

## SME Chapter 69 Oakland/Macomb



### JANUARY 2009 BULLETIN

All SME Chapter 69 meetings, **unless otherwise announced**, are held at 6:00 p.m. on the 2nd Wednesday of every month on the OCC Auburn Hills Campus in the Advanced Technology Center (Bldg T) first floor conference room. **This month's meeting (Jan 14, 2009) is one of those exceptions and it will consist of a tour and Technical Presentation at KUKA Robotics in Clinton Township.** See the included map.) Doors open at 6:00p.m. Refreshments (pizza and pop) will start at 7:00. There is no charge.

**For security reasons, KUKA Robotics reserves the right to screen participants prior to the presentation and plant tour. Direct competitors from the following companies will not have access to the tour or presentation:**

ABB                      Adept                      FANUC                      Kawasaki  
Motorman              Staubli                      Nachi                      Denso

In addition, you can RSVP to John Agapiou by January 13 so we can provide the attendees' name to KUKA Robotics ahead of the tour.

Please RSVP to John Agapiou at [john.agapiou@gm.com](mailto:john.agapiou@gm.com)

Check out the SME Chapter 069 webpage at: <http://chapters.sme.org/069/homepage.htm>

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### Chapter 069 Welcomes One New Member!

SME Chapter 069 is pleased to welcome a new member this month.

**Mr Mark Neitzke** - Primary Investigator, Innovative Bio Therapies Inc.

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### Heads up for Chapter 069 February Meeting and Technical Presentation

February 11, 2009

The Chapter 69 Meeting and technical presentation in February (the 11th) will be at ABB and will include a tour with several application demonstrations of Safety on some of their Cells with a presentation on the newer developments on safety working with robots.

The location is: Robotics Division - NA | ABB, Inc. | 1250 Brown Road | Auburn Hills, MI 48326.

## January 14, 2009 Tour and Technical Presentation

6:00 p.m. at KUKA Robotics

**Stu Shepherd, President**  
KUKA Robotics Corporation

Stu Shepherd, President of KUKA Robotics Corporation, will welcome SME Members to KUKA Robotics North American Headquarters in Clinton Township, MI. We will be given an introduction to KUKA Robotics followed by a brief tour of the facility showcasing several robotic demonstration cells used in a variety of applications. The Meeting will conclude with Stu sharing a glimpse of the future, discussing emerging markets and applications for Robotics.

KUKA Robotics Corporation, with its parent company KUKA Roboter GmbH, Augsburg, Germany, is one of the world's leading manufacturers of industrial robots. The company's 4, 5 and 6 axis robots range from 5kg to 1000kg payloads, and 635mm to 4000mm reach, all controlled from a common PC based controller platform. KUKA robots are utilized in a diverse range of industries including the appliance, automotive, aerospace, consumer goods, logistics, food, pharmaceutical, medical, foundry and plastics industries and in multiple applications including material handling, machine loading, assembly, packaging, palletizing, welding, bending, joining, and surface finishing. For more information contact KUKA Robotics at 866-873-5852 or visit their website at <http://www.kuka.com/usa/en/>.

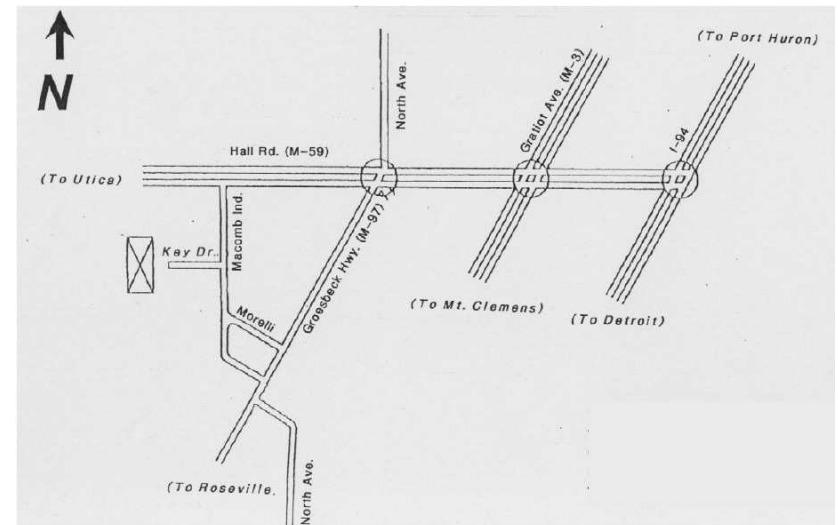
### Directions: Detroit Metro Airport to KUKA, Clinton Township

Follow I-94 North/East to M-59/Hall Road. Exit West on M-59/Hall Road.

Follow M-59/Hall Road (West) past Grosebeck/M-97 to the 2nd "U-turn".

Take the 2nd U-turn and immediately get into the right lane and turn right (South) on Macomb Industrial Dr.

Follow Macomb Industrial Drive (South) to Key Dr. (KUKASign) and turn right.  
22500 Key Drive, Clinton Township 48036



## Changing Jobs? Know Your Options

Stuart Selis, ChFC  
Part 1 of 2

If you are changing jobs or retiring, you've got a decision to make about the retirement funds that have accumulated in your employer's plan. Here are a few options.

