



## FEBRUARY 2008 BULLETIN

All SME Chapter 69 meetings, unless otherwise announced, are held on the 2nd Wednesday of every month in the Advanced Technology Center on the OCC Auburn Hills Campus. The technical presentation starts at 6:00 p.m. and dinner is served at 7:00 p.m. Members and guests are welcome. There is no charge.

A map of the campus can be found at:

<http://www.oaklandcc.edu/Maps/AHCampus>

### Chapter 069 Officers

<i>Chair</i>	Robert Petrach, Jr	<a href="mailto:robert.v.petrach@delphi.com">robert.v.petrach@delphi.com</a>
<i>Chair Elect</i>	Jack Wagner	<a href="mailto:jwagner@outdrs.net">jwagner@outdrs.net</a>
<i>Secretary</i>	Alan Wolfe	<a href="mailto:awolfe@wolfedesignservice.com">awolfe@wolfedesignservice.com</a>
<i>Treasurer</i>	Gary Shepperd	<a href="mailto:GCShep@wowway.com">GCShep@wowway.com</a>
<i>Certification</i>	Larie Smith	<a href="mailto:lsmith@michpro.com">lsmith@michpro.com</a>
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<i>Communications</i>	Doug Ruffley	<a href="mailto:druffley@destaco.com">druffley@destaco.com</a>
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<i>Chapter Awards</i>	Dr. Viktor Astakhov	<a href="mailto:astvik@hotmail.com">astvik@hotmail.com</a>
<i>International Awards</i>	Bijay Nayak, Ph.D.	<a href="mailto:bnayak@msn.com">bnayak@msn.com</a>
<i>Bulletin</i>	Paul Drallos, Ph.D.	<a href="mailto:pdrallos@tir.com">pdrallos@tir.com</a>

### Chapter 069 Open Positions for 2008

SME Chapter 069 has three open chair positions which we are looking to fill. contact any of the Chapter officers if you are interested in helping out. The positions are:

**Student Relations Chair**                      **Best Practice Chair**  
**Tech Community Network Coord.**

## February 13, 2008 Technical Presentation

### Something from Nothing: Secrets of Software Manufacturing

Paul Drallos, Ph.D.(Physics), Founder,  
MyTechnology, LLC, Berkley, MI

Paul's formal training is in theoretical atomic physics with experience in national lab, university, and industry research environments. While CEO for Plasma Dynamics Corporation, he managed several international research projects for the Plasma TV industry. More recently, he has founded MyTechnology LLC, and developed Knexus™ software which is a three-dimensional, virtual world environment for managing large amounts of electronic data.

Paul's talk will deal with the mysterious world of software manufacturing and will provide a peek behind the curtain of those elusive products which exist partly in our world and partly in the next.

Contrary to what you might expect, software manufacturing is not just a matter of copying a file or burning a disk. In this talk, using Knexus as an example, you will learn how:

- Software products are typically comprised of many individual, inter-dependent parts.
- Individualization greatly increases the opportunity for unacceptable errors.
- The binary nature of software demands zero-tolerance margin of error.
- How to make software's zero-tolerance work *for* you instead of against.
- How to set up a small production facility with off-the-shelf equipment for under \$2000

### Chapter 069 Welcomes Five New Members!

SME Chapter 069 is pleased to welcome five new members this month.  
The new members are:

**William D Bone** - CTO at EDS, Pontiac  
**Michael J Bommarito** - Mgr - Adv Mfg Engineering at American Axle, Detroit  
**Michael Plumer** - Sales Engineer at Healy Fire Protection, Lake Orion  
**Corey Henderson** - Sr. Design Eng at Mark IV, Rochester Hills  
**Kelli Peter** - Shop Mgr at General Inspection LLC, Davisburg

### Also in February - Hosted by SME Chapter One

#### Hands-on Lean Simulation with Howard Weston

February 18, 2008 - 5:30-6:00 pm

Macomb Community College, South Campus

14500 E. 12 Mile Road, Warren, MI, Building S, North Exhibit Lobby.

Join local SME members for a fun and educational hands-on experience and take home an ROI calculation tool that you can use to determine the potential impact from Lean/Six Sigma implementation on your own business.

SME Chapter One, Macomb Community College and SME Student Chapter S071 are co-sponsoring the event.

