



Edmonton Chapter News

Last Month

ASM November Dinner Meeting Recap Greg Nelson

Greetings!

The technical dinner meeting on November 22nd at the University of Alberta Faculty Club featured a presentation from ASM Canada Council Chair Dr. John Wolodko on the topic of the Alberta oilsands. This talk was the ASM Brian Ives Canada Council Lectureship and was also presented by Dr. Wolodko to the other five Canadian chapters. The event was well attended by both industrial and academic members, with a total of 31 guests. Dr. Wolodko gave a background on the Alberta oilsands and the MARIOS (Materials and Reliability in the Oil Sands) program initiated at Alberta Innovates Technology Futures (formerly the Alberta Research Council). He discussed the common materials challenges on both the mining and processing sides of the oilsands. The door prizes were ASM Edmonton gift certificates – valid for one free technical dinner meeting. We would like to thank the members of ASM Edmonton for their continuous support of both the chapter and ASM Canada Council. The next dinner meeting will be on Thursday, January 26th, 2012 on Steam Generator Inspection, presented by J.J. Letcavtis. The ASM Edmonton Executive wishes everyone happy holidays and a great new year!



Dr. Wolodko speaking about wear issues in the oilsands as part of

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the Brian Ives Lectureship presentation



Long-time member Jim Seale receiving his gift certificate from ASM Edmonton Chapter Chair, Katherine Jonsson

January Events

Technical Dinner Meeting

For our third technical dinner meeting of the season, we will be welcoming J.J. Letcavits from American Electrical Power. J.J. Letcavits will be discussing *Steam Generation Inspection*.

Abstract:

This technical presentation will discuss the basics of steam generator (boiler) inspection. Topics will include discussion of the function of the SGs, welding, typical repair strategies, use of steel materials, outage operations, NDE and boiler inspection procedures.

About the speaker:

J.J. Letcavits is a Senior Engineer at the Steam Generation Engineering/Mechanical Engineering Division of American Electrical Power (AEP) based in Columbus, Ohio. J.J. is responsible for the inspection of fans, air heaters, pulverizers, steam generators and other boiler related equipment as well as combustion side emission control related equipment. He has more than 25 years of experience in engineering and project management/development and has received 3 patents for his work developing a low-cost combustion emission control system for roof-fired units.

In addition to managing many AEP projects that have ranged in size up to \$15 million, J.J. has led several committees in ASM as a volunteer, including the ASM Chapter Council and Volunteerism Committee. A past chairman of the Columbus Chapter, he holds a degree in mechanical engineering from Lafayette College and is a Professional Engineer in the State of Ohio.

Dates and Times:

Date: January 26, 2011

Registration: 6:00 PM

Dinner: 6:30 PM

Technical Program 7:30 PM

Location: University of Alberta Faculty Club

Upcoming Events

2011-2012 Events

Thurs, January 26th - Dinner Meeting
Speaker: J. J. Letcavits, AEP
Topic: Steam Generation Inspection
Location: U of A Faculty Club

Thurs, March 1st - Joint Dinner Meeting with AWS
Speaker: TBD
Topic: TBD
Location: U of A Faculty Club

Thurs, April 5th - Dinner Meeting
Speaker: TBA, Sintra Engineering
Topic: TBA
Location: U of A Faculty Club

Friday, May 4th - Industry Tour
Location: AlleyKat Brewery

Thurs, June 7th - Annual General Meeting
Location: U of A Faculty Club

Chapter Sustaining Members

Please take a moment to visit the websites of our chapter sustaining members

[Altasteel Ltd.](#)

[Argus Machine Co. Ltd.](#)

Upcoming ASM Edmonton Course – January, 2012

The next ASM Edmonton Course will begin on January 12, 2012. This course will focus on Failure Analysis and is intended for Materials Engineers and Technologists who are new to the subject as well as those who want an update. The course instructors are prominent failure analysts from the Edmonton Materials Community including Drs. Ted Hamre and Kioumars Poorhaydari from Acuren Group Ltd. and more.

This course will run for 14 weeks on Mondays from 6 to 9 pm. The program fee will be \$800 for ASM members and \$900 for non-members and includes a professional membership to ASM International. If you took this course at ASM headquarters in their 5 day format it would cost over \$2000! Register now as space is limited to 25 students!

For more details including how to reserve your spot please see the document linked below.

[Failure Analysis](#)

ASM Edmonton Executive

2011-2012 ASM Edmonton Executive

RSVP by January 24, 2011 to asm.edmonton@gmail.com

Costs:

Students: \$10

Professional Members: \$25

Non-Members \$35

Payment can be made by cash or cheque. If you would like to pay by credit card, there will be a nominal fee of \$1.50 to cover processing cost. For more details regarding this payment option please contact us at asm.edmonton@gmail.com.

Monthly Trivia

Poisson's Ratio is an important materials property that relates axial to lateral deformation. In most cases the Poisson's Ratio is positive and has a value less than one; however, some materials do have a negative value. What material has a negative Poisson's Ratio? (Courtesy of John Nychka)

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Awards

ASM Canada Council Awards

Robert Roy

ASM Canada Council John Convey Innovation Awards

This award was established by ASM Canada Council in 1997. This award recognizes companies for their contributions to the development of the Materials Engineering Industry in Canada.

Two awards available each year, one to a company with annual sales of more than five million dollars and one to a company with annual sales of less than five million dollars. The innovation can be either revolutionary or an incremental improvement.

ASM Membership is not mandatory.

The G. MacDonald Young Award

This award was established by ASM Canada Council (ASMCC) in 1988 to recognize distinguished and significant contributions by an ASM member to ASM International and the materials community in Canada. For example, this may be an individual who has consistently organized or chaired technical events, contributed to ASM's educational programs; or served as a member of technical committees,

ASM Membership is mandatory.

Recommendations must be submitted to ASM Canada Council no later than February 1st, 2012.

ASM Canada Council M. Brian Ives Lectureship

This award was established in 1971 by the ASM Canada Council to identify a distinguished lecturer who will present a technical talk at a meeting of each Canadian ASM Chapters who elect to participate. The recipient is to be of proven ability in the presentation quality talk(s) appropriate to the interests of all participating Chapters. An honorarium is provided as well as travel expenses if needed.

Nominations or suggestions for nominations should be sent to the Edmonton Chapter Awards Chair, [Robert Roy](#), who may be able to provide additional assistance

Additional information on these and other awards may be found on the [ASM International Website](#).

Trivia Answers

Dacron - a polymer made in such a way to achieve a foam structure that expands laterally outward when put in tension. This is typically used in bio-implants.

Source: US patent 428/131.