

# Mold Technologies Division



Division of Society of Plastics Engineers

Volume 39, Issue 4, June 2018

## Message from the Chair

While this year has been very busy and full of travel for members of SPE, between Florida and Michigan, it is the year end and time to recap what has been happening. You will see Mold Technologies members at SPE events in the coming months. Here is a recap of what just happened at Amerimold 2018 in Novi, MI this month. The year has flown by and the hope is you are now more aware of what the Mold Technologies Division is doing for the mold making and mold design part of the plastic industry.

At Amerimold 2018, our division was again able to show off the new booth design to better get the division name and current information to the membership and future members. The booth was run by several members on the board, again thank you to all for your volunteer hours. They were able to answer many membership questions, and handed out some nice gifts. Gifts from NPE also made it over to Amerimold in the form of Band-Aids for “blisters” from walking, pens, and yo-yo’s that glow in the dark. It’s not always fun and games but some work was accomplished as well. We announced and presented both the Mold Maker and Mold Designer of the year awards. The gavel has now been officially passed to the Chair Elect, Renee Nehls. I wish her the best in keeping our division alive and growing and look forward to helping her in the next year.

While the recap list is long I’ll only touch on highlights in case some of you missed any. Grant programs, technical conferences, trade fair events to the yearly ANTEC 2018 kept us all busy. The start of the new Mold Technologies website launched mid-year, visit it at <https://mtd.4spe.org> to see the latest news.

So onto another new year ahead, stay tuned and submit papers and presentations to keep our division supporting the education of this industry. The next technical presentation will be IMTECH in conjunction with the Injection Molding Division in Akron, Ohio in November 6-8, 2018, followed by next years ANTEC 2019 in Detroit in March 2019. If you would like to present at either of these please let myself or Rocky Huber know and we will send you the particulars.

Remember to check out the division twitter account [@mtd4spe](https://twitter.com/mtd4spe) for up-to-date tweets at events like those listed above. Check in to the SPE Chain at <https://thechain.4spe.org/home> for the latest updates from and for all members.



**Brenda Clark**

SPE Mold Technologies Division Chair

*(continued on page 3)*

---

## Editor's Question Corner:

**Mold Making Question for Suhas Kulkami of FimmTech in Carlsbad, CA:** Why do mold makers continue to build and ship “steel-safe” molds? With all of the software available such as Moldflow and Moldex3D, I would think that building a steel-safe mold would not be necessary.

**Suhas Kulkami:** This is a big topic of discussion. Simulation software has not perfected the shrinkage models and so the data is not reliable yet. Further, shrinkage is a function of processing conditions and so the process conditions the software makers come up with are not reliable either. Shrinkage is the change in the size of the mold compared to the size of the part. Even if we were to predict the shrinkage correctly, we are not sure if the mold maker has cut the steel correctly. So the delta change may be correct but not the absolute.

Also, it seems that many of the basic rules of designing for plastics are still unknown even today. Things that I learned from plastics engineers and mold designers back in the 1980s when I was working for injection molders seem to be unknown to many today. Why is that? Things such as the use of LDF and sharp corners; gate locations, knit lines (and how to avoid them), flash, mold cooling essentials, etc. are old problems still to be solved.

**That amazes me given the progress we've made over the past two decades! Do you have any comments on why that is?**

**Suhas Kulkami:** Many designers who design plastic parts come from a mechanical engineering background. They are hired to design, for example an electro mechanical device. ‘How difficult can that be?’ they ask. Yes, very tricky if they do not understand the principles of plastic part design. They take it for granted. That is the reason we at FimmTech teach the Product Design class. I believe it is simply ignorance. However, I have seen some major plastic companies that make the “sharp corner” mistake. Now that is negligence.



**Clare Goldsberry**

SPE Mold Technologies Division  
2017/2018 Newsletter Editor

*Clare Goldsberry, Editor*

## Sponsor's Index

Sponsor	Page	Sponsor	Page
HASCO	12	Synventive Molding Solutions	8
PRISM Plastics	9	Wisconsin Engraving / Unitex	5
Progressive Components	13		

## Message from the Chair (continued from page 1)

Finally the division is in need of sponsors to help in funding the grants and programs. If you or someone you know is interested in helping out our division please contact us.

Our Mission is: "To be the leading industry resource for technical information to advance plastic mold engineering technologies, while fostering industry growth, education and leadership."

