



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



### TOUR: Paragon Systems

Thursday evening, October 21, 2004  
7 pm Tour  
Please sign-up by October 15.

1641 Langstaff Rd.  
Building "B" (Units 14-17)  
Concord, Ontario  
Phone: 905-738-0447

A presentation will be followed by a tour of the facilities. You will see product testing in motion, CMM running in CNC mode, test fixtures & gages in design and fabrication stages, and much more. Please check out [www.paragonsystems.ca](http://www.paragonsystems.ca) for more information regarding SNS Paragon.

Paragon Systems is a full service technical development center for the automotive Tier 1 and Tier 2 companies. The company provides design engineering, ISO 17025 laboratory testing (mechanical, materials and metrology), prototyping, and quality services for the needs of the automotive sector. The pushdown of the responsibilities of the OEM's to the Tier 1 for full product responsibility, makes Paragon Systems a full service technical development center for automotive Tier 1 companies and the ideal place for technical resources.

Paragon Systems has business units that provide services from concept design to product launch:

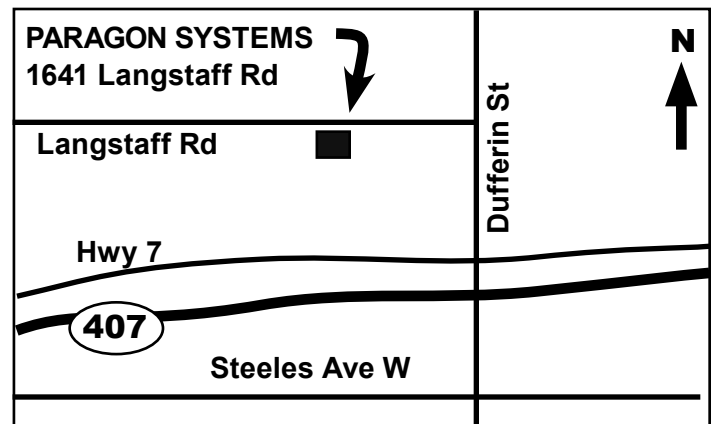
Design Engineering – provides design engineering services from concept through design validation to the product validation phase.

A2LA accredited testing laboratory – provides testing in all facets of product design and prove out phase. The Laboratory has a full vehicle size environmental chamber which simulates all regions of the world for climatic and humidity changes ranging from the cold Alaskan climate to Arizona's hot, dry desert climate. This laboratory has various mechanical, chemical and material testing equipment

to perform vibration testing, chemical composition analysis of any metal components, weld penetration inspection, corrosion analysis and failure investigation.

Prototype/gage – designs and manufactures dies and parts of metal and plastic prototypes for various Tier 1 and Tier 2 companies. Paragon Systems has a full machine shop and a 300-ton hydraulic press to make parts and attribute gages for the automotive Tier 1 and Tier 2 companies.

Quality services: Accredited through ISO17025 Laboratory to perform PPAP and CMM services



Directions:  
Paragon Systems is located just west of Dufferin Street and Langstaff Road (on the south side of Langstaff, across from Tim Horton's).

\* Please sign up with Loris Giuricich by Oct. 15, 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

**Talk: Grinding.** John Manley, Machine Tool Systems Inc. Thursday November 18, 2004, 5:30 meet and greet, 6 pm dinner, talk 7 pm. Confirmed.

**Talk: Machining.** Thursday January 20, 2005, 5:30 meet and greet, 6 pm dinner, talk 7 pm. Confirmed.

**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.

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

## 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:

November issue: by October 15

December/January issue: by November 15

February 2005 issue: by January 15 '05

March issue: by February 15.

## 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)

Nov 3 2004

Mar 2 2005

Dec 1 2004

Apr 6 2005

Jan 5 2005

May 4 2005

Feb 2 2005

Jun 1 2005

## 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)

## 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

## Beach Solar Laundromat Wins European Environmental Award

The 'bremen partnership award' 2004 has been won by the Beach Solar Laundromat from Canada. Patron Prof. Klaus Töpfer, Director of the United Nations Environment Programme (UNEP) and Jens Eckhoff, Bremen's Senator of the Environment presented the 'bremen partnership award' 2004 to Alex Winch on September 23, 2004, for the project "Beach Solar Laundromat Wash and Fold", an award of 20,000 euros.

