



The Manufacturing Society  
Northern Lights Chapter #370

# The Northern Light

January 2005

Your SME Northern Light Newsletter can be viewed online at <http://chapters.sme.org/370/>.  
For improved delivery efficiency, please provide your e-mail address to [smenlc@yahoo.ca](mailto:smenlc@yahoo.ca).

## Let the Chips Fall...

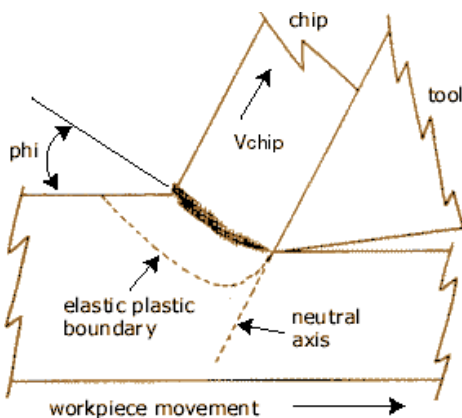


Ever wonder what it takes to make chips fly and result in a finished machined part? Ever wonder if someone was pulling your leg when saying "it will take twice as long to machine it from that material..." or "your not serious about those dimensions are you???". If so, you need to attend our technical dinner presentation on January 12<sup>th</sup>, 2005!



This month's meeting will be presented by two of N.A.I.T.'s top machining instructors, setting the record straight about tool geometry, inserts, speeds and feeds, material considerations and machining processes. In addition, they will also shed some light on good dimensioning practices to optimize the manufacturability of your products.

Terry Knutson is an instructor at the Northern Alberta Institute of Technology (N.A.I.T.), a Journeyman Machinist and a Journeyman Millwright. He has been an instructor for the past seven years training Alberta apprentices from first year to Journeyman level Machinists. He has also been involved in the training of Computer Numerical Control (CNC) Technicians. His experience in industry includes working for Texsteam, Prairie Welding and Machining, Shaffers Oilfield, Alberta Transportation and Utilities and Alberta Power Ltd. Terry has also been involved with Skills Canada participating on both a provincial and national Technical Committee for the Precision Machining competition.



David Grabski is the Assistant Program Head for the N.A.I.T. Machinist Program teaching machining and millwright for approximately ten years. David grew up on a farm near Calmar, Alberta, and started out as an apprentice welder-fitter. Today David is a Journeyman Machinist and Journeyman Millwright. He worked for various companies in Alberta's oil and gas industry and owned a machining/weld-repair company prior to joining N.A.I.T. in 1995. David has previously held the position of Chair of the Skills Canada Technical Committee and is currently in the process of obtaining his Engineering Technologist certificate.

And remember... **Member pricing is always extended to members of other technical societies such as ASM, AWS, CWA, NACE, CSME, ASME, etc.**



### WHERE TO GO!

U of A Faculty Club  
11435 Saskatchewan Drive  
Wednesday, January 12, 2005  
Social Hour 5:30 – 6:30 pm  
Dinner 6:30—7:30 pm  
Presentation 7:45 pm

COST: \$20 members  
\$25 guests  
\$10 student members  
\$15 student guests

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### WHO TO CALL!

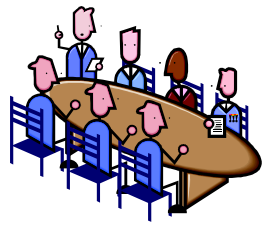
RSVP to SME voice mail at **619-0647** or e-mail [smenlc@yahoo.ca](mailto:smenlc@yahoo.ca) by the end of the day Monday, January 10<sup>th</sup>, 2005.



**PLEASE DO NOT "REPLY" TO THIS NEWSLETTER**

The SME Northern Lights Chapter normally holds technical meetings on the second Wednesday of each month except for the months of April (Capstone Honours – please note change from March to April), July, and August.

## Northern Lights Chapter Executive



### Chair

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**VACANT**

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Thank you for reading the *Northern Light*. If you are interested in presenting at an SME dinner, please contact Serge Lemay, [slemay@streamflo.com](mailto:slemay@streamflo.com). Kindly include the field you are working in and the subject you are interested in presenting to the chapter members and guests. Thank you.

## Mark your calendar:



**'05 Capstone Honours** - Join us in April 2005 for a dinner-theatre style evening of delicious food and top design project presentations as students from their last year of mechanical engineering compete to represent the University of Alberta at a national competition. More details coming soon.



## SME Seminar Series Materials Used in the Upstream Oil and Gas Industry

Presenter: **Dr. Bruce Craig**, MetCorr,  
Houston, USA,  
Feb 25, 2005 (Friday) at the University of Alberta



**Alley Cat Brewery Tour** - Join us in February as our regularly scheduled SME Dinner Meeting will take us on a tour of the Alley Cat Brewery. Please see the February Northern Light Newsletter for details

## Looking for a \$100,000 Boost for Your Start-Up Company?

One of the largest business plan competitions of its kind in Canada, Greater Edmonton's VenturePrize Business Plan Competition is designed for individuals, companies, and faculty and students of post secondary institutions who have high-growth business ideas. This competition is designed to get you thinking and moving towards realizing your dreams.

Through seminars, tools, templates and the mentorship program, VenturePrize will help you transform your idea into a solid plan for growth!

This Year's Prizes include:

- Grand Prize Winner receives \$100,000 (\$25,000 cash, \$25,000 in-kind business services, \$50,000 in-kind research & technology commercialization services)
- Two Runners Up receive \$10,000 in cash and \$10,000 in-kind services

A panel of blue-ribbon judges, consisting of business and financing professionals, will evaluate the business plans. Judges are looking for business ideas that are high-growth, feasible and that articulate believable answers.

**Entry deadline for Business plans is Jan. 31!** For more information, visit [www.ventureprize.com](http://www.ventureprize.com)

(Source: EEDC Business Development e-Newsletter December 2004)

## Remember to keep SME information current

We do not wish any of our members or friends to miss a newsletter. Please make sure to inform the newsletter editor of any changes to your email or employment address.

If you have any newsworthy stories or information, we would be pleased to include it in our newsletter, subject to editorial approval.

If you know of anyone who would like to receive this newsletter, please forward his or her address to Doug Small at [dougsmall@shaw.ca](mailto:dougsmall@shaw.ca). The best part about it - it's FREE!!