



The Manufacturing Society
Northern Lights Chapter #370

The Northern Light

March 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.



Tour of IRISNDT

www.irisndt.com

From kitchen piping to the space shuttle, it is common practice to inspect components that need to be structurally reliable. Today's fabricators use a host of non-destructive examinations (NDE) that range from simple visual inspections to state of the art computerized radiography. Based on sound physics principles, these NDE techniques are used for determining the quality or characteristics of a material, part, or assembly without permanently altering it or its properties.

This introduction to NDE will be presented by IRISNDT personnel and will include a brief overview of the more commonly used NDE techniques such as radiography, liquid penetrant inspection, magnetic particle inspection, and ultrasound. The underlying principles behind the workings of various NDE techniques will be explained. There will also be opportunities to see some sample materials, with and without defects, as well as some basic NDE equipment.



Since its founding in 1953, IRISNDT has continuously increased its expertise and experience in all aspects of the NDE industry in order to better support Alberta fabricators.



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!

IRISNDT
5908-96 street
Wednesday, March 09, 2005
Social: 5:30 pm
Dinner: 6:00 pm
Tour: 6:45 pm

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

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WHO TO CALL!

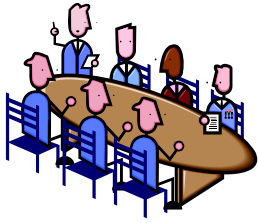
RSVP to SME voice mail at **619-0647** or e-mail smenlc@yahoo.ca by the end of the day Monday March 07, 2005.



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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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:



'05 Capstone Honours - Join us Wednesday April 6, 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. See you there.



www.amtech-group.com

Join us in May as our regularly scheduled SME Dinner Meeting will be a presentation by Amtech Aeronautical Limited, a professional engineering company involved in the aeronautical and military engineering areas. Please see the May Northern Light Newsletter for details.

The *CAPSTONES* are coming..... Wednesday April 6, 2005 University of Alberta Faculty Club



The 5th annual event recognizing outstanding design talent graduating from the University of Alberta Mechanical Engineering class is upon us.

Be a part of the excitement! If you did not receive an invitation to last years event call or email the SME to reserve your spot. Hurry, this event will sellout!!

Phone: (780) 619-0647

Email: smenlc@yahoo.ca

See You There!

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/>.