The jury chose the Canadian solar-powered laundrette "Beach Solar Laundromat Wash and Fold" for its sustainability. On the one hand, the use of solar energy reduces CO2 emissions by 40%; on the other hand, laundrette owner Alex Winch, has created jobs for immigrants. This has been in cooperation with a community initiative to facilitate their integration and language acquisition.

The Wash & Fold Partnership was established in 2003, and sees Neighbourhood Link/Senior Link hire and train clients from its Newcomers Program to provide a Wash & Fold service in the Laundromat. The clients learn English while speaking to Wash & Fold and self-serve customers, and earn a competitive wage. The Beach Solar Laundromat was recognized in April 2004 with awards from the Canadian Council of Ministers of Environment as Best in Canada, Small Business Pollution Prevention and Best in Canada, Greenhouse Gas Emission Reduction.

## 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.

# EXECUTIVE LIST

Office	Name	Company	Phone	E-mail
Chair	Son Nguyen		416-535-1593	snguyen_2050@hotmail.com
Chair Elect	Farhad Shafiei	Commercial Roll Fmd Prod	905-790-5665	fshafiei@commercialroll.com
Secretary	Rick Marmeï	Axis Design	416-291-5866	rmarmeï@axis-design.org
Treasurer	Wen Chen	SNS Paragon	416-233-3203	w.chen@utoronto.ca
Secretary-assist.	Paul Ellis	Buchner Mfg	705-437-1734	pauellis7@hotmail.com
Education	George C. Heintzman	Systems Consultant	416-467-8298	gheintzman@sympatico.ca
Programs Chair	Ken Kogej	Fuchs Lubricants Canada Ltd.	416-274-2540	ken.kogej@sympatico.ca **
Programs-Tours	Loris Giuricich	Celestica Inc.	416-448-2225	Lgiurici@celestica.com
Programs	George C. Heintzman	Systems Consultant	416-467-8298	gheintzman@sympatico.ca
Sponsorship Ctte	Bruce Keeling		705-487-3970	bandi@sympatico.ca
Sponsorship Ctte	Joe Benedetto	JRB Enterprises	416-267-2102	jrbone@attglobal.net
Sponsorship Ctte	Son Nguyen		416-922-3560	snguyen_2050@hotmail.com
Executive Advisor	Joe Benedetto	JRB Enterprises	416-267-2102	jrbone@attglobal.net
RP Liaison	Vesna Cota	Tyco Electronics Canada Ltd.	905-474-5541	vcota@tycoelectronics.com
Bulletin & Web Site	Jenny Ono Suttaby	Jentek Company	416-761-1810	jono@jentekcompany.com
Member at large	David Booz **	Booz Engineering	416-806-2669	dbooz@golden.net
GBC Student Rep	Mark Morreale	GBC	416-654-3310	mark.morreale@sympatico.ca
U of Toronto Stu Advisor	Beno Benhabib	Professor	416-978-3447	beno@mie.utoronto.ca
Chair U of T Stu Chapt	Parineeta Nayyar	U of T Student	905-770-6371	sme_exec@yahoo.ca
Ryerson U Stu Advisor	Farrokh Sharifi	Professor	416-979-5265	fsharifi@acs.ryerson.ca
Chair Ryerson Stu Ch 165	Jason Samara	Ryerson Student	416-282-0122	msamara@iprimus.ca

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)

## Thinking of Outsourcing? Think Again...

CERNOBBIO, Italy -- Samsung, the Korean electronics giant, has achieved rapid growth in recent years by embracing a strategy of in-house production and investment in manufacturing research and development. The company, with sales last year of \$36.4 billion, up from \$26 billion in 2001, focuses on keeping secret its "black box" manufacturing technologies and processes.

Samsung has no intention of losing its manufacturing advantage through outsourcing. A strategy that focuses on perfecting manufacturing processes and integrating suppliers is leading to the "rebirth of the manufacturing giants" such as Toyota and Dell Computer, Song told the audience of almost 500 international executives and researchers. These companies have embraced business models that emphasize the importance of manufacturing. The manufacturing giants are proving to be dominant in each of their respective industries. "Nobody else can copy them," Song said.

