LIFT: Lightweight Innovations for Tomorrow
Dr. Dennis Harwig
Thursday – October 12, 2017

ABOUT LIFT: LIFT, operated by the American Lightweight Materials Manufacturing Innovation Institute (ALMMII), is a public-private partnership to develop and deploy advanced lightweight materials manufacturing technologies, and implement education and training programs to prepare the workforce. ALMMII was selected through a competitive process led by the U.S. Department of Defense under the Lightweight and Modern Metals Manufacturing Innovation (LM3I) solicitation issued by the U.S. Navy’s Office of Naval Research. ALMMII is one of the founding institutes in the National Network for Manufacturing Innovation, a federal initiative to create regional hubs to accelerate the development and adoption of cutting-edge manufacturing technologies.

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

TIME: Social Hour 5:30 p.m.
Dinner 6:30 p.m.
Dinner Choices Roast Pork Loin, Chicken Kiev, Pasta Primavera
Presentation will follow dinner

COST: Members/Guests $25.00
Students $10.00

RESERVATIONS: Please make reservations by October 9, 2017
Please contact Chuck Lafountain: clafountain@diamondsaw.com

Feel free to post this newsletter for your coworkers!
ABOUT OUR SPEAKER:
Technical Background: Dennis Harwig started his career as a welder in 1978. He worked 2 years as a Welding & Manufacturing Engineer at General Electric Astrosepace Division developing technology for refractory metal nuclear power equipment. He worked 4 years as a Research Engineer at Babcock & Wilcox Alliance Research Center and was a principal inventor of the patented shape welding process. He was promoted to Lead Welding Engineer & Program Manager and worked for 2 years at Babcock & Wilcox Nuclear Equipment Division on Navy nuclear propulsion equipment. Dennis joined EWI in 1994 and over 10 years served as Principal Engineer, Team Manager (Arc Welding and Automation), Cooperative Research Program Manager, and Technology Leader in Arc Welding, Materials, and Automation. In 2004, he joined Thermadyne Industries' Brand Management Division as Director of Global Engineering. Shortly after, Dennis became Vice President of Global Engineering and Vice President of Global Quality at Thermadyne. He rejoined EWI in 2008, and served as Business Development Director (2008-2011), Navy Joining Center Director (2010-2013), and Center Development Director (2011-2013). In January 2014, Dennis joined the American Welding Society as Chief Technology Officer where he led three departments; Technical Services, Education Development, and Education Operations whose combined operating revenue was over $13M. In December 2015, Dr. Harwig joined The Ohio State University and Lift as Chief Innovation & Transition Officer. In this dual appointment role, Dennis leads business development and commercialization opportunities to drive sustainability of Lift.

Dennis has published more than 110 presentations, proceedings, journal articles, and EWI Core Research Reports; recently served on nine AWS committees and three IIW committees; and developed eight patents.
Chapter Update

The tour of Taylor Devices proved to quite entertaining, not only while learning about the history of the Western New York company, but also of the successful deployments of their products around the world.

We have some exciting speakers coming up to close out 2017 – Dr. Dennis Harwig of Lightweight Innovations for Tomorrow, or LIFT, on October 12th and John Laurence Busch for the November 15th Vendor’s Night. Please see the event listing for RSVP details for the LIFT Event.

Keep November’s Vendor’s Night in mind, we would also like to encourage vendors to sign up early to ensure necessary table space! John Busch will be presenting about the first “Steamship” in history, and the technological impact of this innovation. Stay tuned for the event listing for Vendor’s Night.

As always, please ensure your current email address is up to date with ASM International HQ, and feel free to post the newsletter for coworkers!

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

Renee Lueke - Chairman

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2017 – 2018 TENTATIVE PROGRAM
Below are the meetings tentatively planned for the upcoming program year.

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<td>September 14, 2017</td>
<td><strong>Tour of Taylor Devices</strong>&lt;br&gt;90 Taylor Drive&lt;br&gt;North Tonawanda, NY 14120&lt;br&gt;<em>World Leader in innovative shock and vibration control since 1955</em></td>
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<td>October 12, 2017</td>
<td><strong>Speaker:</strong> Dr. Dennis Harwig&lt;br&gt;LIFT (Lightweight Innovations for Tomorrow)</td>
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<td>November 15, 2017</td>
<td><strong>Advertiser Appreciation Night</strong>&lt;br&gt;<strong>Speaker:</strong> John Laurence Busch&lt;br&gt;<strong>Topic:</strong> More Perfect Unions: Forging Closer Ties Using the First Generation of Steam-Powered Vessels</td>
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<td>February 2018</td>
<td><strong>Speaker:</strong> Raja V. Pulikollu Ph.D.&lt;br&gt;Sentient Science&lt;br&gt;Sentient models the microstructure of critical components in physical assets to predict failure initiation and to identify life extension actions.</td>
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<td>March 2018</td>
<td><strong>Technical Societies Council Meeting</strong></td>
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<td>May 2018</td>
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<td><strong>Family night at the Buffalo Museum of Science</strong></td>
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