October 16th Dinner Presentation
Latest Techniques in Laser Welding

Presented by David Havrilla, TRUMPF Inc., Plymouth, MI, USA

As the use of lasers become more widespread, designers and product engineers alike need to gain familiarity with not only the properties, advantages and applicability of the laser welding process, but also with the latest techniques for successful laser welding. These topics are presented using numerous examples and case studies from the industrial manufacturing sector.

Biography

David has earned a Bachelor’s and Master’s degree in Mechanical Engineering from the University of Michigan. Commencing with a post graduate assignment in laser cladding at Imperial College, David has been involved with industrial lasers for over 30 years.

He has worked in a variety of areas from project to product manager, and has been a career long advocate for laser material processing through mentoring, training, writing, conference presentations and university lectures. David has been with TRUMPF for more than 12 years and in his current position, he is the Manager of Product & Project Management, as well as Marketing in Plymouth, MI.

Thank you to our October 16th social hour sponsor, Trumpf Inc.

TRUMPF is a high-technology company that offers production solutions in the machine tool, laser and electronics sectors. They are the world technological and market leader for machine tools used in flexible sheet metal processing and industrial lasers. As a family owned company, TRUMPF thinks and acts long term to guarantee creative drive for continuous improvements. Plymouth, Michigan is the home of their Laser Technology Center for North America. The Laser Technology Center supports the sales of OEM lasers, laser systems and 3D metal printing systems. They specialize in laser cutting, welding, brazing, deposition and surface treatments for three-dimensional components. Their laser technologies include disk and fiber lasers, direct diode lasers, CO2 lasers, pulse and ultrashort pulse lasers, and marking lasers. For further information, please visit www.trumpf.com

Tour and Dinner Meeting & Fellows Night
Monday, October 16, 2017

4:00 P.M.: Tour of Trumpf Laser, 47711 Clipper St, Plymouth, MI 48170
5:30 - 8:00 P.M.: Dinner Meeting at CJ’s Brewing Company
14900 Beck Rd, Plymouth, MI 48170; Speaker: David Havrilla, Trumpf Laser

See Map, Page 3

Social Hour: 5:30 pm • Dinner: 6:30 pm • Announcements: 7 pm • Speaker: 7:15 to 8 pm $30 with Reservation; $35 No Reservation/Non-Members; $25 Retirees/Unemployed; $5 Students. For reservations contact the Chapter Office at 586-944-5656 or e-mail to asmdetroitchapter@gmail.com before Wednesday, October 11th.
October is here and that means the kids are back in school, family schedules have settled into place, the trees have started to turn and the cider mills are open once again. It also means that the ASM season is in full swing. We started the session off with our Student Mixer in Ann Arbor. The mixer is a great time for young professionals to connect with seasoned professionals to gain some industry perspectives and connections for networking. My favorite part of the evening is hearing from the students about their career plans.

In my last message, I had included a link for a survey about training. Thank you to everyone that took the 45 seconds for complete the survey.

The ASM Detroit Chapter is excited to announce that Dr. Schmidt will be conducting a Failures Analysis half-day class on November 6th, 2017. Dr. Schmidt is the President of the Board of Trustees for ASM International. This class will focus on Failure Analysis involving Mechanical and Corrosions Issues. Click here for a link to Dr. Schmidt’s bio.

Details and registration information can be found on page 2. This is a unique opportunity to participate in a failure analysis class presented by Dr. Schmidt. As a Chapter, we have ensured that the class is being offered at a low cost to our members. The cost of the class will be $50 a person which includes lunch. After the class, that evening Dr. Schmidt will be our speaker at the monthly meeting.

One of my passions is mentoring students. As a parent, I had the opportunity to coach my girls on their Destination Imagination teams. I find coaching to be rewarding and it allows me the opportunity to share my experiences with others. I’m excited to highlight a new opportunity to work with female students. ASM International has developed a Materials Girl patch for the Girl Scouts! As a chapter, we will be holding a program in early 2018 where girls can earn their Materials Girl patch. Details will follow once date and times are finalized. The first Materials Girls event was held over the summer at ASM International in Cleveland. Details about the event can be found here.