*Brenda Clark*

## NPE2018 RECAP from MoldMaking Technology's Editorial Team

It is hard to believe that another NPE has come and gone. Because this show is held every three years by the Plastics Industry Association, the buildup to it is almost like the buildup to Christmas. Everyone anticipated seeing, in action, cutting edge mold-making and molding technologies, software, auxiliary equipment and machinery that will advance the plastics industry beyond expectations. It was here and gone in a flash, and we can say with complete honesty that this one of the best NPE editions ever.

We, the editors of Moldmaking Technology Magazine sat down together on the last day of NPE2018, and agreed that it was almost overwhelming to cover because of the number of exhibitors rocking the Orange County Convention Center in Orlando, Florida. In fact, the Plastics Industry Association (PLASTICS) announced that NPE2018 was "the largest in history, with more than 2,180 exhibiting

companies showcasing innovations in plastics in more than 1.2 million square feet of exhibit space on the tradeshow floor."

Some of the NPE2018 Highlights include:

- Before even hitting the show floor, we scoured the "My Show Planner" app on the NPE website and we discovered that more than 67 North American mold manufacturing companies were exhibiting! We think this number must double that of NPE2015. We were amazed at that number but more than that, we were impressed by the way they were marketing their services and by how many of them chose to collaborate with other exhibiting companies to further put their brand out there for all to see. (See the following article)
- Data, and the monitors and sensors that track it were a main highlight of the show. Everywhere we walked, machines, molds, hot runner systems

---

and more were displayed with monitoring technology – a step closer to realizing Industry 4.0 and the digital factory.

- The 3D/4D Printing Zone at NPE was abuzz with new opportunities to help customers speed products to market beyond using it just for conformal cooling. Many moldmakers were spotted in the zone, learning how they might integrate the technology into their operations to use for faster

prototyping of products and even molds and mold components.

- Plastics Technology and Additive Manufacturing Media hosted the first 3D Printing Workshop during NPE and it was very well received. Topics included short-run production, conformal cooling, end-of-arm tooling, technology options, bridge tooling and material advancements.

---

## Moldmakers, Molders and Machinery Makers Partnered for NPE 2018

One of the best ways mold makers have of showcasing their innovations, creativity and expertise in designing and building molds that offer advanced molding production technology is by teaming up with machinery suppliers at NPE. Seeing is believing! And attendees at NPE2018 got to see a lot of amazing molds running.

### **Polyshot Partners with Cavaform Inc.**

Polyshot Inc. (West Henrietta, NY) partnered with Cavaform Inc. of St. Petersburg, FL, to develop and perfect dual side gate hot runner technology. The Polyshot technology used in this application is called “Thermal Actuation” (USA and international patents pending). Typically with a side-gated hot runner system the probes are forced between the cavity and manifold using wedges, or Belleville style washers, which have both proven to be problematic and unreliable.

Polyshot’s new technology uses a material that changes shape as the temperature increases during hot runner heat-up. This shape change creates a lineal motion of the probe resulting in a

substantial force, which seals the probes against the hot runner system. This force is maintained until the hot runner cools down and the material “relaxes” and removes the load.

Cavaform manufactured a Class 101 full production 16-cavity Dual Gated Pipette Tip Mold (Cavaform patents pending) that was showcased at the recent NPE in the Battenfeld Booth. The Cavaform produced mold employs the new Thermal Actuation Polyshot technology producing extremely straight pipette tips. This mold employs an advanced Cavaform mold design which features easy service, excellent cavity alignment and industry-setting standards for production rate, tip orifice quality and part straightness.

### **StackTeck Offers First Servo In-Mold closing (IMC) Closure Mold**

StackTeck Systems Ltd. (Brampton, Ontario), a global manufacturer of multi-cavity, high-volume production molds for thin-wall packaging and closures will display a “first” at NPE: the company’s newly developed servo In-Mold Closing (IMC) tech-

nology. The new IMC system ran in an EcoPower 180/750 machine with fully integrated Wittmann 4.0 auxiliaries including a W833 Pro Robot.

The new IMC technology featured a 1x4 flip-top closure mold with a servo actuated IMC mechanism. Compared to a conventional IMC mold with a cycle time delay of 1.5 seconds for closing, this new servo mechanism from StackTeck actuates in 0.35 seconds representing a 75% reduction in closing time, said the company. StackTeck has also used a KoolTrack mold stack design for optimal cooling, resulting in reduced hold/cool time and an overall cycle time 3-4 second faster than a conventional flip-top closure mold.

