

# SOCIETY of MANUFACTURING ENGINEERS

## TORONTO CHAPTER 26

### SEPTEMBER 2004



**URGENT: Bulletin**  
**Distribution**  
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WEB: [www.sme-toronto-26.org/](http://www.sme-toronto-26.org/)  
 E-MAIL: [sme26toronto@yahoo.ca](mailto:sme26toronto@yahoo.ca)



## TOUR: Karmax Heavy Stamping (Magna)

Thursday afternoon, September 16, 2004

333 Market Drive

1:45 pm Tour

Please sign-up\* by September 10.

Milton, Ontario

Phone: 905-878-5571

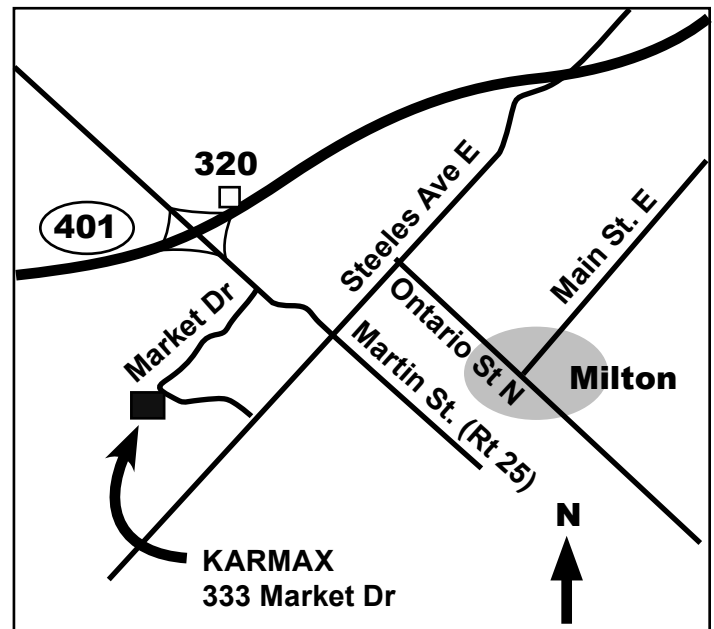
Karmax Heavy Stamping is a division of Cosma Body and Chassis Systems and a Magna International Company. Magna is a leading global supplier of technologically advanced automotive systems, components and complete modules. As one of the most diversified automotive suppliers in the world, Magna designs, develops and manufactures automotive systems, assemblies, modules and components, and engineers and assembles complete vehicles primarily for sale to Original Equipment Manufacturers (OEMs). Magna is recognized by the world's major OEMs for its innovative technology and product design and total vehicle program management

Karmax is located on the western fringe of Toronto, in Milton, Ontario. They employ 850 people in the Halton/Milton Area. Karmax is a 1 million square foot state-of-the-art full service tooling and automotive stamping operation for small, medium and large automotive panels. Their warehouse is fully automated using robotized material movers. They provide parts to Chrysler, GM and Ford.

Karmax is an industry leader in design and manufacture of exterior panels, underbody stampings and assemblies. The integration of their Design, Engineering, Program Management and Manufacturing function results in competitively priced products which meet the highest quality standards and the most demanding launch schedules. The strategic goal of Karmax Heavy Stamping is to be the Premier North American Tier One Supplier of high quality stampings, assemblies and body systems in

Canada, the USA, Mexico, and Europe.

The tour is limited to 50 people. Cutoff for registration is September 10 as Karmax requires a list of attendees. Note time: 1:45 pm for a 2 pm start.



Directions:

From Hwy 401 exit at Interchange 320 onto Martin St. (Rt 25) south. Turn right on Market Drive. Go until you see the KARMAX plant. If you get to Steeles Ave E, you've missed it.

\* Please sign up with Loris Giuricich by Sept. 10, at 416-448-2225 or e-mail to [Lgiurici@celestica.com](mailto:Lgiurici@celestica.com)  
 \$12 for members (CMTDMF -Canadian Machine Tool,

Die & Mold Federation- included), \$18 for non-members, student members \$6.  
 Comments: send email to: [sme26toronto@yahoo.ca](mailto:sme26toronto@yahoo.ca)

## Topics & Schedule 2004-2005

**Tour: SNS Paragon** Thursday October 21, 2004, 7 pm. Topic: Product testing, design engineering, prototyping and quality services for the automotive sector. 1641 Langstaff Road, Building B, Concord Ont. Confirmed. [www.snsparagon.com](http://www.snsparagon.com)