"If we got out of manufacturing, we lose," Ji Oh Song, ex-

ecutive vice president of Samsung Electronics, told the Intelligent Manufacturing Systems (IMS) Global Challenges in Manufacturing conference held here in May. Advanced manufacturing technologies "enable extreme productivity" and provide companies with a long-term competitive advantage, said Song. Co-locating research and development activities with manufacturing "is very important and leads to faster market domination."

The companies that are dominating their industry segments rely on technologies that focus on digital convergence, customized production equipment and unique product technologies.

Samsung's Strategy In Manufacturing: Speed And Minimum Capital Investment.

This information was obtained at [www.manufacturing-news.com/news/04/0601/art1.html](http://www.manufacturing-news.com/news/04/0601/art1.html)

*George Heintzman  
gheintzman@sympatico.ca*

## Slate of Nominees for 2005

Consent has been given by the following candidates to stand for office for the year 2005, as follows:

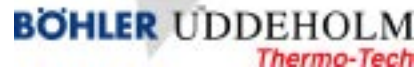
Farhad Shafiei, Chair  
Wen Chen, Chair Elect  
Rick Marmeï, Secretary.

The position of Treasurer is open for nominations

Elections will take place at the Program and General Meeting on Thursday November 18, 2004. At that time nominations from the floor will be accepted. A seconder is required and the nominee must be present and clearly express the desire to stand for the office to which he/she is nominated.

# 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/)

## 1st Annual Manufacturing Technology Summit Report

The 1st Annual Manufacturing Technology Summit was a great event for Engineers from the manufacturing industry. The summit brought together researchers and industry peers to feature the emerging trends and successful applications of technology in manufacturing. It provides an environment in which ideas, research, and technology can be shared across the entire manufacturing enterprise.

The summit offered Engineers the opportunity to understand new developments in various fields of manufacturing. Conference sessions were organized into various categories including Lean manufacturing, machine design technology, and manufacturing processes.

It presented an excellent opportunity to network with top leaders in the manufacturing industry. The unique format of one-hour sessions worked coherently with interesting technical topics.

Several presentations promoted some common goals for a good manufacturing organization. They emphasized that an organization succeeds if its team members understand the mission statement and work coherently to meet the common goal.

### Lean Manufacturing

One of the goals of the summit was to emphasize the importance of lean manufacturing and its benefits in various manufacturing plants. Sessions emphasized the importance of Lean manufacturing concepts at both industry and university levels. The concepts such as Kanban are taught through simulation in an 8 hr workshop for emerging engineers. At industry level, major process flows should be re-engineered using Six Sigma and Lean. This includes collection of real-time information with instant feedback. In addition, information should be meaningful and actionable

for Six Sigma Blackbelts to direct company into achieving quality results. It was reiterated that lean is a cultural change so has to be driven by management to be implemented successfully.

### Manufacturing Design

In the field of design, the speakers introduced software that allows engineers to view any type of engineering drawings including Unigraphics, SolidWorks, Ideas and Catia. One of the researchers presented a Knowledge Based System that allows virtual manufacturing and allows experimentation with new methods. This reduces the cost of R & D and makes it easily adaptable in a manufacturing facility.

### Manufacturing Processes

Speakers presented strategies to overcome common obstacles such as conveying company's bold goals in a way which can be easily understood by the team members. This includes maintaining a standardized work process, which leads to quality. Companies with several engineering centers across the globe benefit from implementing standardized work procedure across all divisions. A good manufacturing process identifies problems before they occur and makes them visible to the employees. This reduces manufacturing time and more importantly it minimizes cost.

All the attendees appreciated SME organizers' hard work and efforts in organizing a fantastic Manufacturing Summit. As a university student and a Chair of the university chapter, I really took a lot from this Summit. It incited great ideas for thesis projects and also some great thoughts for organizing such conferences at university level for undergraduate and graduate students.

*Parinteeta Nayyar*  
*Chair, University of Toronto Student Chapter*  
*sme\_exec@yahoo.ca*