



INSPIRING
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E-NEWS

Milwaukee SPE E-News December 2023

SPE Tour Event was held at UW Madison on 11/08/23

The Milwaukee chapter hosted a Technical Meeting on November 8th, 2023, at the University of Wisconsin–Madison, at the Polymer Engineering Center (PEC) with 30 people attending, including university students.

The activities and research at the university have made it globally recognized since they collaborate with mechanical engineering, polymer engineering, and polymer composite research.

The Technical event consisted of presentations, networking, and tours of the Polymer Engineering Facilities.

We had three presentation talks, which led to interesting discussions.

The topics were:

- Polymer Recycling; Identifying the Impact of Processing on Polymer Properties
- Polymer Engineering Center and its Role in Plastics Education in Wisconsin
- Lightweight and Multi-Functional Plastics for Energy Harvesting, Water-Oil Separation, and Biomedical Application

SPE – Milwaukee chapter would like to thank Professor Tom Turng, Ph.D., and Paula Hohoff, Chief Engineer at the PEC.



The Milwaukee SPE Education Foundation Grants Expanded 3D Printing Technology to Hamilton High School!

Hamilton High School Applied Engineering and Technology students will receive upgraded and expanded 3D printing technology in their classroom thanks to a grant from the Milwaukee Society of Plastics Engineering Education

Foundation. The grant money will allow for the purchase of equipment to support student innovation opportunities and directly affect student work daily.



“The heart of our 3D printing program currently lies within our woodworking program area, where students have harnessed the power of additive manufacturing to transform their woodworking projects,” explains Hamilton High School Applied Engineering and Technology Teacher Joseph Premo. “These printers have ignited creativity, fostered learning and empowered our students to turn their ideas into tangible creations.” The department’s current 3D printers were purchased during the 2022-23 school year with grant money from Hamilton Education Foundation.

The recently awarded \$4,999 grant will result in updated technology to increase speed, versatility and provide a wider range of materials available to students. “This endeavor will not only enhance our educational programs but also serve as a model for other schools looking to provide cutting-edge opportunities for their students,” explains Premo. To further expand student opportunities, the current 3D printers will be relocated to another area within the department to continue serving students and expand the reach of access to 3D printing.

“The Milwaukee Society of Plastics Engineering Education Foundation was formed in 1983 to promote the plastics industry through increased awareness of this ever-growing segment of American commerce and manufacturing,” explains Milwaukee Society of Plastics Engineering Education Foundation Secretary Jason Braman who is a senior account manager for Chase Plastics in Pewaukee.

Eventually, student feedback will be collected to assess enthusiasm, satisfaction and perceived benefits of the upgraded 3D printing technology. “This feedback will be invaluable in refining our educational programs and the use of these printers,” said Premo.

Glenn Beall Technical Article: Part 5

SPE Milwaukee is proud to provide a series of technical articles by Glenn Beall regarding Plastic Product Design For Economical Injection Molding .

These articles will describe how to produce higher quality, lower cost parts that work right the first time. After 35 years, well-known plastics part design seminar



instructor Glenn L. Beall has retired from presenting live seminars. He has now rewritten his most popular seminar in a format suitable for publishing. These chronological articles will be released in all future Newsletters. You don't want to miss out!

[Click here to download to Part 5: Wall Thickness Uniformity](#)

Attend The Next SPE Board Meeting on January 9th!



Please join us at our next Board Meeting and learn about what the board is planning in 2024! All chapter members and guests are invited and encouraged to attend.

RSVP to milwaukee-spe@gmail.com if you plan to attend.

Tuesday, January 9th at 5:30 pm
Western Racquet Club, Elm Grove WI



The SPE Milwaukee Board of Directors would like to wish all of our members a safe, peaceful, and healthy holiday season. We wish you much success and prosperity in 2024 !

Did you know? You can post job positions on our website! Please send your open positions to:
milwaukee-spe@gmail.com



Milwaukee SPE Chapter Sponsorships!

Sponsoring the Milwaukee SPE Chapter is great opportunity to get your name out and in front companies in your field as well support the SPE chapter. Milwaukee SPE now has three sponsorship level including, bronze, silver, and gold.

[\(Click here to download details!\)](#)

Each of these includes different add placement on the Milwaukee SPE website, newspaper, and during events. The silver and gold also include registration fees for

events. The money from these sponsorships goes towards the continuing operation of the Milwaukee SPE Chapter, to insure we are able to keep to functioning as an organization and offering networking and learning events in the field of plastics.

Our sponsorship runs from the beginning of August to the end of July the following year. If your company is not a current sponsor, please consider becoming a sponsor for the 2024 year!

To our current sponsors, thank you for your ongoing support!



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