Thursday, March 22nd, 2018, Technical Presentation

Sponsored by Lucideon M+P

Julius Bonini, PE,
Principal Consultant, Metallurgy, Lucideon, Schenectady, NY, will be presenting

“Effect of Hot Isostatic Pressing on Fatigue Properties and Particle Shedding in Additively Manufactured Ti-6Al-4V-ELI”

Axial fatigue testing and the resulting S-N curves, as well as variation in fracture behavior, are presented from specimens of electron beam melted (EBM) Ti-6Al-4V-ELI in the as-built and HIPed conditions. Though the effect of HIPing on fatigue performance was generally good, significant data scatter was still found. Further analysis of fracture surfaces and cross-sections will be presented here in an effort to explain the data scatter.

Julius is a frequent visitor to and supporter of the San Diego Chapter. His experience in materials goes back 35 years with work in porous coated medical implants. He has worked in the aerospace business and has a very deep understanding of the evaluation and testing field.

When: Thursday, March 22nd, from 5:30 to 8:30 pm
Where: Gordon Biersch Brewery & Restaurant, 5010 Mission Center Rd, San Diego CA 92108
Cost: ASM Members – $20.00, Non-Members - $25.00, Students - $10.00

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Chapter Event Sponsorship:
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Click Here
Must RSVP by Friday, March 16th.

If there are any question please call Bob Klug (619) 544-2334 or Email: Klug_Robert_C@solarturbines.com
**2018 GSDS&EF**

(Greater San Diego Science & Engineering Fair)

Tuesday March 13th thru Sunday March 18th

[https://www.gsdsef.org](https://www.gsdsef.org)

We want to make very sure that you are aware of this annual event. This program has been going for 60 plus years and involves 7 to 12 grade students from all over San Diego County. Your ASM chapter has been judging these student science projects for a number of years now and this is where we get our young students for our April Student Awards Night.

There are science projects and programs all week at this event. If you go to the link above you can see this year’s schedule. I encourage you to take you kids, grandkids, nieces & nephews. Pass this along.

**National Engineering Week Banquet Summary**

Your Chapter provided an outstanding presence at the National Engineering Week Banquet. A display table was set up to promote materials and we unveiled the new Chapter Banner. A special thanks to Rachael for rounding up photographs, working on the design and purchasing the banner.

**A Final Note:**

The 2018 Abe Hurlich Scholarship Applications are available on line at . . . .


Student Outreach, Scholarship Opportunities

Watch for more news on this later!

Thanks again,

Chapter Secretary, Bob Klug (619) 544-2334

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**ASM San Diego Chapter Up-Coming Events**

April 2018 – Technical Meeting

May 23*2018 – Students Night

*Tentatively

**Southern California ASM District II Organizations**

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**University Chapters – UC Irvine and UC Riverside**

**Local Professional Societies**

**SDCEC** [www.new-sandiego.org](http://www.new-sandiego.org)

(San Diego County Engineering Council)

**ASME** [www.facebook.com/AsmeSanDiego](http://www.facebook.com/AsmeSanDiego)

(American Society of Mechanical Engineers)

**ASNT** [www.sd-asnt.org](http://www.sd-asnt.org)

(American Society for Nondestructive Testing)

**AWS** [www.awssection.org/sandiego/index](http://www.awssection.org/sandiego/index)

(American Society of Welding Engineers)

**ASCE** [www.facebook.com/ASCESanDiego](http://www.facebook.com/ASCESanDiego)

(American Society of Civil Engineers)

**SWE** [www.swesandiego.org](http://www.swesandiego.org)

(Society of Woman Engineers)

**ASPE** [www.aspesd.org](http://www.aspesd.org)

(American Society of Plumbing Engineers)

**AIAA** [www.aiaa-sd.org](http://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!