



We are Pleased to Present the Featured Guest Speaker for our December 3rd Meeting:

### *Aram Mekjian* *Mektech Composites Inc.*

*Hillsdale, NJ*  
*mekmail@prodigy.net*

## Fire Hard Composites For Many Applications

#### Abstract

Composites are used in many industries as an alternative to metals, concrete and wood because they provide a high strength to weight ratio, corrosion resistance, part consolidation, design flexibility and low maintenance costs .

The most commonly used thermoset resins are unsaturated polyester, vinyl ester and epoxy. The biggest drawback in using these composites is their propensity to burn, producing high levels of smoke and toxic fumes, which hinder the ability to escape in a fire. However, Phenolic composites, unlike any other composite, offer all the

advantages of composites, with excellent fire/smoke/toxicity (FST) properties and high temperature resistance, allowing their usage in many applications.

#### Biography

Aram Mekjian is President of Mektech Composites Inc. Mektech is the exclusive North American distributor of Cellobond Phenolic resins (now owned by Hexion Inc.), which Mekjian introduced to the US market in 1990 as Business Manager for BP Chemicals. Prior to that, Aram was the Technical Director and Product Manager for Aristech Polyesters for 13 years. He received a BS in Chemistry from Valdosta State College, a MS in Chemistry and MBA in Marketing from Fairleigh Dickinson University.

#### MEETING DETAILS

Place: Bridgewater Manor, Bridgewater, NJ; (908) 658-3000

Time: 5:45 – 8:30

Cost: \$15.00 Adv Registration; \$20.00 at Door; Students – Free  
This meeting is open to all SAMPE members, spouses, guests, and other interested parties

Reservations contact John Osterndorf at 973-248-5885 or at [jfo0956@gmail.com](mailto:jfo0956@gmail.com) by noon Wednesday before the meeting.  
Directions to Bridgewater Manor: From I-287 north, take exit 22A (206 south). Go thru two lights, Bridgewater Manor is on right. From I-287 south, take exit 22. Make right at end of ramp. Make next left, a jughandle to cross 202/206 to go south on 202/206. Go thru three lights, Bridgewater Manor is on the right:





### 2015 – 2016 Meeting Schedule

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**September 10, 2015** – Garry Hoffman, 3HTi, LLC.

**October 1, 2015** – Louis Pilato, Bio-Based Resins

**October 26 - 29, 2015** – CAMX, Dallas TX, sponsored jointly by SAMPE and ACMA

**November 5, 2015** – Joe Landolina, Suneris Technologies Inc.

**December 3, 2015** – Aram Mekjian, Mektech Composites Inc.

**February 4, 2016** – Dennis Prentice, Rob Demaree, IMR Test Labs

**March 3, 2016** – Mary Shafer, Fabric Development

**April 7, 2016** – Delip Shah, A&C Catalysts Inc.

**May 5, 2016** – Nick Gianaris, Thermacore Inc. (tentative)

**May 23 - 26, 2016** – SAMPE Long Beach, Long Beach CA

**June 2, 2016** – TBA

**July 7, 2016** – 33rd NJ SAMPE Golf Tournament, Picatinny Arsenal

# NEWSLETTER

December 2015

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New Jersey Chapter



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New Jersey Chapter



### Sponsor of the Month IMR Test Labs div of Curtiss-Wright

IMR Test Labs in Ithaca, NY is a Nadcap (MT, NMMT) and A2LA (ISO 17025) accredited testing laboratory offering a wide range of testing on fiber-reinforced composite materials. Additionally, IMR carries approvals from major manufacturers including Aurora Flight Sciences, GE, Gulf Stream, Sikorsky, SNECMA and others.

Analytical services offered include climbing drum peel, compressive properties, short beam strength, shear properties, flexural properties, tensile properties, sectioning/microscopy, failure analysis and other methods.

IMR has six facilities located in New York, Kentucky, Oregon, Singapore, China and the U.K. offering chemical analysis, cleanliness testing, corrosion testing, mechanical testing, metallurgical analysis, failure analysis and fatigue testing.

Behind the doors of IMR's labs are over 200 knowledgeable, experienced professionals — Ph.D.s, engineers, chemists, metallurgists, technicians and support staff — who work side by side with clients in a diverse range of industries including Aerospace, Automotive, Medical Device, Oil & Gas and Energy. For information about specific accreditations and approvals, please contact us or visit our website at [www.imrtest.com/accreditations](http://www.imrtest.com/accreditations)

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