificate at the Sands Hotel in San Diego on March 20, 1973.

Make plans to join Bob Stetson and the rest of the chapter for the 60th Anniversary in February 2003.

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