

**September Technical Presentation:  
"Forward Engineering & Digital CAD"**

6:00 pm - September 14th (Wednesday)

Presented by: Steve Griffiths and Jon Moss of Materialise Inc.

"Steve Griffiths is a Sales Engineer at Materialise ([www.materialise.com](http://www.materialise.com)) with 11 years of experience presenting leading edge technology to the design and engineering communities. These technologies include 3 dimensional software and rapid prototyping equipment developed to give engineering professionals a competitive edge and tools to design better products in less time and at lower cost. Steve holds a Bachelor of Business Administration from Eastern Michigan University.

Jon Moss is an Application Engineer at Materialise and recent graduate of the University of Michigan. Jon is the leading technical and pre-sales support contact for 3Matic "Forward Engineering" software. Jon has a Bachelor of Science in Mechanical Engineering from the University of Michigan.

Materialise has been the industry standard for stl (triangle) file fixing and editing software for the Rapid Prototyping Industry and other computer aided engineering applications utilizing stl files. 3Matic is the latest innovation of Materialise. The .stl or stereolithography format is an ASCII or binary file used in manufacturing. It is a list of the triangular surfaces that describe a computer generated solid model. This is the standard input for most rapid prototyping machines. Learn how the software eliminates the need for reverse engineering and return-loops to the original CAD package, because everything is performed at the 'digital' (triangle) level.

***This presentation will be open to members, students and guests***

O.C.C. Auburn Hills - Advanced Technology Center

2900 Featherstone Road (Room T-1) - Auburn Hills, MI 48326

Sept. 14 @ 7:00 p.m. A complimentary dinner will be served after the presentation

**SME Certification for CMfgE & CEM**

Oakland/Macomb Chapter 69 is providing a (2) day review course & Examination for these important credentials. The program combines your education & experience, self-study of SME publications, objective evaluation, experienced guidance, and comprehensive testing of your skills & capabilities. This will take place on November 18th thru the 20th. Look for additional details in the Chapter 69 Website or contact our Certification Chapter Chairman.

**SME Chapter 69 Oakland/Macomb WEBSITE Info**

Check out our website for further information:

<http://chapters.sme.org/069/homepage.htm>

In the past bulletins I have listed an incorrect site

**SME Chapter 69 Oakland/Macomb**



**Society of  
Manufacturing  
Engineers**

**Chairman's message**

Welcome back from the summer. The September meeting is the 14th. Hope to see you there.

We have an exciting fall coming up with three excellent tech presentations in September, October and November. We have a bylaw change proposal for the members to consider in October. The executive Board has proposed a change to bylaws to add another elected office, that of Communications Chair. Reporting to the Communications Chair would be the Bulletin Editor, Webmaster, Publications, Chapter Bulk Email coordinator and Publicity Chair. The vote on the bylaw change will be in October. Also, in October we have nominations for Elected officers. In November there are the elections for 2006 officers and in December, the 2006 planning meeting. Anyone that has participated in the tech presentations, tours or meetings the last few years can see that SME 069 is on a roll improving services and opportunities to members. But as with anything, you get out in proportion to what you put in. There are opportunities for SME to help you improve yourself as well as manufacturing education in general, but you have to look for those opportunities. Check out what the chapter has to offer, drop in September 14th.

**CHAPTER 69 MISSION STATEMENT**

"Our mission is to further enhance chapter member's knowledge of Manufacturing Engineering with continuing education through: technical presentations and seminars, tours, and professional certification. We encourage participation of student members to enrich their learning experiences. The Executive Board encourages an open forum for intellectual exchange and fellowship in order to promote further development of managerial skills.

**Upcoming Technical Events**

**October's** technical topic is "Lean Manufacturing for the Tool & Die Shop." by Gary Gathen. He'll talk about what lean is and why it's valuable; how tool and die shops can benefit from going lean; and introduce Value Stream Mapping, the first step in becoming lean (after 5-S housekeeping). I'll create a simple VSM and show some we're working on in the tech group.

**November's** topic is Optimizing Endmill performance to compete in the Die, Mold, and Job Shop market by David Dille. It's focus is vibration control. It will be demonstrated in an OCC lab on a high speed milling machine