



The Manufacturing Society
Northern Lights Chapter #370

The Northern Light

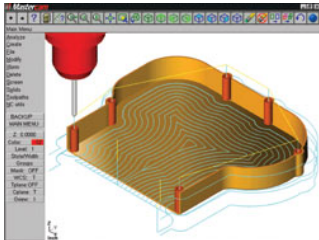
May 2005

New Hyperlink Edition - Please try our new active website and e-mail links.

For improved delivery efficiency, please provide your e-mail address to smenlc@yahoo.ca.

Yes...You CAM!

www.caledonian.ca



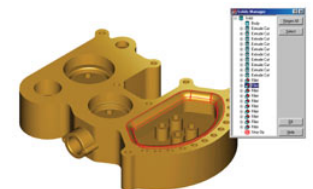
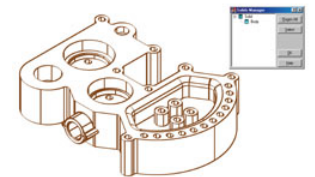
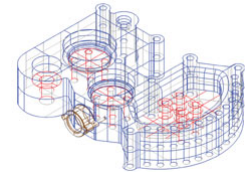
Please join us in May for a presentation by Brian Vandenberg of **Caledonian CAD/CAM Inc.** and learn what is required to transform a 2D/3D drawing into a CNC program? Experience first hand the power of the CAD/CAM partnership as Brian performs a live demonstration showing how you can transform an AutoCAD and SolidWorks drawing into a CAM file using Mastercam. This process can also be performed with many other 2D or 3D software design packages such as Pro/Engineer.



Brian will also explain the concept behind tool path generation with the assistance of a simulator and will also touch on design considerations that can improve manufacturability.

The presentation is intended to help designers understand what is involved when transforming CAD drawings into CNC programs, ultimately promoting more error-free and efficient file conversion.

Based in Edmonton and Calgary, Caledonian CAD/CAM Inc. has been providing CNC sales and service for over 10 years. They offer seamless integration of new CAD/CAM and DNC (Direct Numerical Control) software, certified CAD/CAM and DNC software training, and responsive technical support and assistance. They also specialize in the implementation of tools for CNC Programming and NC code Optimization, shop floor DNC Communications, reverse engineering and inspection software.



Brian's Background is in Computer Science. He became involved in Mastercam while running his own small business where he used Mastercam to cut wood moulds for creating ceramic castings. Brian was asked to move out to Edmonton about 3 years ago to become part of the Caledonian CAD/CAM Inc. team.

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, May 11, 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!

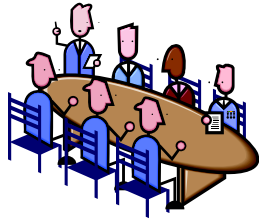
RSVP to SME voice mail at **619-0647** or e-mail smenlc@yahoo.ca by the end of the day Monday, May 9th, 2005.



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



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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. 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:



We are pleased to have Noetic Engineering Inc. at our June SME Dinner Meeting and look forward to their presentation on threaded connections which will include discussions on design, oilfield applications & selection, and quality assurance issues.



www.amtech-group.com

Please note that the presentation by Amtech Aeronautical Limited, a professional engineering company involved in the aeronautical and military engineering areas, that was originally scheduled for May has been rescheduled for October. We apologize for any inconvenience this may have caused.

SME Annual Seminar a Resounding Success

Our annual seminar, jointly organized by the local chapters of SME and ASM, was held at the University of Alberta on February 25. This years topic "Materials Used in the Upstream Oil & Gas Industry" attracted a sell out crowd.



Dr. Bruce Craig, president of MetCorr, spent the day lecturing on theoretical metallurgical principles and backed them up with several practical examples from his years spent in the oil and gas industry. Particular attention was paid to sour gas environments and the new NACE MR-0175 & ISO 15156 standards.



Dr. Bruce Craig with Members of the SME Seminar Committee (left to right): Calvin Austrom, Rick Chetram (Chair-Elect), Dr. Bruce Craig, & Matthew Webster (Treasurer).

Once again, the event was an unqualified success with the feedback surveys showing 98% of attendees were satisfied with the seminar. Special thanks should go out to all the attendees, organizers, and of course our speaker, for combining to make this years seminar possible. Look for information on next year's seminar in November's SME newsletter.

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. The best part about it - it's FREE!!

Your SME Northern Light Newsletter can be viewed online at <http://chapters.sme.org/370/>.