### Mold Craft and WittmannBattenfeld Team in Micro-Molding

Mold Craft Inc. based in Willernie, MN, teamed up with WittmannBattenfeld to showcase the best of both companies' technology: Mold Craft's expertise in precision micro mold building with tight tolerances: +/- .0001, and WittmannBattenfeld's new Micro-Power 15t molding machine.

Mold Craft builds micro molds specifically engineered to utilize the purpose-built machines manufactured by WittmannBattenfeld. Both companies strive to meet the rapidly growing demand for small, tight-tolerance, extremely high-quality medical components. Both companies help their customers combine high-quality micro molds with precision injection molding machines to produce finished parts with some of the tightest tolerances in the industry.

Additionally, Mold Craft teamed up with Sodick to demonstrate Mold Craft's micro mold producing precision 100μ filter screen micro parts in Sodick's LP20VRE vertical molding machine with two-stage plunger system. The mold is a 2-cavity 3 plate micro mold with one "A" side and 2 "B" sides featuring

.004" x .004" shut offs and .002" radii making POK parts weighing .007 grams.

### M.R. Mold & Engineering's LSR Mold and KraussMaffei's Silicone Processing Machine

The use of liquid silicone rubber (LSR) is on the rise in the U.S., specifically in the medical technology and automotive industries, as those markets are becoming increasingly interested in the outstanding physical and chemical properties of the material.

However, the material has an extremely low viscosity, especially highly transparent silicone, and it requires especially high precision during injection. KraussMaffei will feature the PX 51-55 SilcoSet

**WISCONSIN ENGRAVING / UNITEX** 262-786-4521  
**TEXTURING, ENGRAVING, & CNC MACHINING**  
WITH OVER 85 YEARS OF SERVICE  
ISO 9001:2008 CERTIFIED  
CRAFTSMEN DEDICATED TO DETAIL

**TEXTURING** **MOLD POLISHING** **DIGITIZING**  
**EMBOSSING TOOLS** **ELECTRODES** **METAL ENGRAVING**

Wisconsin Engraving Company / UNITEX is an ISO 9001:2008 certified texturing and engraving company. Since 1922 Wisconsin Engraving's focus centers on giving our customers unsurpassed quality and service.

We give our customers a competitive edge by applying our expertise and craftsmanship to services like mold texturing, engraving, polishing, digitizing, sinker EDM, and CNC machining.

With a reputation for handling projects other companies can't accomplish, and providing services only an experienced shop can do, we are confident in our ability to contribute to your project's success.

Please call or email us with your next project.

**QUALITY SINCE 1922**  
**WISCONSIN ENGRAVING**  
UNIVERSAL TEXTURING / MARKING  
**SINCE 1922 QUALITY**

**SERVING BOTH PLASTIC & METAL FORMING INDUSTRIES**  
DEPENDABILITY  
EXPERIENCE  
TECHNOLOGY  
ISO 9001:2008 CERTIFIED  
UNIFLEX DIGITAL TEXTURING  
CAD GRAVE ENGRAVING SYSTEM  
MOST FILE TYPES ACCEPTED

**POWER ASSOCIATIONS**  
NTMA  
Surface Engraving Corporation

**WISCONSIN ENGRAVING / UNITEX**

---

which ran a four-cavity duckbill (special dosing caps for the medical industry) mold from M.R. Mold & Engineering (Brea, CA) that features a 4-drop, valve-gated cold runner system. The mold ran fully automatic with in-mold slitting done by a robot also manufactured by M.R. Mold.

### **R&D/Leveage New Liberty IBM System**

Faster (just three minutes), safer start up with less labor and a longer mold life is what injection blow molding processors can achieve with the Liberty IBM system from R&D/Leverage (Lee's Summit, MO). The new Liberty IBM system is a "paradigm shift" in IBM tooling design. The breakthrough,