**Talk: Grinding.** Thursday November 18, 2004, 7 pm

**Talk: Machining.** Thursday January 20, 2005, 7 pm

**Talk: Press Manufacturing (stamping)** Thursday February 17, 2005, 7 pm

**Tour: Automotive plant** TBA, Thursday March 17, 2005. Time TBA.

**Tour: ABB Robotics,** Thursday April 21, 2005, 7 pm. Confirmed

201 Westcreek Blvd., Brampton.  
[www.abb.ca/](http://www.abb.ca/)

**Tour:** Hydroforming, Thursday May 19, 2005, 7 pm.

## Upcoming Executive Meetings

### MARK YOUR CALENDARS!

**EXECUTIVE MEETINGS 2004 6:30 pm start - all the first Wednesday of the month:**

**LOCATION:** George Brown College, Boardroom E244  
For additional information on the next meeting phone 416-535-1593, or [snguyen\\_2050@hotmail.com](mailto:snguyen_2050@hotmail.com)

Sep 8 2004	Feb 2 2005
Oct 6 2004	Mar 2 2005
Nov 3 2004	Apr 6 2005
Dec 1 2004	May 4 2005
Jan 5 2005	Jun 1 2005

## Bulletin Copy Deadlines

**NOTE:** Send material to Jenny Ono Suttaby at [jono@jentekcompany.com](mailto:jono@jentekcompany.com) by the following dates for inclusion in the upcoming Chapter Bulletin and web site posting:

October issue: by September 15  
November issue: by October 15  
December/January issue: by November 15

### Non-members can subscribe:

Price: \$2.50 Cdn. (included in the price of membership)  
Annual subscription to this Bulletin \$20 (8 issues) SME Membership \$85 USD available at: [www.sme.org](http://www.sme.org) or 313-271-1500

## RE BULLETIN DISTRIBUTION

*Dear Chapter 26 Members,*

This month we are sending an email notice of the September Bulletin to all those whose email addresses we have and sending a hard copies *only* to those without email addresses.

If you DO NOT wish to receive a Bulletin notice by email, please call me at 416-535-1593 or send email to me at [snguyen\\_2050@hotmail.com](mailto:snguyen_2050@hotmail.com) to arrange receipt of a hard copy.

Warm regards,

*Son Nguyen, Chair, SME Chapter 26 Toronto*

## Your Company flyer - Enclosure Special Offer!!

Chapter 26 is offering companies the opportunity to enclose their company flyer in our monthly Bulletin mailing, either as hard copy or by e-mail. We have a special offer for the coming year. Enclosure in

one issue:	\$300
four issues:	\$1000
eight issues	\$1800

We mail Bulletins 8 times a year (Sept., Oct, Nov, Dec/Jan, Feb, Mar, April, May) to nearly 500 manufacturing professionals in the GTA. For more information please get in touch with Ken Kogej, 416-274-2540 or [ken.kogej@sympatico.ca](mailto:ken.kogej@sympatico.ca)

The piece to be included must meet the following criteria:

- 250 folded flyers ready for stuffing into a #10 envelope supplied by 1 week after copy deadline.
- Is of interest to our membership - is manufacturing oriented (we don't want life insurance or travel brochures)
- Weighs less than 3 sheets of 8.5 x 11 in 20 lb bond paper. Larger items could be negotiated.
- E-mail addresses or links to web sites must be fully check and functional.
- We reserve the right to reject pieces we do not feel to be consistent with our professional goals and objectives.
- We reserve the right to change any of the above items without prior notice.

## The SME Chapter 26 Bulletin

The SME Chapter 26 Bulletin is published eight or nine times a season by the Toronto Chapter of the Society of Manufacturing Engineers (SME). The SME provides support for people and industries in manufacturing by providing opportunities for networking, professional development and technical information. Headquarters of this 70 year old professional society are in Dearborn, Michigan. For more information or to join, phone or email the Chapter Chair, Son Nguyen, at 416-535-1593, [snguyen\\_2050@hotmail.com](mailto:snguyen_2050@hotmail.com) or Headquarters at 1-800-733-4763. Talks and tours put on by the Chapter are listed on the Chapter web site at [www.sme-toronto-26.org](http://www.sme-toronto-26.org) Headquarters web site is at [www.sme.org](http://www.sme.org)

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Our continuing thanks to Professor Mark Fox, U of T, for hosting the Chapter's web site on his server at [www.novator.com](http://www.novator.com)

## AET: Alternative Energy Technology

Its now official. Alternative Energy Technology has now matured to the point where it earned a half page article in SME News Spring 2004 edition. It even forecasts that by 2020 200,000 new jobs will be created in the manufacture of fuel cells. I believe there could be more than this in wind power.

In addition Solar Power should be given another look. Currently solar cells cost about \$9 (US) a watt and generate a bit over 100 watts per square meter. Current cells are about 10% efficient. Recent articles in MIT's technology magazine have explored progress in making solar cells cheaper and more efficient. Two experimental technologies are producing electricity at efficiencies higher than 50%.

