TECHNICAL MEETING
New Developments in Magnesium
Thursday – February 16, 2017

SPEAKER: Doug Cleveland, Magnesium Elektron
Doug Cleveland started his career as a Project Engineer at Wellman Dynamics, Creston, IA after completing his Material Science in Engineering Degree at Iowa State. He then accepted the position of Engineering Manager at Magnesium Alloy Products, Compton, CA. Some of his responsibilities included the melt, heat treating, penetration and weld departments. He joined Magnesium Elektron in 2014 as the Technical Support Manager in which he provides technical support to foundries, end users and aerospace primes.

TOPIC: New Developments in Magnesium
Our presentation will consist of a magnesium alloy background and history from the 1930’s/WWII to present followed by a look into how the alloying elements, from zinc to rare earth elements, provide key benefits. We’ll discuss how we make the alloys and in what finished forms we produce them in. We’ll conclude with a discussion on our new Direct Chilled cast billet in our newest alloy, Elektron 21 for machine from solid applications. We'll discuss some of the key mechanical properties of these alloys and where they are currently used in the aerospace industry as well as dispel some of the common myths about magnesium such as ignition concerns and corrosion.

LOCATION: Holiday Inn Buffalo Airport
4600 Genesee Street, Cheektowaga, NY 14225

TIME: Social Hour  5:30 p.m. (Cash Bar)
Dinner            6:30 p.m.
Presentation will follow dinner

COST: Members/Guests $25.00   Students $10.00

MENU: Dinner choices are Stuffed Pork Chop, Baked Italian Haddock, or Vegetable Napoleon.

RESERVATIONS:
Chuck Lafountain, clafountain@diamondsaw.com, 716-496-7417

Please make reservations by Monday - February 13, 2017
Chapter Update

ASM Buffalo’s previous event, Vendor Appreciation Night, had a successful turnout. Dr. Krishna Rajan’s talk about UB’s new Department of Materials Design and Innovation showcased emerging technologies and course topics that will put Buffalo back on the map for material development. The department is bringing researchers to Buffalo and offers collaborative and educational outreach to the community.

Our next event will be on February 16th, at the Holiday Inn Airport. There will be a guest speaker from Magnesium Elektron Products and Services will be presenting new developments in magnesium alloys. This event will include dinner, please see the event listing for more details.

*If you are interested in becoming a Chapter Officer or Director, please do not hesitate to contact a current board member.*

Renee Lueke and Kira Berent – Co-Chairs

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2016 – 2017 TENTATIVE PROGRAM
Below are the meetings tentatively planned for the upcoming program year.

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<td>October 13, 2016</td>
<td>TOUR OF BUFFALO MANUFACTURING WORKS</td>
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<td>November 10, 2016</td>
<td>ADVERTISER APPRECIATION NIGHT</td>
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<td>SPEAKER:</td>
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<td>Dr. Krishna Rajan</td>
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<td>Erich Bloch Chair &amp; Empire Innovation Professor</td>
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<td>Department of Materials Design and Innovation</td>
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<td>TOPIC:</td>
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<td>&quot;Material Design and Innovation; a new Academic Department at the University at Buffalo&quot;</td>
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<td>February 2017</td>
<td>Magnesium Elektron</td>
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<td>March 2017</td>
<td>JOINT MEETING WITH THE TECHNICAL SOCIETIES COUNCIL (TSC)</td>
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<td>April 2017</td>
<td>STUDENT NIGHT</td>
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<td>May or June 2017</td>
<td>GOLF OUTING</td>
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If you have an idea for a meeting or event please contact a Buffalo Chapter Officer or Director. All ideas are welcome!!!