



The Manufacturing Society  
Northern Lights Chapter # 370

# The Northern Lights

May 2007

For the latest information check-out  
<http://chapters.sme.org/370/>

If you would like to be added to our monthly newsletter visit:  
<http://maillists.bijouenhancements.com/lists/>

Join SME Northern Lights Chapter May 9th at 6pm on a Technical Presentation and Tour of ....

## Millennium Decking Inc.

Millennium Decking Inc., located in Nisku, is the developer and manufacturer of composite decking systems. Unique extruded products (interlocking boards and trim) are made of recycled PVC and wood flour. This system offers exceptional properties (the best characteristics of wood and PVC), thermal stability, resistance to moisture, slip resistant even when wet, drills like wood, requires low maintenance, and provides long term durability. Unlike other polymers, this decking does not distort, crack or become too hot to touch. The product is made entirely of recycled material (PVC and wood flour).

On this tour, we will visit a new palletizing plant where PVC raw material, wood flour and colorant are mixed and palletized. On the manufacturing floor, two extrusion lines produce decking boards. Additional extrusion lines manufacture trim components. Material and component testing will be demonstrated in a laboratory. A visit to the boardroom will feature a discussion of the unique combination of materials and the superior product characteristics not available in products from competitors.

Pizza dinner will be served immediately following the plant tour.

### WHERE TO GO!

Millennium Decking Inc.  
1408 7th Street, Nisku  
Wednesday, May 9, 2007  
Plant Tour: 6:00 pm  
Dinner: Following Tour

Member \$20  
Non-Member \$25  
Student Member \$10  
Students \$15

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

Please RSVP by the end of the day Monday, May 7, 2007.

RSVP Online for our event at

<http://maillists.bijouenhancements.com/sme/>

**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 month of July and August.

**REMEMBER...**

Students and student members that attend the SME dinner meeting have a chance to win a FREE dinner drawn at the end of the meeting.

## **Congratulations to All 2007 Capstone Award Winners!!**



### **Formula SAE Wheel Hub**

Northern Lights Award for Technical Excellence

Brian Bobyk  
Claire Ennis  
Carl Feniak  
Anson Wong

### **Spa Pump**

Thorsten Watterodt Design Creativity Award

Megan Bowen  
Oliver Kohlhammer  
Daniel Lunn  
Daniel Norton

### **Instrumented Speed Skate**

Precimax Design for Advanced Manufacturing Award

#### **2007 Capstone Awards Representatives**

Michael Cowie  
Tiffany Lau  
Victor Vun  
Kody Warriner

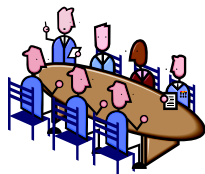
### **Variable Geometry Track**

Northern Lights Design for Manufacture Award

Ian Friesen  
Daniel Kusler  
Brady Mercer  
Robin Stretchr

This year was a record-breaking year with over **140** people in attendance. The Capstone Awards committee would like to thank all the SME members who came out to attend the event. Without you, these awards wouldn't be possible. We would also like to thank the Formula SAE and ARVP projects for having their vehicles on display during the event as well as the Department of Mechanical Engineering at the UofA for their help in coordinating the event.

## Northern Lights Chapter Executive 2007



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## Thank you...

for reading the *Northern Lights*. If you are interested in presenting at an SME dinner, please contact Dave Budney, [drbudney@shaw.ca](mailto:drbudney@shaw.ca). Kindly include the field you are working in and the subject you are interested in presenting to the chapter members and guests.



<http://www.millenniumdecking.com/>

## Did you Know ?

**SME Offers Professional Development in the following areas:**

- SME Certificate Programs
- Certification
- Corporate & On-site Training
- Jobs Connections
- Online Courses
- Library Resources

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[www.sme.org](http://www.sme.org)

under Professional Development



SME and AME have joined up to give you the Lean Certification Program: A multi-level program recognizing tactical, integrative, and strategic application of standard Lean principles. To learn more visit: [http://www.sme.org/cgi-bin/cerhtml.pl?cert/lean\\_certification.htm&&SME&](http://www.sme.org/cgi-bin/cerhtml.pl?cert/lean_certification.htm&&SME&)

Lean Manufacturing E-Newsletter available from SME at [www.sme.org](http://www.sme.org)

**LEAN DIRECTIONS**  
The e-Newsletter of Lean Manufacturing

## 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 Caren Steele at [cgsteale@shaw.ca](mailto:cgsteale@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/>.

# Edmonton 2007 Lean Conference ~ Bulletin #5

600 Representatives from 26 US States, 8 Canadian Provinces, & 6 Countries, attended in 2005



JUNE 18 -21 2007

## 2007 Canadian Regional Conference **Success In Manufacturing** Implementing and Sustaining A Lean Organization

### 8 Top Keynoters with Powerful Messages

**David Hogg** is the founding President of both HPS Inc. and the HPM Consortium which developed the model for most Lean consortiums in Canada, Australia, and the US. David will share cultural issues drawn from over 30 years of experience that impact the implementation and sustainment of competitiveness-enhancing approaches in companies and consortiums.

### Tour Shows Lean Improvements in Action

**Dyna-Flo Control Valve Service Ltd.** – In the tour to Dyna-Flo you will witness many of the best practices they have implemented including KANBAN systems and 5S in both their shop and office. They will show how they constantly improve their set up & run time reductions, product assembly, and test cells in the plant. Dyna-Flo focuses on cultural change to provide top quality products and services to the process control industry throughout the world.

### Inspiring Workshops Accelerate Your Journey

**How to Create a Lean Formula for TPM in Your Plant** - Moving from reactive maintenance and run-to-failure-mode to a more total productive preventative maintenance (TPPM) in a Lean environment. *Jerry Wright* will address specific topics such as CMMS (computerized maintenance management systems), spare parts inventory and maintenance, operator training and preventative maintenance, and much more...

**Lean 201: Lean Applications in a High Mix, Low Volume Manufacturing Environment** - This is an experiential work-shop that explores the challenges and potential benefits of implementing Lean principles in HMLV manufacturing operations that have front end batch processes with a back end assembly process. **Robb LaBranche & Barry Brown** will combine Lean principles, participant exercises, sharing of participant experiences and a series of simulations to provide an understanding of lean principles and their application to HMLV manufacturers.

### 36 Presentations in 4 Value Streams

The four streams focus on: People, Process, Culture, and Organization. Leaders have been selected from companies who have achieved success in these areas such as: ACE Metal Crafts - In this dynamic presentation, attendees will see how developing a Lean culture is critical to a successful Lean implementation. Attendees will see how incorporating Lean philosophies in a culture driven world by nurturing the value in others, results in a culture to *Lean On*. Ace Metal Crafts is a custom stainless steel fabrication job shop that specializes in a high-variety, low-volume product mix.

**Steelcase** - The presentation will cover the governance process and accountability structure within which project work occurs, and illustrate the lessons learned, through beginning to end case examples. Steelcase has been applying Lean principles in manufacturing operations since 1996 and in 2003 began bringing these same principles to bear on its enterprise business processes.

Don't forget to visit [www.measureupforsuccess.com](http://www.measureupforsuccess.com) for new program details as they unfold this week.

### An Opportunity for the Next 30 Companies

If you are among the first of 30 companies to register 4 team members - a 5<sup>th</sup> team member can come FREE. There will be no other future promotions! Once 30 companies have signed up - all remaining registrations will be at the full price.

Register online at the conference website [www.measureupforsuccess.com](http://www.measureupforsuccess.com)  
Or, simply call Edrea at 224-232-5980 x223