



METALLAGRAM

LONG ISLAND CHAPTER



Volume 65 Issue 1

Chapter website: <http://DoL1.eng.sunysb.edu/asm/>

WELCOME TO THE 2023-2024 YEAR

Next Meeting Wednesday September 20th, 2023

Where: Pollo Rico Latin Bistro, Centereach, NY

Topic: FEA to Qualify and Optimize Tests

Speaker: Pavan Vaddadi, Dayton T. Brown Inc.

Social hour ... 6:00 pm Dinner ... 7:00 pm Meeting ... 8:00 pm

Members ... \$25 Guests ... \$27 Students ... \$15

(New and recently transferred-in members free)

Reservations appreciated – contact Dan Migliorino

at MigliorinoDan@gmail.com or 516-468-9615

Pollo Rico is located at 2435 Middle Country Road (Rte. 25), Centereach. Probably the simplest way to get there from the LIE is to take Exit 62 (Nicolls Road) and go north on CR 97 (towards Stony Brook). Continue north for about 3 miles then take the exit to Rte. 25. At the traffic signals at the end of the ramp go left and head west (Smithtown). The restaurant will appear after about 1.5 miles, on the right side of the highway. Their telephone number is 631-471-0585. Their website is: <http://www.polloricolatinbistro.com/>

Finite Element Analysis (FEA) has become an integral part of several industries helping to evaluate the design and establish if it meets/exceeds the strength and stiffness requirements. It is extensively used to simulate different kinds of tests and environments. Dayton T. Brown is situated on 32 acres in New York and features the largest and most thoroughly equipped independent engineering and testing laboratory in the United States. At Dayton T Brown we use FEA to qualify and optimize tests and test fixtures we build, to help our customers run successful full scale tests on their test articles. We will talk about some examples of how we simulate different tests, how we post process the results and determine the margins of safety.

Dr. Pavan Vaddadi is an Engineering Specialist/PMP at Dayton T. Brown in Bohemia, NY. He started at Dayton T. Brown in 2008 as a Structural Analyst, and eventually became an Engineering Specialist. His role at DTB primarily involves analysis and design optimization of fixtures, loads development for tests, performing strength and rigidity assessments and conducting critical design reviews to get designs qualified. Between 2013 and 2018 Dr. Vaddadi worked as a Specialist Engineer for Aerojet Rocketdyne, working on design/analysis of Carbon Overwrapped Pressure Vessels and Principal Mechanical Engineer for Naval Nuclear Lab in Schenectady Ny working on design/analysis of Naval Submarines. By background Dr. Vaddadi has a Masters and Ph.D. in Mechanical Engineering from Stony Brook.



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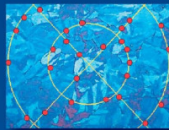
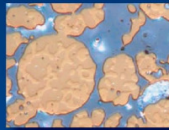
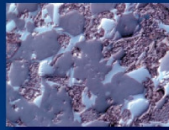
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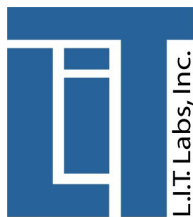
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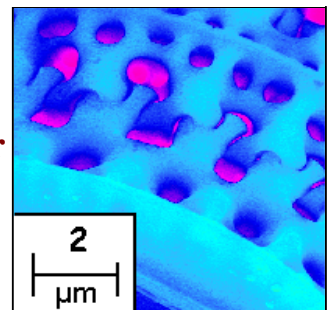
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ON-LINE FORUM

ASM now has an active on-line forum called “ASM Online Member Community”. You can join by going to:

<https://www.asminternational.org/communities>

Long Island Chapter Meeting Schedule

Sept 20, 2023	Pavan Vaddadi, Dayton T Brown Pollo Rico, Centereach, NY
Oct 18, 2023	TBA Cormac Killeen, SBU Pollo Rico, Centereach, NY
Nov 13, 2023	Student-Nite at SBU, rm301, Monday
Dec 13, 2023	CMAS Coating Jon Guttleber, Oerlikon/Metco Pollo Rico, Centereach, NY

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www.asminternational.org/web/metro-nynj-chapter

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