## 2008: Chairman's Message Board

Views from the Chairman: January 14, 2008

Chapter 69 started 2008 with a great presentation by Jamie Flinchbaugh of the Lean Learning Center.

We started the meeting with networking and dinner followed by Natalie Lowell, our SME Member Relations Manager, administering the oath of office to our guests, the Detroit, SME Chapter 001, Executive Board. We were also honored to have Dr. Virinder Moudgil, Vice President for Academic Affairs and Provost of Oakland University, say a few words about future opportunities to work together. Natalie said a few words about the SME Annual Meeting held this year at the Detroit Marriott Renaissance May 31 - June 3, then we had Jamie's presentation and discussion.

If you missed the meeting, you missed a great opportunity for both learning and networking. Our Chapter's Mission is to enhance the Manufacturing Profession through Member Engagement, Professional Certification, Education, Student Support, Intellectual Exchange, and Fellowship.

Throughout the year, we provide a variety of events and volunteer opportunities.

When I wrote my Chairman's message in Nov. 29, 2004 Chapter 69 had 650 members, today we have 350. While fewer members make fulfilling our mission more difficult, we have improved the opportunities. Our programs are as good as, if not better than, they were in 2005. We also are refocusing on collaboration with other SE Michigan Chapters and were very pleased to welcome a large contingent from Detroit at this first meeting of 2008.

Continuous learning is the way to gain a competitive advantage. In today's terrible job market, it may also be the differentiator that gets you the job over someone else. The more you take advantage of SME events and activities, the more you will learn and grow. SME will add value to both your professional and personal life.

Come see what more you can get out of your membership, check us out.

Yours truly,

Bob Petrach, CMfgE

### Highlights from January's meeting

Our last month's meeting was not held at our usual OCC location. Instead, we were honored to have the meeting hosted by Oakland University in the Gold Room of the Oakland Center Building. The meeting was well-attended thanks, in part, to our guests from SME Chapter One who did a great job of publicizing the event.

The Technical Presentation "Sustainable Lean or Why start what you can't finish?" was presented by Jamie Flinchbaugh and was a great success.

In addition to hosting Jamie's presentation, we were also pleased to have Natalie Lowell (our Member Relations Manager) administer the oath of office to the new officers of the Detroit Chapter 001.

After the swearing in ceremony, we were graced with a few words from Oakland University Vice President for Academic Affairs and Provost Dr. Virinder K. Moudgil. We also owe a special thanks to Prof. and Dean of Education and Human Services, Mary Otto, who provided refreshments (but unfortunately could not attend) and to Linda Robak, Director of Professional Development (Pawley Institute, School of Education and Human Services) who made all the room and food arrangements for us at OU.



The Jan 9, 2008 SME Chapter 69 Oakland/Macomb meeting presentation "Sustainable Lean" by Jamie Flinchbaugh was a great success.

### - March Preview - Coming up next month

The March 12, Chapter 069 Tech Presentation will feature Part I of a two-part seminar entitled

#### UNLEASHING THE HIDDEN POWERS OF LEAN THROUGH VISUALIZATION

Mike Juras, Director of GM Mid-Size Car Division (Retired)  
Executive Vice President Major Tier I Parts Supplier  
CEO Vertare LLC

Mike's talk will feature details about Enterprise Product Realization™ (EPR), which is a unique process performance system that visually organizes the product development process from idea to manufacture. According to Mike, EPR will be more powerful than the Toyota Production System (TPS) when it is fully implemented.

The first part of the seminar will be held on March 12 and will focus on EPR's common framework. The second part will be presented on April 9. Be sure to mark your calendar for these exciting seminars.

### Also in March - Sponsored by SME Chapter One Lean Principles at Ideal Contracting

March 18, 2008 - 5:30-8:30 pm  
Macomb Community College, South Campus  
14500 E. 12 Mile Road, Warren, MI, Building S, North Exhibit Lobby.  
Greg Sorrentino, VP & General Manager  
Ideal Contracting

Find out how Ideal Contracting has eliminated non-value added processes, cut construction costs, minimized on-site waste, improved jobsite safety and reduced construction time for its manufacturing customers, using the collaborative 3D building information modeling (BIM) process.

A link to Chapter One's Calendar of Events can be found here:

<http://smechapter1.org/552.html>