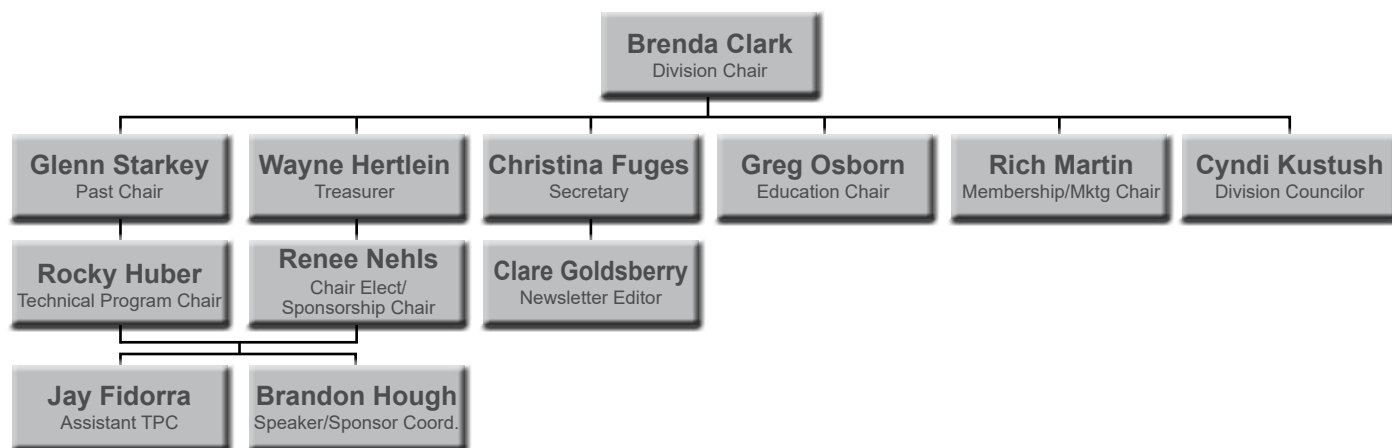
patented Genesis IBM Hot Runner System utilizes R&D/Leverage's thermally insulated nozzles, on-the-fly balancing, and the elimination of further adjustments after initial mold set-up.

The new Liberty IBM eliminates mismatched threads and parting lines, and gate damage due to the patented, self-adjusting cavities which are perfectly aligned on precision dowels. The Liberty IBM tool has a potentially larger process window because of R&D/Leverage's patented thermal isolation technology. For the first time, there is a mold where heat is held where required, and where areas which need to remain cooler do so as a result of thermal isolation.





## 2017/2018 BOARD OF DIRECTORS



## OUR MISSION

*"To be the leading industry resource for technical information to advance plastic mold engineering technologies, while fostering industry growth, education and leadership."*

## CONTACT INFORMATION

**Brenda Clark**  
Division Chair  
HASCO  
BClark@hasco.com

**Jay Fidorra**  
Assistant Technical Program Chair  
Fidorra Design  
fidorrajc@aol.com

**Christina Fuges**  
Secretary  
Moldmaking Technology Magazine  
cfuges@gardnerweb.com

**Clare Goldsberry**  
Newsletter Editor  
Plastics Today  
clarewrite@aol.com

**Wayne Hertlein**  
Treasurer  
Letica Corporation  
whertlein@letica.com

**Brandon Hough**  
Speaker / Sponsor Coordinator  
Prism Plastics  
blh@ttmp.com

**Rocky Huber**  
Technical Program Chair  
Ivanhoe Tool & Die  
rhuber@ivanhoetool.com

**Cynthia Kustush**  
Division Councilor  
Moldmaking Technology Magazine  
CKustush@gardnerweb.com

**Rich Martin**  
Membership / Marketing Chair  
JMMS Inc.  
rich.martin@jmmsinc.com

**Renee Nehls**  
Chair Elect / Sponsorship Chair  
Sussex IM  
rnehls@sussexim.com

**Greg Osborn**  
Education Chair  
Synventive Molding Solutions  
gosborn@synventive.com

**Glenn Starkey**  
Past Chair  
Progressive Components  
Glenn.Starkey@procomps.com



# FROM EUROPE TO AMERICA

**THERMOPLAY®**  
HotRunnerSystems

A business of BARNES GROUP INC

## **Thermoplay in North America. Brought to you by Synventive.**

Thermoplay, a reliable source in Europe for the past 43 years, is an expert solutions provider for medical, packaging and caps and closures. Now available here in North America; and backed by Synventive – the industry leader in service and support.