If we assume 2000 hours of sunlight on the roof of a house per year, and a 30 sqM solar collector at 500 watts per sq M, this setup would produce 30,000kwh or 40,000hp hours. Assuming a specific fuel consumption of .4 this would translate into a saving of 16,000 lb of fossil fuel (or 2,600 gal) per household. If we did this on every house and

building it would create many more jobs than the 200,000 listed above and would sure help with Kyoto and our dependence on foreign oil.

Some people are leading the way - witness the article in the Toronto Star, section D7, on July 26, "Here Comes the Sun" a special look at solar technology installed at, among other places, the Beach Solar Laundromat which the Chapter visited a year ago. ([http://www.thestar.com/NASApp/cs/ContentServer?pagename=thestar/Layout/Article\\_Type1&call\\_pageid=971358637177&c=Article&cid=1090794008884](http://www.thestar.com/NASApp/cs/ContentServer?pagename=thestar/Layout/Article_Type1&call_pageid=971358637177&c=Article&cid=1090794008884))

We have been saying in this bulletin that there will be a shift in employment in energy in the next 20 years. Our job is to warn our fellow SME members to prepare and to encourage government to assist all workers so they can make the shift.

*George Heintzman*  
[gheintzman@sympatico.ca](mailto:gheintzman@sympatico.ca)

## NB: Please! Update your information

Please check that your information in the SME headquarters database is correct or renew your membership online!

Phone toll free: 1-800-733-4763 or log on to the Web site: [www.sme.org/](http://www.sme.org/)

# Many Thanks to our **BULLETIN PUBLICATION** and **WEB SITE**

## **SPONSORS:**



Information and links at: [www.sme-toronto-26.org/](http://www.sme-toronto-26.org/)

## **AME's Annual Conference, October 18 - 22, Cincinnati, Ohio**

The Association for Manufacturing Excellence (AME) and SME have enjoyed a strategic partnership, including reciprocal membership discounts.

You may be interested in AME's Annual Conference October 18-22 in Cincinnati. North America's largest Lean conference, designed with SME member participation, is co-sponsored by SME and as such, members of SME receive conference registration discounts. More information about AME or AME's annual conference is available at [www.ame.org](http://www.ame.org).

We are asking both organizations to raise awareness in this very important strategic relationship, to further consider joint meetings and events. Opportunities exist for building technical meetings, presentations and tours related to AME's fall program. SME leaders should also feel free to contact any AME members in their area to coordinate

meetings and events.

Both AME and SME are looking for volunteers who may be interested in helping provide direction and planning for future conferences in both organizations. Please be aware of the opportunities that also exist in becoming more involved with AME as well as SME's Product and Process Design & Management (PPDM) Technical Community.

If you have any questions, comments or concerns, please do not hesitate to contact either Jeannine Kunz (SME's Manager of Member Alliances) at 313-425-3234 or me at 313-425-3216.

*Dan Glencer*

*Senior Chapter Administrator - Membership  
Society of Manufacturing Engineers*

*Ph: (313) 425-3216 --- Web: <http://www.sme.org>*

## **CLTA & OACETT Help Technically Skilled Immigrants**

Many immigrants have been trained as engineers or in engineering technology. In the year 2001, about 11,000 newcomers to Ontario identified themselves as engineers, and another 2,000 as engineering technicians and technologists.

Employers need more skilled and experienced workers to keep pace with global competition and to replace the skills that are being lost due to retirements.

The Ontario Association of Certified Engineering Technicians and Technologists (OACETT), in partnership with the Centre for Language Training and Assessment (CLTA), funded by the Ontario Ministry of Training, Colleges and Universities, has launched a significant new project to help remove barriers to employment for international engineering technicians and technologists. The \$1.5 million project is called Options: Choosing the Optimal Route to Success for Internationally Trained Professionals in the Field of Engineering/Applied Science Technology.

There are some who say the reason immigrant engineers cannot find work, at least in Toronto, is that the total number of immigrant engineers plus those who graduate from Canadian institutions exceeds the demand for engineers - that it is simply a matter of supply and demand.

The CLTA, OACETT and MTCU are enabling internationally trained professionals in engineering and applied science technology to prepare for certification in their chosen field and become designated Certified Engineering Technologists, Applied Science Technologists and Certified Engineering Technicians.

The Honourable Mary Anne Chambers, Minister of Training, Colleges and Universities, announced this new program on June 23, 2004

For more information please contact Sharon Leonard, Director of Member Services and Benefits. OACETT, 416-621-9621, ext. 242, [sleonard@oacett.org](mailto:sleonard@oacett.org), [www.oacett.org](http://www.oacett.org)