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Thursday, February, 11th 2021 Technical “Virtual” Presentation

“Materials in Space: What is needed to colonize other planets?”

*By Olivia A. Graeve, Ph.D., Professor, Department of Mechanical
and Aerospace Engineering University of California, San Diego*

Prof. Graeve joined the University of California, San Diego, in 2012, and is currently Professor in the Department of Mechanical and Aerospace Engineering, Director of the CaliBaja Center for Resilient Materials and Systems, and Faculty Director of the IDEA Engineering Student Center. Prof. Graeve holds a Ph.D. in Materials Science and Engineering from the University of California, Davis, and a Bachelor’s degree in Structural Engineering from the University of California, San Diego. Her area of research focuses on the design and processing of new materials for extreme environments, including extremes of temperature, pressure, and radiation.

Prof. Graeve has been involved in many activities related to the recruitment and retention of women and Hispanic students in science and engineering and has received several prestigious awards including the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring in 2020. She has been inducted into the Tijuana Walk of Fame (2014), the Mexican Academy of Engineering (2016), the Mexican Academy of Sciences (2019), and has been named Fellow of the American Ceramic Society (2017). In addition, Forbes Magazine named her one of the 100 Most Powerful Women of Mexico (2017).

Presentation time will begin at 5pm PST

Since this is a virtual meeting **you must RSVP** with an email address so that we can provide you the link prior to the meeting.

[Click Here to RSVP](#)

If there are any questions please contact Bob Klug at;
Travelbob2014@gmail.com or (214) 236-2181

The ASM Chapter is a supporter of the San Diego County Engineering Council and inviting all of our members to attend the **2021 Engineers Week Festival**. ASM will have considerable presence in the Festival

Check it out - <https://www.sandiegoengineers.org/>

- Feb 22 (Monday, 6 PM PST) - Kick Off, Awards Ceremony & Keynote
- Feb 23 (Tuesday, 3:30 PM PST) - Role Model Training "Engineering Mindset"
- Feb 24 (Wednesday, 5 PM PST) - Student Night (High School & College)
- Feb 25 (Thursday, 6 PM PST) - [SWE / SHPE / NSBE Networking \(RSVP\)](#)
- Feb 26 (Friday, 6 PM PST) - Engineering Society Social & Networking

Happy New Year 2021

Still lots of work to be done but

Hello everyone,

2020 is now a year for the history books and although, the 1st week of 2021 has been pretty exciting hope springs eternal. Since facemasks and social distancing are still a thing for the time being we will continue meeting virtually.

We have a very exciting presentation by Professor Graeve on *"Materials in Space"*. I do hope you will RSVP and join us.

We have just confirmed a presentation in March about characterization techniques by Zho Liu from Thermo Fisher Scientific.

Speaking of thrilling news, I also want to bring attention to a **Job Posting** on the last page of this newsletter. I realize that the position is located in Portland but if you looking to expand you career this might be worth a look see. <https://www.lisinmet.com/>

Final note: As many of you are aware, I have been our Chapter representative with the SDCEC (San Diego County Engineering Council). We are very busy putting together the annual 2021 Engineering Week Awards events February 22 thru 26. We are working hard together on a virtual festival. We are still looking for sponsors, speakers.

Check it out: www.sandiegoengineers.org/

Thanks again; and as always, while I might be retired, I still accept any and all emails and calls.
Bob Klug,
Communication Chair
(214) 236-2181, Travelbob2014@gmail.com

ASM San Diego Chapter Up-Coming Events

February 22 to 26th – San Diego County Engineering Festival

March 24th - Technical Presentation

"Multiscale Imaging Solutions for Lithium Battery Development" By Zhao Liu PhD, Thermo Fisher Scientific

Southern California ASM District II Organizations

Chapters	Chair/Representative & Link
ASM District II	Open
Los Angeles	Laura Diers, Chair Satish Dixit, Vice Chair www.asminternational.org/web/los-angeles-chapter
Orange Coast	Scott Poveromo, Chair Anand Samant, Vice Chair http://www.asmorangecoast.com
San Fernando	Anita Gregorian, Chair Besmeh Raya, Vice Chair www.asminternational.org/web/san-fernando-valley-chapter
Santa Clara Valley	Jacques Matteau, Chair Chris Moore, Vice Chair www.asminternational.org/web/santa-clara-valley-chapter/home
UC Irvine	David Kisailus, Faculty Advisor David.k@uci.edu Divija Mamania, Student Chair
UC Riverside	Dr. Suveen Mathaudhu, Faculty Advisor smathaudhu@engr.ucr.edu

Local Professional Societies

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(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 <https://awssection.com/sandiego>
(American Society of Welding Engineers)

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

SWE www.swesandiego.org
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Job Center

(Your positions or resumes can be posted here)

Looking to fill a position: <https://www.lisinmet.com/>

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4101 SE International Way #401
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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!