**Option 1) Your employer hands you a check.** This may look like a bonanza, but selecting this option could be a mistake. Your employer is required to withhold 20%, so you will only receive 80% of your money. If you are younger than 59 1/2, you may be subject to a 10% federal income tax penalty for early withdrawal. You must pay income taxes on the full amount if you fail to roll over your funds within 60 days.

**Option 2) Leave the money with your old employer.** If you have more than \$5000 in your old retirement plan, you can usually leave the money where it is. (Check with your employer.) The downside is that you are limited in your investment choices, you cannot make new contributions, and you may be charged service fees by your ex-employer.

**Option 3) Move your money to your new employer.** Not all retirement plans accept this and some may impose a waiting period. Also, the investment options offered by your new employer may not be as extensive as you want. The benefit is that you maintain your assets tax deferral and benefit from the convenience of having your assets in one place.

**Option 4: an IRA Rollover.** See part in next month's Bulletin.  
GE-42855a (02/08)(exp. 02/10)

### Views from the Chairman: January 2009

I would like to thank the members of chapter 69 for giving me the opportunity to serve as chair for 2009. Also, a special thank you to Bob Petrach for his outstanding work as chair of 2008. His hard work and dedication to this chapter is greatly appreciated. I have set a few goals I hope to accomplish in 2009. Namely, increase member's attendance at meetings by offering some interesting presentations and we welcome suggestions on presentations from all our members out there. Also we should look for ways to maintain our current membership numbers and to attract new members especially engineering students from Oakland University under these tough economic times. We should also continue our involvement with the SME Headquarters by helping them in their local events and submitting one or more fellows for the SME awards. We are also planning to have one or more common monthly presentations with Detroit Chapter 1. This is a great opportunity for us to share ideas and perspectives.

Chapter 69 Oakland/Macomb had a joint 2008 Installation & Awards Banquet with Detroit Chapter 1 on December 16 at the Gazebo in Warren. The installation of 2009 officers was made by Mark Tomlinson and the president of SME Neil Duffie. Our 2008 chairman Bob Petrach presented the awards to the 2008 officers. Neil Duffie explained the importance of the SME Chapters including their active involvement in knowledge transfer to their members through seminars and various local events. In addition, he expressed his appreciation and he recognized the time and effort it takes the volunteer leaders to run the chapters while finding ways to increase member participation.

Throughout the last year, the Chapter 69 guest speakers in the monthly technical Presentations have offered you a glimpse into the manufacturing world. SME established the chapters to bring local members together and transfer manufacturing knowledge to all local members and nonmembers seeking knowledge. In addition, SME provides others means of knowledge transfer through their monthly magazine and technical publications available on the web for free to all members. SME puts a large emphasis on the Certification Programs (see details on the SME web site) they offer throughout the year. The Certification Programs help your career achievements while renewing and expanding your manufacturing knowledge so that you may enlighten and educate others. Please take advantage of our great programs and let me know if you have a particular interest in any engineering sector and would like to see a specific topic discussed or hear a speaker who has expertise in the field. With continuing education and our chapter dedication to helping you by hosting certification review programs, your success will be great evidence to the chapter strength. Also, your membership renewal is very critical to our success since we should always strive to promote and strengthen the future of manufacturing. Our chapter was founded in 1945 and your support will help continue its strong history and its involvement in the local manufacturing community. I know I can count on each of you to contribute to these efforts

In conclusion, I welcome any suggestions for ways to improve our Chapter. I am looking forward to a great year and seeing many of your faces at least in one of the monthly meetings. I wish everyone a Happy New Year.

John

### Certification Message

Are you getting the recognition you deserve for your manufacturing expertise? Distinguish yourself from the crowd of manufacturing practitioners through SME's certification program!

The Oakland/Macomb chapter offers its own review classes and proctors tests on your schedule at lower cost using chapter volunteers and resources. If you have questions call or email:

Larie Smith ((586) 228-9700 Ext. 315) or John Dinovski (313) 758-4460.

If you have any questions or wish to make a suggestion or request, please contact one of the chapter officers.

### Chapter 069 Officers

<i>Chair</i>	John Agapiou, PhD, FSME	<a href="mailto:john.agapiou@gm.com">john.agapiou@gm.com</a>
<i>Chair Elect</i>	Chengyin Yuan, Ph.D	<a href="mailto:chengyin.yuan@gm.com">chengyin.yuan@gm.com</a>
<i>Secretary</i>	Stuart Selis	<a href="mailto:slselis@comcast.net">slselis@comcast.net</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>
<i>Cert. Coord.</i>	John Dinovski	<a href="mailto:jdinovski@hotmail.com">jdinovski@hotmail.com</a>
<i>Communications</i>	Doug Ruffley	<a href="mailto:druffley@destaco.com">druffley@destaco.com</a>
<i>Programs</i>	Jack Day, CMfgE EMCF	<a href="mailto:DeltaDay@compuserve.com">DeltaDay@compuserve.com</a>
<i>Membership</i>	Stacy Behrens	<a href="mailto:stacy.behrens@alumni.lehigh.edu">stacy.behrens@alumni.lehigh.edu</a>
<i>Chapter Awards</i>	Dr. Viktor Astakhov	<a href="mailto:astvik@hotmail.com">astvik@hotmail.com</a>
<i>Bulletin</i>	Paul Drallos, Ph.D.	<a href="mailto:pdrallos@tir.com">pdrallos@tir.com</a>