

We are pleased to present the featured Guest Speaker for our March 1st Meeting:

### **SURFACE ENHANCEMENTS AND TOOLING UP FOR THE 787 WINDING OPERATION**

Edmund Aversenti, President  
General Magnaplate

#### Abstract:

General Magnaplate was founded by Dr. Charles Covino in 1952. It progressed from space applications to frying pans to the diversified markets it serves today. We are grateful for our customers and employees as that is what makes a company successful and great.

An overview of proprietary processes will be discussed: Surface enhancement for all alloys with 13 different families of coatings.

Also to be discussed is our patented CMPT process. CMPT generates working tooling for the composite industry (made from nonferrous and ferrous alloys to include INVAR) utilizing our thermal spray technology.

The benefits of this patented process will be shown. A non-proprietary video will be shown on how a Boeing 787 is fabricated.

Samples will be offered for 'touch and feel'.

#### Biography

Edmund Aversenti will be giving the presentation. He is the President/COO of General Magnaplate. He has been a member of SAMPE since 1977 on the West and East coasts.

#### **MEETING DETAILS**

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

Time: 5:45 – 8:30

Cost: \$20.00 at the door. Free for students. Cash, check and PayPal options are available. This meeting is open to all SAMPE members, spouses, guests and other interested parties. For reservations or questions, please contact Megan Casey at [mbc872@gmail.com](mailto:mbc872@gmail.com) by noon Wednesday before the meeting. Meal options are available.

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.



### 2017 – 2018 Meeting Schedule

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**September 7, 2017** – Akm Samsur Rahman,  
New York City Technology College

**October 5, 2017** – Dan Kling, Foldstar Inc.

**November 2, 2017** – Vinay Mishra, Dixie  
Chemical

**December 7, 2017** – Steve Medlar, Rutgers  
Univ

**December 11-14, 2017** - CAMX, Orlando FL,  
sponsored jointly by SAMPE and ACMA

**February 1, 2018** – John Melilli, Composite  
Automation, LLC

**March 1, 2018** – Ed Aversenti, General  
Magnaplate

**April 5, 2018** – Students Night

**May 3, 2018** – Tour; to be announced

**May 21-24, 2018** – SAMPE Long Beach CA

**June 2018** – Bakelite film presentation

**June 28, 2018** – 35th NJ SAMPE Golf Outing,  
Picatinny Arsenal

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### SAMPE Chapter Service Excellence Award Winner:

2002, 2003, 2004, 2005, 2006 (award retired  
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### SAMPE Chapter Sponsored Conferences:

ISSE – 1990 (Anaheim), 1994 (Anaheim),  
1996 (Anaheim), 1998 (Anaheim), 2002 (Long Beach)

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2006 (Dallas), 2009 (Wichita), 2012 (Charleston)

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## Sponsor of the Month: IMR Test Labs

IMR Test Labs 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 Ithaca NY, Portland OR, Louisville KY, Suzhou, China and Singapore 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).

For information,  
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