**Synventive**  
molding solutions  
A business of BARNES GROUP INC

In 26 countries - Worldwide | [www.synventive.com](http://www.synventive.com) | [www.thermoplay.com](http://www.thermoplay.com)



*Mold Technologies Division Board Meeting at NPE2018. Front Row: (L to R) Brenda Clark, Division Chair; Renee Nehls, Chair Elect; Back Row: (L to R) Christina Fuges, Division Secretary; Brandon Hough; Kathy Schacht – SPEHQ; Wayne Hertlein, Division Treasurer; Cyndi Kustush, Division Counselor; Glenn Starkey, Past Chair; Jay Fidorra, Division Marketing. Not present: Clare Goldsberry, Newsletter Editor; Rocky Huber, Rich Martin*

## ANTEC/NPE RECAP

*by Brenda Clark*

The SPE MTD held its general business meeting and board meeting on May 8th. The meeting was well attended by board members and members from SPE leadership. The new branding of SPE was discussed and all board members received the newest SPE lapel pin.

We had our ANTEC morning session and all presenters were present. Attendance was light at first, but as the presentations progressed we had over 24 attendees at one point. The presentations covered topics such as R&D in moldmaking and mold making supplies, and much more.

Our division booth at NPE had many visitors all week stopping by to get more information. A drawing was held on Friday afternoon at close from business cards submitted during the week. Two \$250 scholarships were awarded.



## ANTEC/NPE Photos



▲ Renee Nehls and Brenda Clark accepting the Silver Pinnacle award at the ANTEC awards reception (L to R) Renee Nehls, Brian Grady, Brenda Clark)



▲ Mold Technologies Division Thursday morning presentations on the latest trends in mold building.



▲ Renee Nehls, Brenda Clark and Cyndi Kustush at the division booth at NPE 2018 greeting attendees.

# SPE Mold Technologies Division

## April 5, 2018 Meeting Minutes

	Present	Absent		Present	Absent
Brenda Clark, Chair	X		Clare Goldsberry	X	
Glenn Starkey		X	Jay Fidorra	X	
Wayne Hertlein	X		Rocky Huber	X	
Christina Fuges	X		Brandon Hough	X	
Greg Osborn	X		Richard Martin	X	
Cyndi Kustush	X		Kathy Schacht–SPEHQ		X
Renee Nehls	X		Guest Tony Demakis	X	

3:30PM EST meeting called to order

### Division Chair Report – Brenda Clark

Opening Comments:

- Welcome Tony Demakis from Alliance Laser as a guest; prospective new board member

Trade Show Agenda:

Plastics Race – QR code \$1,000 – Cancelled monies spread to two locations

- To be added to Chair letter and announced in next newsletter.
- \$500 for IM Division Reception – Evening May 8th in West Hall
- (2) \$250 scholarships will be raffled off during NPE at our booth
- (1) for the professional level, (1) for student level
- Rich made a motion, Renee seconded the motion to allocate the funds. Voted and the motion passed.

NPE 2018 – Orlando, FL Booth: West Lobby WL13

- Need to get a head count for attending the meeting – Morning May 8th in North Hall Room N312 – Board members need to email Brenda their RSVP

- Insurance on booth \$65 paid and reimbursed.
- Booth Duty Schedule
  - Terry Chouinard from the Automotive Division will be helping (Rich, Rene, Brenda available)
  - Rich will send out a spreadsheet for members to sign up for booth duty

Amerimold: SPE MTD Booth 144

- Wayne is approaching SPE MTD Detroit Chapter at the April 9th meeting about holding a meeting during Amerimold with a speaker on the steel tariffs possibly
- Rich will send out spreadsheet for members to sign up for booth duty

### Chair-Elect Report – Renee Nehls

- Our Division got the Pinnacle Award – Silver. Renee to review Gold reporting requirements (working with other divisions may be a requirement to report)
- Brenda will accept Award on Sunday evening during the ANTEC reception.
- MM / MD of the Year status (Wayne)
- No update, but Brenda believes we have one application

- Two weeks after ANTEC we must decide on Award winners
- Use social media to promote

#### **Division Secretary Report – Christina Fuges**

- SPE MTD BOD February 1, 2018, Minutes approved on February 8, 2018

#### **Treasurer's Report – Wayne Hertlein**

- Copy of report was sent to the Board
  - Checking Total: \$26,722.22
  - Investment Accounts Total: \$89,469.62
  - Mold Technologies Div Total \$116,469.84
  - ITQ Foundation Summary: Michigan Department of Treasury Total: \$ 536.99

- Investment Account ITQ Foundation Total \$40,477.76
- Mold Technologies Div Net Worth \$156,669.60

#### **Mini Tech Report / TPC Report – Rocky Huber (Jay and Brandon)**

##### **TPC/ANTEC 2018 Update**

- Thursday, May 10 from 8:30am-11:30am; 7 presentations.
- Speaker bios being requested.
- Tuesday 10am-Noon, General Business Meeting followed by a Board meeting, Room N312
- Need a Dial-in number for those not in attendance
- Technical Tour (Greg, Glenn)
  - Summer/Fall Tour – Discussing options




# ***I measure your work.***

**A5731/..., A5732/... Cycle counter, mechanical**

For a simple form of monitoring the number of mold strokes during injection molding and a reliable support of the mold maintenance process.

