The Buffalo Chapter of ASM International is Celebrating the 100th Anniversary of the Chapter’s First Meeting

When: May 9, 2019 (Thursday)
Where: Pierce Arrow Museum
       263 Michigan Avenue
       Buffalo, NY 14203
Time: 5:30 – 9:30 PM
   • Social hour starts at 5:30 pm
   • Presentation and tour of exhibits follows the social hour
   • Buffet dinner follows the presentation and tour
   • After dinner there will be additional time to tour the exhibits
Cost: $25.00 per person

This event is limited to 75 people so make your reservations soon!

For reservations please contact:
   Chuck Lafountain at clafountain@diamondsaw.com, or
   Tim Kosto at tjkosto@gmail.com
Pierce Arrow Museum
263 Michigan Avenue
Buffalo, NY 14203
716-853-008

Photographs are from the Pierc-Arrow Website.
http://www.pierce-arrow.com/the-collection
# INDEX

<table>
<thead>
<tr>
<th>MEETING INFORMATION</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABOUT THE VENUE</td>
<td>2</td>
</tr>
<tr>
<td>INDEX</td>
<td>3</td>
</tr>
<tr>
<td>CHAPTER UPDATE</td>
<td>4</td>
</tr>
<tr>
<td>OFFICERS AND DIRECTORS</td>
<td>4</td>
</tr>
<tr>
<td>2018 – 2019 ADVERTISERS I</td>
<td></td>
</tr>
<tr>
<td>ALLIED HIGH TECH PRODUCTS</td>
<td>5</td>
</tr>
<tr>
<td>BROOK ANCO</td>
<td>5</td>
</tr>
<tr>
<td>BUEHLER</td>
<td>6</td>
</tr>
<tr>
<td>CURTIS-WRIGHT IMR TEST LABS</td>
<td>6</td>
</tr>
<tr>
<td>MATERION</td>
<td>7</td>
</tr>
<tr>
<td>METLAB</td>
<td>7</td>
</tr>
<tr>
<td>NIAGARA SPECIALTY METALS</td>
<td>8</td>
</tr>
<tr>
<td>STRUERS</td>
<td>8</td>
</tr>
<tr>
<td>THERMOSCIENTIFIC</td>
<td>9</td>
</tr>
<tr>
<td>2018 – 2019 ADVERTISERS II</td>
<td></td>
</tr>
<tr>
<td>INEX</td>
<td>10</td>
</tr>
<tr>
<td>PRECISION SCALE &amp; BALANCE</td>
<td>10</td>
</tr>
<tr>
<td>STERLING SAW BLADES</td>
<td>10</td>
</tr>
<tr>
<td>2018 -2019 ADVERTISERS III</td>
<td></td>
</tr>
<tr>
<td>ARCBEST</td>
<td>11</td>
</tr>
<tr>
<td>ATI SPECIALTY MATERIALS</td>
<td>11</td>
</tr>
<tr>
<td>BARON OPTICAL SERVICES</td>
<td>11</td>
</tr>
<tr>
<td>HI-TEMP FABRICATION</td>
<td>11</td>
</tr>
<tr>
<td>LECO</td>
<td>11</td>
</tr>
<tr>
<td>MOOG</td>
<td>11</td>
</tr>
<tr>
<td>NORTH AMERICAN HOGANAS</td>
<td>11</td>
</tr>
<tr>
<td>NUCOR</td>
<td>12</td>
</tr>
<tr>
<td>PELLETS INC</td>
<td>12</td>
</tr>
<tr>
<td>VAL-KRO</td>
<td>12</td>
</tr>
<tr>
<td>JOB POSTINGS</td>
<td>13</td>
</tr>
<tr>
<td>2018 – 2019 PROGRAM</td>
<td>15</td>
</tr>
</tbody>
</table>
Chapter Update

Two weeks after our February Student Night meeting, four ASM members attended the Joint Technical Societies Council meeting at Salvatore’s. The food, of course, was splendid and the talk even more so. There were THREE presenters from the new Explore and More Children’s museum opening soon at Canalside, each offering a unique perspective of the museum design & construction. Michelle Urbanczyk, President of the Museum, talked about their vision and the decision process to get to the overall themes; Gwen Howard, the architect, discussed the design and construction challenges and solutions; and Anna Musun-Miller, the Exhibits Manager, whetted everyone’s desire to see the museum when it opens. I mean, you’ll note that the Power Tool Play Area is right next to the Play Hospital; and such was no accident.

