Technical Meeting, Tuesday, Sept. 17th Old Town Rockin’ Baja

“Case Histories in Metallurgical Failure Analysis” by Mark D. Bell, PE

This presentation will cover case histories in Metallurgical Failure Analysis and how the use of NDT, natural curiosity, problem solving skills and good writing have been important steps in the solution of problems in machinery, weldments, corrosion, structures and pipelines. Mr. Bell learned to read in Muleshoe, TX; a skill that has done him well in life and metallurgical failure analysis.

Mark Bell, PE, is a graduate of Cal Poly in Metallurgical Engineering, 1978. He was a sheet metal mechanic at Rohr from 1971 to 1972 and from 1980 to 1983 he was a Staff Metallurgist with Sundstrand in Denver, CO. In 1984 he created an upper division course on Weld Metallurgy, presented as a semester class at Michigan State. He has presented the 5-day ASM Seminars at Metals Park in Stainless Steels, Welding Inspection, and Met for The Non-Met. ASM has him travel for on-site presentations in Aluminum, Titanium, Corrosion, Met for the Non-met, Stainless Steels, Failure Analysis, Industrial Safety and Welding Inspection. He has taught AWS CWI Classes nationwide. He has been CWI with endorsements in D1.1, D1.5 and API 1104. He served on the Board of Directors for the AWS from 1992 to 2004. He has held Level III certifications in methods: MT, VT and PT in accordance with TC1A.

His San Diego consulting business is in failure analysis, welding, and corrosion as a consultant for industry and as expert in legal cases; has given expert testimony in Federal Trials. Mark has served as Chair for the San Diego Section of ASME for 4 years.

Time: Tuesday, Sept. 17th, 5:30 to 8:30 pm
Cost: ASM Members - $20.00, Non-Members $25.00, Students $10.00
Where: Rockin’ Baja, Old Town, 3890 Twiggs St, San Diego, CA 92110

Click to RSVP

Contact Bob Klug (619) 544-2334

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**“Stainless Steel”**

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<th>Course Outline</th>
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<td><strong>Thursday, Sept. 19th</strong></td>
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<tr>
<td>Introduction to Stainless Steels</td>
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<tr>
<td>Physical Metallurgy of Stainless Steels</td>
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<td>Properties of Austenitic Stainless Steels</td>
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<tr>
<td>Properties of Martensitic &amp; Ferritic Stainless Steels</td>
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<td><strong>Thursday, Sept. 26th</strong></td>
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<tr>
<td>Heat and Corrosion-Resistant Alloy Castings</td>
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<td>Properties of Precipitation-Hardening</td>
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<td>Stainless Steels at High Temperature</td>
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<td><strong>Thursday, Oct. 3rd</strong></td>
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<tr>
<td>Heat Treatment of Stainless Steels</td>
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<tr>
<td>Forging, Machining, Cleaning &amp; Finishing</td>
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<td>Cold Forming</td>
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<td>Deep Drawing</td>
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<td><strong>Thursday, Oct. 10th</strong></td>
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<td>Metallurgy of Welding</td>
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<td>Joining</td>
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<td>Corrosion of Metals</td>
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<td>Corrosion Resistance</td>
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The core of the course was developed by ASM International, and students will receive 3.0 CEU credits from ASM upon completion and a one-year membership to ASM International. A large binder covering the course notes and useful data is provided. The course is taught by several local speakers, who are knowledgeable, experienced, and active in the field who will present and supplement the lectures. Four chapters will be covered each evening, and homework will be required via the ASM International website.

**Specifics:** 5:30 to 9:00 pm at Solar Turbine Training Center, located at the corner of N. Harbor Dr. & Hawthorn St. Light supper & drinks will be provided.

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<tr>
<td>ASM Members</td>
<td>$625.00</td>
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<td>(Includes Sponsor Company Employees)</td>
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<tr>
<td>Non-Members</td>
<td>$725.00</td>
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<td>Fulltime Students</td>
<td>$400.00</td>
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Click to REGISTER: No later than Sept. 6th

Please use Registration Link or e-mail asmsandiego@gmail.com

Question / Comments: Rich Bellows (619) 237-8121
ASM San Diego Chapter

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See the last page of the newsletter for information about the San Diego Chapter Executive Committee and Job Postings.

ASM San Diego Chapter
Up-Coming Events

Sept./Oct. 2019
• Materials Course - Sept 19th to Oct 10th
Early to Mid Nov. 2019
• Past Chair Meeting – Details to Come

Southern California ASM District II Organizations

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<th>Chapters</th>
<th>Chair/Representative &amp; Link</th>
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<td>ASM District II</td>
<td>Dr. Khinlay Maung</td>
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| Los Angeles             | Mr. Andrew Kent
                       | www.asmiinternational.org/web/los-angeles-chapter                  |
| Orange Coast            | Dr. Amirhosein Khalajhedayati
                       | http://www.asmorangecoast.com                                      |
| San Fernando            | Eunice Lee
                       | www.asmiinternational.org/web/san-fernando-valley-chapter         |
| Santa Clara Valley      | Jason James
                       | www.asmiinternational.org/web/santa-clara-valley-chapter         |
| EDFAS Golden Gate       | Sandra Delgado
                       | www.asmiinternational.org/web/edfas-golden-gate-chapter           |

University Chapters – UC Irvine and UC Riverside

Local Professional Societies

SDCEC  www.new-sandiego.org
(San Diego County Engineering Council)

ASME  www.facebook.com/AsmeSanDiego
(American Society of Mechanical Engineers)

ASNT  www.sd-asnt.org
(American Society for Nondestructive Testing)

AWS  www.awssection.org/sandiego/index
(American Society of Welding Engineers)

ASCE  www.facebook.com/ASCESanDiego
(American Society of Civil Engineers)

SWE  www.swesandiego.org
(Society of Woman Engineers)

ASPE  www.aspesd.org
(American Society of Plumbing Engineers)

AIAA  www.aiaa-sd.org
(American Assoc. of Aeronautics & Astronautics)
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Have any questions, comments, or suggestions? Please write to the chapter at: ASMSanDiego@gmail.com

This is your chapter; let us know what we can do to improve it!

2019-20 Executive Committee
Left to right: Rachael Low, Kevin Woolworth, Mier Muller, Lana Rokhman, Jenna Ward, Rich Bellows, Bob Klug,
Missing: Jose Aurrecoechea, Ken Vecchio, Steve Horvath

Anyone interested in joining the Executive Committee Contact: Bob Klug (619) 544-2334
You are welcome to attend all Exec. meetings, they are held just prior to the Technical Meetings