[www.hasco.com](http://www.hasco.com)

**HASCO®**  
*Enabling with System.*

**Toll Free (877) 427-2662**

- Possible collaboration with MN/IA Division on Tech Tour at toolmaker/molder
- Greg will discuss with Glenn
- SPE, AMBA and SPE MTD will help get more attendees

### Division Councilor Report – Cyndi Kustush

- Next meeting May 4-6
- Attending townhalls to improve communication between divisions
- Contacted Chicago Section about doing a shop tour and mini-tech before Amerimold 2019

### Membership Chair – Rich Martin

Membership Classification	1/18 Total Members	4/18 Total Members	Net Change
-Professional	495	492	-3
-Student	42	42	0
-Young			
Professional	21	21	1
-Emeritus	15	15	0
-Distinguished	2	2	0
-Total Members	575	573	-2
-USA	399	399	0
-World	176	174	-2

### Newsletter Editor Report – Clare Goldsberry

- Spring, April 2018 newsletter needs another notice about Mold Designer and Mold Maker with a May 18 deadline and will go out next week.
- Include the plug for ‘subscribe to MMT.’



### Awards Chair Report – Wayne Hertlein

- One nomination for the Mold Maker of the Year and Mold Designer of the Year
  - Deadline extended to May 18
  - Brenda requested Board send Wayne nominations
  - MMT will blog and blast out via social media

### Education Chair Report – Greg Osborn

- Grant application status
  - Schaumburg HS looking for cutting tools, V&S Tool Sean Soelter (he is not a not-for-profit; not)



**PERFORMANCE IS KEY.**

#### ALIGN WITH PROGRESSIVE COMPONENTS

As a manufacturer of high precision, complex tooling, Steve Rotman, President of Ameritech Die & Mold, aligns with engineering-focused suppliers that drive innovation and exceed expectations.

*"Progressive's innovations improve the performance of our tools."*

Advance your tooling standards by specifying Progressive Components to secure a globally competitive position with your customers.



**PROGRESSIVE  
COMPONENTS**

SEE HOW WE TEST OUR PRODUCTS  
AT [PROCOMPS.COM/TESTING](http://PROCOMPS.COM/TESTING)



- sure how we can help him at this point).
- Brenda notes two colleges she has approached are interested: the University of Southern California and Clemson University. She will send info to Greg to reach out to them.
  - AMBA Chicago Chapter is making the similar effort: 10 \$1500 grants and they got 15 grant letters. Greg suggests we go through their letters and donate to those.

### Division Marketing Report – Rich Martin/Jay Fidorra

- Booth final design. Rich and Brenda will discuss transporting to NPE2018.



- Giveaways, laser engraved giveaways, update on supplies
  - Brenda contacted Sue Wojnicki. They will have giveaways we can get for NPE.
  - NPE has requested SPE MTD promote NPE2018 and direct to SPEMTD booth
  - Brenda send HTML link to board members
- Website- Microsite update
  - Will have pages for newsletter, events
  - If you need something posted, send to Jay
  - Jay is getting an [info@mtd.4spe.org](mailto:info@mtd.4spe.org) address
  - Jay will put Amerimold up on site
- Twitter handle: [@mtd4spe](https://twitter.com/mtd4spe)
  - Current: 11 Following and 5 Followers

### New Business

- SPE-Product Design and Development Division
  - Successful Plastic Part Design March 6-7 Gurnee, IL – update from the event
  - Thank you to Cyndi and Greg for attending and manning the MTD booth
- Need to use MTD Twitter, and establish Facebook and LinkedIn accounts
- Joint relations SPE MTD and MMT update
  - From MTD:
    - MTD does a quarterly plug in its newsletter for 'subscribe to MMT.'
    - First association page in MMT April issue focused on grants
    - The MTD team helps identify speakers for Amerimold and technical content for MMT, pending Editorial Director approval.
  - From MMT:
    - MMT launched an Association News page in MMT every other month beginning in April that provides updates and news on relevant moldmaking associations, such as SPE MTD, AMBA, and CAMM (recent and upcoming events, call for speakers, etc.)
    - Complimentary booth at Amerimold (we give them a 10 x 10 with basic booth furniture, etc.
      - Brenda secured SPE MTD Booth 144
      - ~ Wayne approached SPE MTD Detroit Chapter at April 9th meeting about holding a meeting during Amerimold with a speaker on the steel tariffs possibly

