

## SME Chapter 69 Oakland/Macomb



### APRIL 2007 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.

#### April Technical Presentation

April 11, 2007

#### Intelligent Optimized Regulated Adjustment and Spatial Reference System for CNC and CMM quick checks

Nate Enstrom, Sales Engineer  
INORA Technologies, Inc.

Nate will be presenting a basic overview of their Core Math Technology: INORA (Intelligent Optimized Regulated Adjustment), as well as the Spatial Reference System for CNC and CMM quick checks. The main emphasis of the presentation will be on the Spatial Reference System, how it is applied in the industry (citing GM and British Aerospace examples), and how our core technology is implemented in this specific product, but also a little time will be spent on how the core math engine is being applied to other areas of manufacturing as well as the new possibilities our core technology creates.

#### Chapter 069 Welcomes Four New Members!

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

**John A Depauw** - an Applications Engineer at SPS Technologies in Waterford MI.

**Joanne Deys** - a Lean Sensei at Textron in Bloomfield Hills.

**Danielle Ericks** - an Analyst at Nissan North America Inc in Farmington Hills MI.

**Richard Penderel** - a Sr Engineer Specialist at General Dynamics Land System in Sterling Heights MI.

#### Chapter 069 Officers

Chair - John Dinovski, CMfgE

Chair - Elect - Vern Speidel, CMfgE

Treasurer - Jack Wagner, CMfgE

Secretary - Alan Wolfe

Membership Chair - Bob Petrach, CMfgE

Programs Chair - Leandro Barajas, PhD

Certification Chair - Larie Smith, CMfgT

Communications Chair - Doug Ruffley, PE, CEM

#### Profile: Amanda Olesky



SME Chapter 69 member Amanda Olesky was named one of the New Faces of Engineering 2007 by the National Engineers Week Foundation - a coalition of engineering societies, major corporations and government agencies - which asks its members to nominate colleagues 30 years old and younger who have shown outstanding abilities and leadership. From those nominees, the foundation selects the New Faces for Engineers. SME nominated Olesky for this honor.

Amanda's responsibilities have grown rapidly in the past year, learning from her time spent in manufacturing operations and in the fastener testing lab. She spends approximately 50 percent of her time traveling to customer locations, including Acument's General Motors account, as well as supporting the sales team for clients such as Key Safety and Takata-Petri, global manufacturers of automotive safety systems, such as airbags, seatbelts and child restraints. Olesky supports those companies' engineering staffs with design assistance, joint validation testing, new product information and supporting sales staff with complete technical support.

Among Amanda's more amazing accomplishments is the design and sale of a proprietary product to General Motors of Europe, the Low Profile Torx Plus(R) fastener, which has a special high strength and torque capability in a low-profile head style for bolts used in the Cadillac SRX transmission. The product's introduction, scheduled for release in the United States and Europe, is expected to result in sales and production of over one million pieces annually for GM Powertrain in Strasbourg, Germany, and the United States.

The New Faces of Engineering program highlights the interesting and unique work of young engineers and the resulting impact on society. Young engineers two to five years out of school are the focus of this recognition program. Olesky is a 2004 graduate of the University of Michigan-Dearborn.