The camaraderie was superb, too- a big ballroom full of engineers, lots of witty and interesting conversation, seeing colleagues from other societies that you haven’t seen in ages- how can you go wrong? Overall, the meeting was well done, well attended, and well worth it. I look forward to another joint meeting with TSC next March.

Lee Gearhart
Co-chair /Program

Buffero Chapter Officers and Directors

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Phone Number</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>Chuck Lafountain</td>
<td>716-496-7417</td>
<td><a href="mailto:clafountain@diamondsaw.com">clafountain@diamondsaw.com</a></td>
</tr>
<tr>
<td>Co-Chair / Program</td>
<td>Lee Gearhart</td>
<td>716-687-4475</td>
<td><a href="mailto:lgearhart@moog.com">lgearhart@moog.com</a></td>
</tr>
<tr>
<td>Treasurer</td>
<td>Herb Wilber</td>
<td>716-291-5581</td>
<td><a href="mailto:herb.wilber@us.panasonic.com">herb.wilber@us.panasonic.com</a></td>
</tr>
<tr>
<td>Secretary</td>
<td>Mary Jane Hornung</td>
<td>716-667-6552</td>
<td><a href="mailto:Mary-Jane.Hornung@cobham.com">Mary-Jane.Hornung@cobham.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Renee Lueke</td>
<td>716-686-1488</td>
<td><a href="mailto:Renee.Lueke@zodiaacaerospace.com">Renee.Lueke@zodiaacaerospace.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Kira Berent</td>
<td>719-446-2299</td>
<td><a href="mailto:Kira.Berent@materion.com">Kira.Berent@materion.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Tom Herdlein</td>
<td>716-446-5771</td>
<td><a href="mailto:Thomas.Herdlein@materion.com">Thomas.Herdlein@materion.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Tim Kosto</td>
<td>716-439-6570</td>
<td><a href="mailto:tjkosto@gmail.com">tjkosto@gmail.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Phil Aronica</td>
<td>716-282-6950</td>
<td><a href="mailto:phil@metlabcorp.com">phil@metlabcorp.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Jayne Spanos</td>
<td>716-446-2269</td>
<td><a href="mailto:jayne.spanos@materion.com">jayne.spanos@materion.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Stan Biernat</td>
<td>716-805-2285</td>
<td><a href="mailto:sbiernat@moog.com">sbiernat@moog.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Tim Gelnett</td>
<td>716-542-5552</td>
<td><a href="mailto:tim@nsm-ny.com">tim@nsm-ny.com</a></td>
</tr>
<tr>
<td>Director / Web Page</td>
<td>Peter Witting</td>
<td>716-276-9920</td>
<td><a href="mailto:pwitter@harperintl.com">pwitter@harperintl.com</a></td>
</tr>
<tr>
<td>Director</td>
<td>Henry Kammerer</td>
<td>716-984-0635</td>
<td><a href="mailto:HGKmrer@aol.com">HGKmrer@aol.com</a></td>
</tr>
</tbody>
</table>

Many hands make light work! Feel free to contact an Officer or Board Member to learn more about how you can help the Chapter!
Quality Products for Metallographic Sample Preparation & Analysis

- All Equipment Made in USA
- Sturdy RIM Covers
- Software & Design Updates
- Powerful New Motors

Craig McMillan is your Product Application Specialist and is available for on-site demonstrations. Please contact Craig at:
(330) 391-8257
csmcmillan@alliedhightech.com

