



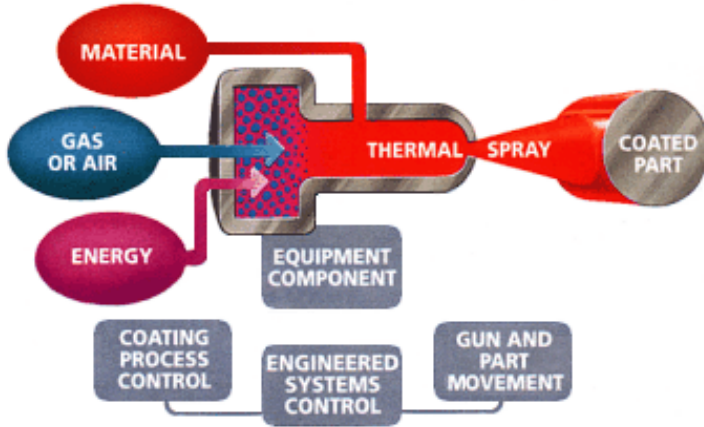
The Manufacturing Society  
Northern Lights Chapter # 370

# The Northern Light

January 2006 'Happy New Year!'

Check Out our new Improved Website!!  
<http://chapters.sme.org/370/>

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](mailto:smenlc@yahoo.ca).



SME Northern Lights Chapter proudly presents

Mr. Brent Bartlett of ...

**Sulzer Metco**

[www.sulzermetco.com](http://www.sulzermetco.com)

January 11, 2006 at the U of A Faculty Club

Sulzer Metco is the world leader in the design, manufacture and supply of thermal spray materials, equipment and integrated system solutions serving aerospace, automotive, power generation and other specialty markets. Their advanced surface treatments enhance the external properties of a given object by providing protection from mechanical wear, chemical reaction or by altering the surface functionality.

Sulzer Metco supplies handheld, fixed, and robotic equipment to meet specific manufacturing needs, utilizing processes including:

- \* Plasma
- \* HVOF (High Velocity OxyFuel)
- \* Powder & Wire Combustion
- \* Electric Wire Arc
- \* Chamber Spraying (VPS, LPPS, LVPS, CAPS)

Sulzer Metco is headquartered in Winterthur Switzerland with thermal spray manufacturing facilities in Westbury New York, Vowwerk Germany and Fort Saskatchewan Alberta. In addition they currently have 17 coating services facilities worldwide. Additional details about the company can be found on their website at [www.sulzermetco.com](http://www.sulzermetco.com).

The speaker Brent Bartlett is a senior Research and Development Technologist at Sulzer Metco Canada and has been with the company for 19 years. Brent is a voting member of the NADCAP (National Aerospace and Defense Contractors Accreditation Program) coatings task group, has been a member of the ASM thermal spray society for 8 years, is a certified coating evaluator for General Electric Aero engines and holds a diploma in Metallurgy (ASM) just to name a few of his qualifications. Brent's presentation will cover topics such as surface science, equipment theory, process design and selected applications.

## WHERE TO GO!

U of A Faculty Club  
11435 Saskatchewan Drive  
Wednesday, January 11, 2006  
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

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

## WHO TO CALL!

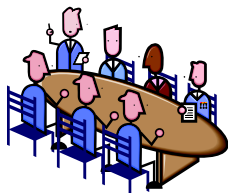
RSVP to SME voice mail at **619-0647** or e-mail [smenlc@yahoo.ca](mailto:smenlc@yahoo.ca) by the end of the day Monday, January 09, 2006.



**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 2006



### Chair

Rick Chetram, [rchetram@shaw.ca](mailto:rchetram@shaw.ca)  
NAIT, 471-8739

### Chair-elect

Geoff Steele, [gsteele@vaportechinc.com](mailto:gsteele@vaportechinc.com)  
VapourTech Energy Services, 485-1906

### Past Chair

Andrew Hanson,  
[andrew.hanson@canada.weatherford.com](mailto:andrew.hanson@canada.weatherford.com)  
Weatherford Wellhead Services, 436-4450

### Secretary

Hesham Ahmed, [h.ahmed@tinspections.com](mailto:h.ahmed@tinspections.com)  
T&T Inspection & Engineering. 966-9588

### Treasurer

Jason Shewchuck,  
[jason@bijouenhancements.com](mailto:jason@bijouenhancements.com)

### Vice-Chair, Membership

Mark Lea-Wilson,  
[mark.lea\\_wilson@natoil.com](mailto:mark.lea_wilson@natoil.com)  
National Oilwell, 944-3952

### Vice-Chair, Tech Program

Alex Connell, [alex.connell@sulzer.com](mailto:alex.connell@sulzer.com)  
Sulzer Metco, 992-5117

### Vice-Chair, Special Projects

Calvin Austrom, [caustrom@masterflo.com](mailto:caustrom@masterflo.com)  
Master Flo Valve Inc, 468-4433

### Newsletter Editor

Stephen Parkes [shparkes@shaw.ca](mailto:shparkes@shaw.ca)  
LOP Inc, 463-7001

### Capstone Committee Chair

Craig Clark, [cwclark77@yahoo.com](mailto:cwclark77@yahoo.com)  
Weatherford Completion Services, 465-9311

### Mailing Address

Society of Manufacturing Engineers  
Northern Lights Chapter #370  
5328 Calgary Trail South  
Box 1333  
Edmonton, AB T6H 4J8

## Thank you...

for reading the *Northern Light*. If you are interested in presenting at an SME dinner, please contact Alex Connell, [alex.connell@sulzer.com](mailto:alex.connell@sulzer.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:

Our next technical dinner meeting will be held on January 11, 2005.

### Reminder:

Students / Student Members that attend SME Dinner meeting have a chance to qualify for a FREE Dinner on SME. Drawn at the end of the meeting.

**SME Launches new book...**The Society of Manufacturing Engineers (SME) announced the release of *The Hitchhiker's Guide to Lean: Lessons from the Road* [www.hitchhikersguidetolean.com](http://www.hitchhikersguidetolean.com), a book that shares lessons learned from real applications and results of applying lean.

## The Capstone Committee Announcement!

The Capstone Committee is currently seeking donations for 4 - 4' x 8' x 1/4" 304 Stainless Steel plates to manufacture trophies for Capstone awards. The materials and time to manufacture the trophies are all donated from the manufacturing community. Please contact a committee member if you can help or know of someone who can.

ASM International and SME jointly present  
a one day seminar on "**Metallurgical Failure Analysis**"

Presenter: Dr. R. Craig Jerner *PhD PE*  
J.E.I. Metallurgical Inc. Dallas, TX, USA

**Friday, February 24, 2006 at the  
University of Alberta Campus, Edmonton.**

*See attached registration package for further details.*

## Joke of the Month!

There was an engineer who had an exceptional gift for fixing all things mechanical. After serving his company loyally for over 30 years, he happily retired. Several years later, the company contacted him regarding a seemingly impossible problem they were having. They had tried everything and everyone to get the machine fixed, but to no avail. In desperation, they called on the retired engineer. The engineer reluctantly took the challenge. He spent a day studying the huge machine. At the end of the day, he marked a small "x" in chalk on a particular component of the machine and proudly stated, "This is where your problem is." The part was replaced and the machine worked perfectly again. The company received a bill for \$50,000 from the engineer for his services. They demanded an itemized accounting of his charges.

The engineer responded:

1. One chalk mark . . \$1 2. Knowing where to put it . \$49,999 .

## 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 Stephen Parkes at [shparkes@shaw.ca](mailto:shparkes@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/>.