### Next Meeting:

Tuesday, May 8th, at ANTEC/NPE (10:00 AM EST – 9:00 AM CST)

Renee makes a motion, Rich seconds and meeting adjourns at 3:34 p.m. CST

# Winners Announced

The Mold Technologies Division held two drawings on Friday afternoon at the close of the show from business cards submitted all week at the MTD booth as well as at the Injection Molding Division Reception on Wednesday evening. Two scholarships of \$250 each were offered in two categories: students and professionals for further education funding. The drawing was held by selection from an NPE attendee who was walking by the booth and willingly drew a card from each category.

**Jake Haddock** was the winner of the SPE Mold Technologies Division (MTD) Professional Scholarship of \$250. Jake is a sales person for Four Square/TRE, an engineered injection molding and mold making company in Conklin, NY. Jake enjoys his job and is proud of his company's role in developing products that have helped the medical industry save lives, the Armed Forces protect our country, and created many jobs by helping companies succeed in plastic product development. Jake's goal is to become an expert in the sales and marketing field to reach more people and companies, more effectively. Jake also enjoys coaching



Dear SPE Colleague,

Because of your involvement in the mold manufacturing industry, and as an active member of the Society of Plastics Engineers, you are invited to receive a monthly subscription to *MoldMaking Technology* magazine - at absolutely no cost.

*MoldMaking Technology* is your only resource for content focused solely on the technologies, processes and strategies for engineering, building, maintaining and repairing molds.

**Interested in becoming a subscriber and learning more? Give it a try. Click [HERE](#) to subscribe.**

If you later feel that our magazine does not pertain to your role within the industry, you may unsubscribe at any time - no strings attached.

Thank you for your consideration. If you should have any questions about subscribing, please contact Sandra Rehkamp, Gardner Business Media database associate, at (513) 527-8800. I am also at your disposal should you have questions about the magazine's editorial coverage.

Kind regards,

Cynthia Kustush, Councilor  
SPE Mold Technologies Division

---

high school football and lacrosse at his Alma Mater where he has the opportunity to combine his passion for athletics and his passion for leadership “in a unique way that has the potential to positively impact a number of lives.

**Demitri Shotwell**, a Wisconsin native, received the MTD Student \$250 scholarship. She just finished her first year as a graduate student in the Mechanical Engineering department at the University of Wisconsin – Madison, where she also earned her Bachelor’s degree. Her focus is on polymer processing under Prof. Lih-Sheng (Tom) Turng. She currently works at Gilson Inc. as part of the R&D team designing automated liquid handling devices for use in laboratories. Demitri plans to continue working as an R&D engineer in her career where her polymer studies will aid her in developing solutions to complex design problems.



*Demitri Shotwell*

---

## 2018 Moldmaker of the Year

**Chuck Klinger** of Janler Tool is the winner of the SPE MTD 2018 Moldmaker of the Year award. Chuck is well respected in his field of building high-precision, high-cavitation molds. Chuck is also a member of the AMBA Chicago Chapter Education Committee and spends many hours promoting the trades to high school students, educators and parents. Chuck also regularly works with the AMBA Education Committee booth at career fairs to help introduce students to the mold making trade. Chuck is also very instrumental in organizing and working with major manufacturers such as GF Charmilles to partner with their events to promote advanced manufacturing.