PHONE 315-288-4992
TOLL FREE 800-388-7566
Website www.brookanco.com
Not Just Data, **KNOWLEDGE**

Accredited, Full Service Materials Testing Labs with a Dedicated Staff of Scientists, Engineers, Chemists, Lab and Support Personnel

- Mechanical Testing
- Corrosion Testing
- Failure Analysis
- Fatigue Testing

- Chemical Analysis
- Metallurgical Evaluation
- Coating & Plating Evaluation
- Polymer & Composite Testing

**CONCISE REPORTS - QUICK TURNAROUND**
**SUPERIOR CUSTOMER SERVICE**

**CURTISS-WRIGHT**
**IMR TEST LABS**

Lansing, NY
Louisville, KY
Portland, OR
Singapore
Suzhou

1.888.464.8422 :: www.imrtest.com
MIND OVER MATERIALS

Materion enables what’s next. Our core strengths in innovation and disciplined execution serve a global customer base at the intersection of emerging technologies and high-growth applications.

Real people.
Real ideas.
Real solutions.

TO LEARN MORE ABOUT OUR TECHNOLOGY AND MATERIALS SOLUTIONS, VISIT US ONLINE AT MATERION.COM.

FOR ALL YOUR METALLOGRAPHIC NEEDS SINCE 1968. CALL FOR MORE INFORMATION

1-800-828-6866
www.metlabcorp.com
Niagara Specialty Metals
www.nsm-ny.com
(716)542-5552
12600 Clarence Center Rd, Akron, NY

Robert Shabala, President bob@nsm-ny.com
Timothy Gelnett, Vice President tim@nsm-ny.com
Jeff Rich, Sales Manager jeff@nsm-ny.com

Niagara Specialty Metals is a manufacturer of hot rolled sheet and plate. We stock several grades of alloyed steel for immediate production. We also process customer owned material by hot rolling, flattening, cutting and heat treating.

We specialize in custom sizes and fast deliveries for any size order. Visit our website at nsm-ny.com for a complete list of grades and services as well as pricing.

---

Struers
Ensuring Certainty

Metallography & Hardness Testing

When it comes to your metallographic preparation and testing solutions, Struers delivers…

- Powerful Equipment
- High-Quality Consumables
- Intelligent Support
- Outstanding Service

Contact Struers Account Representative
Claude Henry at 724.371.0814
claude.henry@struers.com
ARL easySpark

Revealing the power of metals analysis

The new Thermo Scientific® ARL easySpark® benchtop metals analyzer is designed to meet the challenges and demands of small to medium-sized metal manufacturers that need high-quality and cost-effective OES analyses. With its unique multi-grating/CCD based optical design, the ARL easySpark provides full elemental coverage, optimal resolution and stability.

Find out more at thermofisher.com/easyspark
Thank you to all our Advertisers!!! Your advertising dollars are used to maintain the viability of the Buffalo Chapter of ASM International. They are used to support chapter activities such as defraying dinner meeting costs, speaker awards and to fund scholarships for outstanding students. The Buffalo Chapter could not exist without your support!!!

We encourage our membership to patronize our advertisers.
We take care of our customers.

25 Quarry Road, Auburn, NY 13021
Phone: (800) 424-1494

ADVERTISING SPACE IS STILL AVAILABLE. IF YOU ARE INTERESTED IN PLACING AN AD, PLEASE CONTACT TIM GELNETT TIM@NSM-NY.COM
JOB POSTINGS

Place your job postings in the Newsletter for free!

A CAREER AT MATERION IS A CAREER IN TECHNOLOGY

Opportunities available in Buffalo and Wheatfield

Engineering | Manufacturing | Operations | Packaging | Shipping | Quality

Apply online at materion.com/careers.
Join our award-winning team!

