



Society for the
Advancement of
Material and Process
Engineering

SAMPE Los Angeles Chapter News and Information



May
2022

Many Ways to be Athermal: Ripples, Magnetics, Composites, and Molecular Balance By Dr. James Throckmorton



**Presentation on
May 24, 2022 (Tuesday) at 6:00 PM**

Date:

5-24-22 (Tues)

Time:

6:00 PM PST

Reservations:

Register for the Zoom presentation.

Registration link at:

You are invited to a Zoom meeting.
When: May, 24, 2022 06:00 PM Pacific Time (US and Canada)

Register in advance for this meeting at:

https://us02web.zoom.us/meeting/register/tZUvcuuhRDloHtJ3OhGH4nxwfbcU_omATBc-

After registering, you will receive a confirmation email containing information about joining the meeting.

Meet Dr. James Throckmorton

Dr. James Throckmorton holds an AB in Chemistry and a BE in Engineering from Dartmouth College and a PhD in Chemical and Biological Engineering from Drexel University. He leads the Advanced Materials group at L3Harris Space and Airborne Systems. His research focus is on protective coatings, space-capable polymers and composites, and next generation thermal materials. He is the author of 9 technical publications and a US patent.



Harris Space and Airborne Sys.

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

ISR

Advanced integrated communications intelligence (COMINT), electronic intelligence (ELINT) and targeting mission systems for strategic and tactical aircraft platforms.



Maritime

Electrical and electronic systems and integration for large naval platforms.



Electro-Optical

Advanced Electro-Optic / Infrared (EO/IR), laser imaging and targeting sensor systems

US Navy selects L3Harris technologies



Schedule of Upcoming Events

Event	Presented From	Date
Space Tech Expo	Long Beach, CA	May 23- 25, 2022
CAMX	Anaheim, CA	October 10 -13, 2022
Anaheim Electronics & Manufacturing Show	Anaheim, CA	November 16 -17, 2022



Everyone wants to plan a vacation that is out of this world, but Orbital Assembly Corporation is taking that dream literally. The company recently announced a new project that could launch a space hotel into orbit as soon as 2025; they plan to design *two* new stations customized to accommodate space tourism. The first, which might launch in just three years, has been coined Pioneer Station—and it's an all-inclusive luxury dwelling that offers "incredible views of space from the comfort of your own hotel room stocked with gravity," notes the company's website.

Irene Epstein Scholarship

The Irene Epstein Memorial Scholarship Awards were initiated in 1996 shortly after the death of Irene Epstein, to honor her volunteer efforts on behalf of the Society for the Advancement of Material and Process Engineering (SAMPE), and to recognize her strong desire to assist financially-needy, academically-deserving students at Fairfax High School (Los Angeles) to attend college to study engineering, science, mathematics, or medicine.

The Irene Epstein Memorial Scholarship Awards program was initially funded by contributions from The Aerospace Corporation and SAMPE. It is also supported by the Air Force Space Systems Manufacturing Problem Prevention Program (MP3).

The program is administered by Dr. Howard A. Katzman, Senior Scientist at The Aerospace Corporation, and Education Chairman of the Los Angeles Chapter of SAMPE.

Many individuals and companies have generously contributed to help the fund grow so the amount of the scholarship awards has increased five-fold since it started. In addition, a special Book Awards was introduced three years ago to help selected students in the purchase of their college textbooks. If you would like to make a donation or learn more about the scholarship, please contact Dr. Howard A. Katzman at 310-336-5860 or e-mail him at Howard.A.Katzman@aero.org.

Thank you all for your sponsorship and support of SAMPE – LA!!!

Our list of sponsors is growing!!! Sponsors get monthly exposure in our mailing to over 500 members and associates of the local chapters of SAMPE. Sponsors also get a link to their corporate webpage via the SAMPE Los Angeles Chapter website.

For information on being a sponsor, please contact:

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SAMPE Los Angeles Chapter	Clem Hiel	310 650-6938	Hiel.Clement@gmail.com
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SME	Dave Morton	313 425-3142	dmorton@sme.org
Thermal Wave Imaging	Steve Shepard Alan Nusbaum	248 414-3730	Sshepard@thermalwave.com alannusbaum@thermalwave.com
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