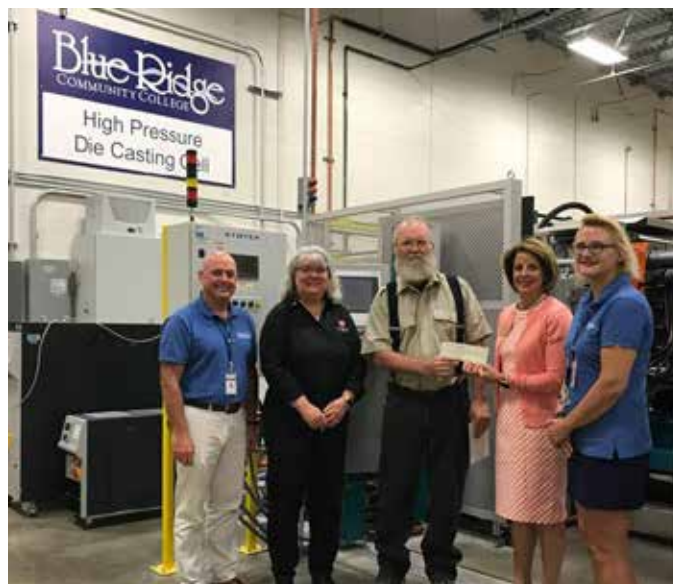
*Chuck Klinger*

---

## 2018 Mold Designer of the Year

James Baldwin of Western Carolina Tool & Mold Inc., is the SPE MTD's Mold Designer of the Year award winner. James has been working in the mold design area of plastics for over 28 years. Over the years James has worked as both a Toolmaker and Designer. He has always felt that the years spent in a hands-on capacity building tools helped make him a better designer. In addition to design, he served in a teaching capacity with customers and other designers regarding the utilization of the (Hasco) thread unscrewing and hot runner technologies.

James is an advocate for continuing education, both in the field of design and any other technical fields, and notes it is never too late to get an educa-



*James Baldwin*

tion. In fact, James was over 30 when he went back to college to get his BS degree in Manufacturing Engineering.

---

## StackTeck Announced Change in Leadership Team

StackTeck Systems Ltd. (Brampton, Ontario, Canada) announced that Vince Travaglini has been named StackTeck's new President and CEO effective June 1, 2018. Travaglini is taking over the position formerly held by Randy Yakimishyn for the past 12 years leading up to his retirement.

Yakimishyn joined StackTeck in 2006 after 22 years of working at a well-known hot runner and mold manufacturer supplier. He has been a big contributor to StackTeck's history of innovation and success, said the company's press release.

Travaglini has been with StackTeck since 1993



*Vince Travaglini (L) & Randy Yakimishyn (R)*

and has held the positions of Vice President of Engineering, Continuous Improvement, Mold Qualification and Repairs Center, also serving for the last two years as Vice President of Sales and Marketing. During 2017, StackTeck set an all-time record for mold sales, which Travaglini credits to an increased focus on customer service.

## Newsletter Sponsorship

The SPE Mold Technologies Division Newsletter is now issued four times a year, with readership composed of individuals involved in all aspects of the mold making industry. These issues are made possible through the support of sponsors shown in this Newsletter. SPE Mold Technologies Division thanks these sponsors for their generosity and encouragement in the publishing of our Newsletter.

For information on sponsorship of future issues, please contact:

Clare Goldsberry, Newsletter Editor | Renee Nehls, Sponsorship Chair  
602-996-6499 | clarewrite@aol.com | 262-820-2112 | rnehls@sussexim.com

## Publication Release Dates

Fall Issue  
October 2017

Winter Issue  
January 2018

Spring Issue  
March 2018

Summer Issue  
June 2018

## SPONSORSHIP INFO 2017-2018

### Platinum (\$2500/year)

Ad Specs: 9.75" H x 7.25" W

- Full page color ad in quarterly newsletter for one year circulated to members and distributed at SPE MTD events
- First right of refusal to a tabletop at Technical Tours to educate participants on new technologies/strategies
- Opportunity to submit a technical article for publication in newsletter
- Company logo on signage in MTD booth at AmeriMold
- Company logo on signage at ANTEC
- Company logo displayed at SPE events

### Gold (\$1250/year)

Ad Specs: 4.75" H x 7.25" W

- Half page color ad in quarterly newsletter for one year circulated to members and distributed at SPE MTD events
- First right of refusal to a tabletop at Technical Tours to educate participants on new technologies/strategies
- Opportunity to submit a technical article for publication in newsletter
- Company logo on signage in MTD booth at AmeriMold
- Company logo on signage at ANTEC
- Company logo displayed at SPE events

### Silver (\$625/year)

Ad Specs: 4.75" H x 3.5" W

- Quarter page color ad in quarterly newsletter for one year circulated to members and distributed at SPE MTD events
- First right of refusal to a tabletop at Technical Tours to educate participants on new technologies/strategies
- Opportunity to submit a technical article for publication in newsletter
- Company logo displayed at SPE events

### Bronze (\$250/year)

Ad Specs: 2" H x 3.5" W

- Business card size ad in quarterly newsletter for one year circulated to members and distributed at SPE MTD events
- Company logo displayed at SPE events