McGard is a well-established WNY company and a world leader in high quality specialized mechanical security devices. Our proprietary products are manufactured at our Orchard Park, NY facility. **McGard offers a competitive salary & comprehensive benefits package:** health, dental, life insurance, paid personal days, vacations, holidays, quarterly profit sharing, a 401(k) plan, plus more! Relocation assistance available. To learn more about McGard, visit our website at [www.mcgard.com](http://www.mcgard.com).

**Plant Metallurgist**  
(6:30 a.m. – 3:30 p.m. M-F)

Are you someone who is passionate about material testing, supporting engineering in the development of new product designs, improving existing product designs, completing research and development projects, supervising the metallurgy lab, and acting as deputy quality manager when required? If the answer is YES, this may be the perfect career opportunity for you!

Our Plant Metallurgist must possess the following qualities: customer-focused, ability to multitask, problem solver, above-average computer skills, exceptional organizational skills, an eye for detail, excellent interpersonal skills, and ability to work in a team environment. This position reports to the Product Engineering Manager.

**Job Duties:**
- Perform all materials testing, evaluation & support work including daily metallurgical analysis of parts from the heat treat furnaces, material/part failure analysis, selection of proper materials/hardness recommendation, validation of outside heat treat processes, & test request execution.
- Must be knowledgeable in operation & maintenance of all Metallurgy lab equipment. Runs SEM analysis with EDS & FIB at offsite lab.
- Will design experiments, make product/process modifications, conduct metallurgical design verification testing, & make changes to the part prints & processes.
- Investigate new technologies & materials to obtain product improvements, increase materials, lab capabilities & efficiency, & to reduce costs.
- Plan, develop, & conduct detailed experimental test plans.
- Maintain all lab requirements to comply with ISO 17025 specifications.
- Travel may be required to support projects, manage customer issues, assist sales, & to travel to outside lab for SEM work.

**Qualifications:**
- Minimum five (5) years’ experience as a technical expert in materials laboratory and/or heat treat operations; or a combination of a minimum of five (5) years of formal metallurgical education, experience in a materials laboratory, & heat treat experience.
- Lean experience and training, SEM experience, and carbon alloy steel knowledge preferred.
- Proficient in MS Office. Ability to create Excel pivot tables a plus.
- Ability to communicate effectively in English both written and orally.
- Ability to interact and work well with a diverse workforce across all levels of the organization.
- Ability to adapt and succeed in a fast-paced environment.
- Ability to work independently with minimum supervision.
- Possess a valid driver’s license without restrictions.

Click below to apply online:  

You may also send resumes to:  
Human Resources, McGard, LLC, 3875 California Rd., Orchard Park, NY 14127

**Walk in applicants welcome between 8:30 a.m. – 4 p.m., Monday – Friday or Call 716-662-8980 and ask for Ext. 2222**

“We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status or other characteristic protected by law.”
### 2018 – 2019 TENTATIVE PROGRAM

Below are the meetings tentatively planned for the upcoming program year.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
</table>
| September 13, 2018 | **Tour of Dynabrade**  
8989 Sheridan Drive  
Clarence, NY 14031 |
| October 18, 2018   | **Speaker:** Dr. Arthur Reardon, Metallurgist  
**The Gleason Works**  
**Topic:** “The Heat Treatment and Press Quenching of Steel Alloys” |
| November 15, 2018   | **ADVERTISER APPRECIATION NIGHT**  
**Speaker:** Chris Kern  
**QuesTek**  
**Topic:** “Using Computational Tools to Enable Materials Design, Process, and Qualification” |
| February 28, 2019    | **STUDENT NIGHT**  
**Speaker:** Tim Cook  
**UB Chemistry**  
**Topic:** Self-assembling molecules, batteries and other cool chemistry |
| March 2019          | **Technical Societies Council Meeting** |
| April 2019          | TBD |
| May 9, 2019         | **Buffalo Chapter 100th Year Anniversary Celebration**  
Pierce-Arrow Museum |
| May or June 2019     | **Golf Outing** |

If you have an idea for a meeting, or event, please contact a Buffalo Chapter Officer or Director. All ideas are welcome!!!