

NEWSLETTER

September 2015

Society for the Advancement of Material and Process Engineering

New Jersey Chapter



We are Pleased to Present the Featured Guest Speaker for our September 10th Meeting:

Garry Hoffmann

Principal

3 HTI, LLC

300 Atrium Way

Mount Laurel, NJ 08054

ghoffman@3hti.com

www.3hti.com

3D Printing Using Continuous Fiber Reinforcement

Abstract

3 HTI is a systems integrator that focuses on:
Product Lifecycle Management, CAD/CAM/CAE
& 3D Printers. They will be doing a live
demonstration and overview presentation of the

Mark One Carbon Fiber 3D Printer. It is the World's First Carbon Fiber, Kevlar, Fiberglass 3D printer! You can 3D print FUNCTIONAL parts using a Nylon base that are reinforced with Carbon Fiber, Kevlar or Fiberglass right from your desktop. The parts are stronger than aluminum with no post processing necessary. This is done with 10 micron repeatability and starts at \$5,499.

Biography

Garry Hoffman is a Principal of 3 HTI. Garry holds a BS in Industrial Design and has over 25 year experience working with many major companies such as Lockheed Martin, DuPont, ITT, NASA, Penske Racing and Siemens. He has extensive experience working with clients to optimize their product design through manufacturing processes helping them reduce costs, reduce cycle time and improving overall product quality. Garry has been involved with 3D printing since 1989 and is a subject matter expert for many Wall Street Analysts on the 3D printing industry.

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 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.



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2015 – 2016 Meeting Schedule

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

October 2, 2014 – TBA

October 26 - 29, 2014 – CAMX, Dallas TX, sponsored jointly by SAMPE and ACMA

November 5, 2015 – TBA

December 3, 2015 – TBA

February 4, 2016 – TBA

March 3, 2016 – TBA

April 7, 2016 – TBA

May 5, 2016 – TBA

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

June 2, 2016 – TBA

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



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SAMPE Best Chapter Award Winner:

1990, 1991, 1992, 1993, 1995, 1996, 1997, 1998,
1999, 2000, 2001

SAMPE Chapter Service Excellence Award Winner:

2002, 2003, 2004, 2005, 2006 (award retired
after 2006)

SAMPE Chapter Sponsored Conferences:

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

ISTC – 1981 (Mt. Pocono), 1989 (Atlantic City),
2006 (Dallas), 2009 (Wichita), 2012 (Charleston)

ISEC – 1994 (Parsippany)



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Sponsor of the Month Composite Prototyping Center

The demand for products utilizing composite materials such as carbon fiber, fiberglass and aramid is growing exponentially. Competing in today's brave new world of Advanced Composite Manufacturing requires vision and expertise as well as a trained workforce. The Composite Prototyping Center, CPC, offers services to include full prototype manufacturing, hands-on technical training from professional materials manufacturing experts, workforce development protocols and training, a full array of advanced state-of-the-art systems and equipment, education and implementation of the latest technologies, comprehensive production line technologies, testing capabilities, R&D support and new composite material evaluation, all in a 25,000 sq ft facility.

On site equipment includes an Automated Dynamics Fiber Placement Robot, a Bondtech 8x20 ft autoclave, two Wabash presses, 100 and 250 ton,

a Stratasys 3D Printer, a Mark One Composite3D printer, a Wisconsin walk-in oven, a 1200 square foot Clean Room, a walk-in freezer, an Instron Universal Test Machine, and a Thermwood 5 Axis CNC router.

Composite Prototyping Center

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