I look forward to seeing you at our next chapter event on October 16, 2017, in Plymouth. The meeting will start with a tour at Trumpf Laser Welding, followed by dinner at CJ’s Brewing Company in Canton including a presentation by David Havrilla from Trumpf. Registration information can be found on the bottom of page 1.

Sincerely,
Kae Trojanowski
Save the Date
November 6th Workshop – Failure Analysis Involving Mechanical & Corrosion Issues

Before our November 6th dinner meeting, Dr. Frederick Schmidt will be hosting a workshop at the Gazebo Banquet Center in Warren. The time of the workshop will be 12:00 to 4:30. It will be a 3 ½ hour workshop and will start with a lunch at the Gazebo. The cost of the workshop will be $50 per person. You must be pre-registered to attend. If you wish to pre-register for both the workshop and the November 6th dinner meeting together, you will receive a $5 discount from your total fee. To Register: Please email the chapter office at asiadetroitchapter@gmail.com before November 1st.

Map of Trumpf Laser and CJ’s Brewing Company

The ASM Detroit Chapter
Thanks It’s Sustaining Members for Their Continued Support!

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Nomination Deadline for the 2018 Class of Fellows is Approaching!

*It’s never too early to start–Deadline is November 30th*

The honor of Fellow of the Society was established to provide recognition to members for distinguished contributions in the field of materials science and engineering, and to develop a broadly based forum for technical and professional leaders to serve as advisors to the Society.

**Criteria for the Fellow Award are:**

- Outstanding accomplishments in materials science or engineering
- Broad and productive achievement in production, manufacturing, management, design, development, research, or education
- Five years current, continuous membership

*Nominator(s) must be current members of ASM in good standing*

**Deadline for nominations for the Class of 2018 is November 30, 2017**

Please refer to our website for complete information including rules, past recipients, sample nominations forms, and request to receive a nomination

If you have any other questions, please contact:

Christine Hoover,
Awards Administrator
ASM International, Materials Park, OH 44073-0002
440.338-5151, ext. 5509
christine.hoover@asminternational.org
A Remarkable 2017 Professional/Student Mixer at Conor O’Neill’s

The Detroit Chapter thanks all of the professional and student members who joined us on September 21st for our fifth annual University Night at Conor O’Neill’s in Ann Arbor. This year saw an equal turn out of both students and professionals who spent their evening discussing the latest trends in materials science and engineering. The feedback was overwhelmingly positive. The chapter would like to thank and acknowledge our evening sponsors, AFC-Holcroft and JoyWorks, both of whom have been strong and consistent sponsors of this event. The chapter would also like to recognize the hard work of MMS President Carli Huber and the student members at the University of Michigan which made this event possible and one of the most successful so far. This year, students proactively engaged the professionals in mentoring discussions and offered means to stay linked with them.
2017-18 Season ASM Detroit Chapter Schedule

October 16, 2017
4:00 Tour of Trumpf Inc. Laser Welding in Plymouth
5:30 Dinner Meeting at CJ’s Brewery in Plymouth
ASM Fellows Night - Speaker: David Havrilla - Trumpf Inc.

November 6, 2017
12:00-4:30 Workshop: Failure Analyses Involving Mechanical & Corrosion Issues - Dr. Schmidt
(Workshop includes lunch)
5:30 Dinner Meeting at the Gazebo, Warren
National Officer’s Night - Dr. Schmidt - ASM International President

February 12, 2018
Membership Night - Dr. Steve Shaffer - Bruker
The Livonia Marriott

March 12, 2018
Sustaining Members Night - Dan Risner - Hitachi Metals
Southfield - St. John’s Banquet & Conference Center

April, 2018
AFS/ASM Joint Meeting
TBD

May 14, 2018
Woodside Lecture
Farmington Hills Manor
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