

September & October Dinner Meeting Recap

September - Beth Sterling

ASM Edmonton hosted its fifth annual Student Night on September 30th, 2015. The event was attended by approximately fifty people, including four guest speakers, members of industry, sponsors of ASM Edmonton, and students from NAIT and the University of Alberta. During the program the guest speakers, who were alumni from the University of Alberta and NAIT spoke about their experiences as materials engineers and materials engineering technologists in industry. The speakers spoke on a range of topics that ranged from the breadth of work performed by materials engineers to advice on how to succeed in the work force. CASTI Publishing Inc. provided copies of the CASTI Red and Black Books for non-ferrous and ferrous materials for door prizes.



Guests at ASM Edmonton September Student Night

ASM Edmonton would like to thank Zorya Belanger, Therza Hansen, Cassandra Tomas, and Steven Bott for their time and insights as speakers, and Mike Powley for his work as MC. Special thanks go to Qualimet, AITF, Acuren, CASTI, Metlab and IRISNDT for their sponsorship of ASM Edmonton this year. This event would not have been a success without the efforts of the speakers and sponsors.

October - James Derksen

Dr. Patricio Mendez was ASM Edmonton's latest Brian Ives award winner and presenter for our October technical dinner meeting. Patricio was very energetic and passionate about his chosen topic, welding. He described how welding started as a way of reducing the cost of army ships in World War II. As of right now it is a science and a technology and there is no way to fully predict the outcome of any given weld. There is no single table one can look up all the parameters that can be controlled in welding to produce the perfect weld every time. However, that's not stopping Dr. Mendez from trying to create such a table. Overall Dr. Mendez's passion was brought out in full force in this talk and has given us a new appreciation for welding and welders.



Dr. Mendez at the ASM Edmonton October dinner meeting

If you have any ideas for future technical speakers or topic please don't hesitate to contact us at ASM.Edmonton@gmail.com

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November Event



ASM Technical Dinner Meeting

For the next technical dinner meeting of the season, ASM Edmonton will be welcoming Mr. Steven Blink who will be speaking on the *Window of Opportunity – A Vision of Building Bigger and Better with Wood*.

Abstract

Building with wood not only provides an increased flexibility in the design of buildings, it allows for more efficient construction achieving better profitability for builders while providing more affordable housing. Building with wood reduces the cost of construction materials by as much as 30% while taking only 2/3rds the time to complete. As land acquisition costs continue to rise, two approaches to building become more plausible, building higher structures and urban sprawl.

Urban sprawl and taller buildings both make wood structures more risky. Urban sprawl due to the distance to and response time from fire departments in outlying municipalities. Taller buildings due to the challenges fire departments have in reaching the top floors of taller buildings. Compliance around the building codes make wood structures safe to live in, but even with better building practices, wood structures remain a significant risk for fire while under construction. BarrierTEK with its current stable of products and with its pipeline of new potential products minimizes the risk of fire making building with wood both a viable and attractive option.

In this talk we will focus on two areas. Firstly, we will discuss the background of our core products, ProTEKtor, AtTEK and CopperTEK. ProTEKtor and AtTEK are the leading intumescent coatings in their respective classes. CopperTEK is a copper borate used in the utility industry as a wood preservative that has many unique properties that make it a multi-faceted solution within both the commercial and residential construction industry. Secondly, we will be discussing our pipeline and the impact the new technology will have on the construction industry. The unique properties we are developing are expected to meet an unsatisfied demand that will create a paradigm shift in constructive solutions raising the bar in fire and mold protection.

About the Speaker

Steven Blink has extensive proven leadership experience through senior leadership team positions and board positions as well as leadership roles in regional and national levels within a multinational company. Steven previously sat on the advisory board for the MacEwan School of Business as well as a current board member for BarrierTEK Inc, and Vertalo Energy (Costa Rica). Steven currently holds a senior leadership position at BarrierTEK Inc and previously held a senior position with VrSTORM as well as a board position which was Canada's first public cloud.

Steven was the senior corporate trainer in Western Canada for AstraZeneca Pharmaceuticals responsible for the medical and sales training for representatives from Thunder Bay, Ontario to Victoria, BC. Steven also took on a national position based in Mississauga Ontario with AstraZeneca Pharmaceuticals as the Manager, Customer Insight. In that position Steve led a team of over 20 individuals comprised of Marketing, Sales, Finance and IT to integrate systems and processes.

Steven is very proud of his role at BarrierTEK as cofounder, Director and CFO, implemented processes to improve efficiencies to increase production capacity and allow for profitability. Steven is also proud of his contribution to the marketing and sales strategies as well as their

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implementation to grow BarrierTEK from an idea on a sheet of paper to an established company on target to achieve \$6 million in sales in the 2015 calendar year.

Dates and Times:

Date: Monday, November 23, 2015

Registration: 6:00 PM

Dinner: 6:30 PM

Technical Program 7:30 PM

Location: University of Alberta Faculty Club

RSVP by November 19, 2015, to:

<http://asm-edmontons-november.eventbrite.com>

Costs:

Students: \$10

Professional Members: \$30

Non-Members: \$40

Note: Eventbrite adds a small surcharge.

Payment can be made by cash or cheque. Payment by credit card can only be made in advance of the meeting and there will be a nominal fee of \$1.50 to cover the processing cost. For more details regarding this payment option please contact us at ASM.Edmonton@gmail.com

Feedback

The ASM Edmonton Executive is continually working to improve this newsletter in order to better serve our members. If you have any suggestions or comments regarding the newsletter or if you would like anything included please contact us [here](#).

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