

Mold Technologies Division



Division of Society of Plastics Engineers

Volume 37, Issue 4, Quarter 4 2016

Message from the Chair

The 2016/2017 SPE fiscal year is underway, and I'm pleased to update Members with news on how our Division is progressing.

Advancing our Team:

Recent elections named Cyndi Kustush to the role of Division Councilor, serving as the link between SPE International and our Division Board. Brenda Clark was re-elected to the Board and named Chair Elect, while also finishing her term as Technical Program Chair.

The Org Chart for our Board is further filling out, and we are pleased to welcome four new Directors to the team for three year terms. Jay Fidorra serves as Assistant Technical Program Chair to help Brenda and learn the role that she has led. Brandon Hough and Rocky Huber will assist Jay by soliciting for technical speakers, reviewing technical papers that are received, as well as assisting Renee Nehls with adding new sponsors. Rich Martin serves as Membership Chair, keeping an eye on our membership totals, as well as Marketing Chair where he'll help man our booth at industry events and advise how we can further raise our Division's profile.

Serving as a Technical Resource:

Our Division recently assisted with the SPI's Western Moldmakers Mike Koebel Trade Fair, collaborating on speaker selection and moderating a technical session. Our Board Secretary Christina Fuges introduced the idea of our Division participation, as well as our co-sponsorship of the event. Ahead, we're preparing to launch Tech Tours, a collaborative event that combines a plant tour with face-to-face technical discussion.

Fostering Industry Growth:

This is the time of year when Greg Osborn is reaching out to community colleges and universities with mold related programs, offering the opportunity for them to submit a grant request form and possibly receive one of three \$2500 grants. Contact Greg if there is a local program that you'd want to be considered.

Speaking of 'news', our Newsletter Editor Clare Goldsberry always has her antennae up, so please feel free to contact her with any content that would fit within the scope of our Division newsletter. And while we are adding new

... continued on page 2



Glenn Starkey

SPE Mold Technologies Division Chair

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A Message from the Newsletter Editor

From all appearances in President-elect Trump's activities since his win in November, the business world is happy about the decision. With stocks at record highs (it will remain to be seen how long they continue to move in this direction), consumer confidence returning for the holiday season, and manufacturing feeling hopeful after President-elect Trump's move to shame Carrier into staying in Indiana, it appears that the economy is moving in the right direction.

Of course this is not the time to sit back and hope that a Trump administration will solve all our problems in manufacturing or cure all our ills. But it is time push for many of the things that are hurting small businesses, driving manufacturing offshore, increasing the costs that the many regulations that have been enacted (including the Affordable Care Act that has proven to not so 'affordable') and depressing the economy.

Those in the plastics processing and mold manufacturing businesses will have to implement training programs for new hires and experienced employees as well to retain workforce talent even as the baby boomer with all their "tribal knowledge" retire and leave the workforce.

We will still have to do our strategic planning, our marketing and sales work, and stay on the cutting edge of technology to build our businesses maintain healthy profits to continue to add value to our customers and to manufacturing as a whole.

As the New Year comes into view on the horizon, we all need to stay in touch with our Congressional members and remind them that manufacturing is key to a strong economy. It is manufacturing – particularly small businesses that provide most of the jobs and meaningful work to the middle class – that drives the economy. The efforts of the industry in the past have done much to bring manufacturing's challenges to the forefront and it will take a continued effort to stay that course and keep manufacturing and manufacturers moving ahead.



Clare Goldsberry

SPE Mold Technologies Division
2016/2017 Newsletter Editor

Clare Goldsberry, Editor

Message from the Chair *(continued)*

Directors and new initiatives, I'm grateful to longtime Division Treasurer, past Chair, and sounding board Wayne Hertlein to share perspectives from the past years, as well as from his experience at the SPE's Chapter level.

Together, your Board looks forward a strong close of 2016 and a great 2017 ahead. As always, feel free to drop a line to either myself or any one on the Board, if you'd like to be a part of the growth ahead for your SPE Mold Technologies Division.

A handwritten signature in black ink, appearing to read 'Wayne Hertlein'.

DIVISION HOTLINE

For questions or comments about the SPE Mold Technologies Division please contact Glenn Starkey at:

gs@procomps.com
1-800-269-6653

2016 SPI Mike Koebel Moldmakers Trade Fair

The 26th Annual SPI Mike Koebel Western Moldmakers Trade Fair was held on November 3, 2016 at the Sheraton Fairplex Hotel & Conference Center in Pomona, California.

This year's event kicked off with the afternoon Technical Workshop from 1:00 to 4:00 pm, sponsored by the SPE Mold Technologies Division and Moldmaking Technology Magazine, and then concluded with the Trade Fair from 4:00 to 8:00 pm.

This annual event has grown in size over the years and continues to be an outstanding and economical opportunity for exhibitors to showcase their wares to eager attendees and potential customers, and network with industry peers.



Cyndi Kustush and Brenda Clark tending the SPE Mold Technologies Division Booth at the Mike Koebel Trade Fair.


Call for Candidates: SPE Mold Technologies Division Mold Maker and Mold Designer of the Year 2017

Are you an innovative mold designer or mold maker? Do you know someone who deserves to be honored for their mold making skills or mold design creativity and expertise? If so, please consider nominating them for the 2017 SPE Mold Technologies Division (MTD) Mold Maker of the Year and Mold Designer of the Year.

Each year, the SPE MTD honors two top-notch individuals in mold making and mold design. The criteria are pretty simple. Candidates should have:

- Made a contribution to the industry or the SPE;
- Strong technical experience;
- A reputation for conducting business in a fair and honest manner.

Candidates do not have to be active members of the SPE. Simply complete the form on page 21, and send it with the required supporting documents to Wayne Hertlein at wayneh@aol.com by May 15, 2017. The MTD Board of Directors will select the award recipients based on the merits of the candidates.

|  CALL FOR CANDIDATES SPE MOLD TECHNOLOGIES DIVISION Mold Maker and Mold Designer of the Year 2017 Award | |
|---|-------|
| <small>Every year, the Society of Plastics Engineers Mold Technologies Division recognizes both a Mold Maker and a Mold Designer, who have made significant contributions to their profession, and have supported and advanced the industry. Anyone may submit a candidate to be considered for either of these two prestigious honors, and the recipient need not be an SPE Member. To submit a candidate for consideration, please fill out your contact information, along with the contact information for the award candidate. Please identify the award that you are submitting the candidate for, be it the Mold Maker of the Year, or the Mold Designer of the Year. Also, please include information on the candidate (bio, description of accomplishments, etc.) to explain why you feel that your candidate should receive the respective award.</small> | |
| Your contact information: | |
| Full Name: | _____ |
| Mailing Address: | _____ |
| Phone Number: | _____ |
| Email Address: | _____ |
| <small>Please indicate which award applies to the candidate (check the box that applies):</small> | |
| <input type="checkbox"/> Mold Maker of the Year 2017 | |
| <input type="checkbox"/> Mold Designer of the Year 2017 | |
| <small>Please note that in some cases, a candidate can be suitable for consideration for either award if their background is in both mold making and mold design.</small> | |
| Contact information for award candidate: | |
| Full Name: | _____ |
| Mailing Address: | _____ |
| Phone Number: | _____ |
| Email Address: | _____ |
| <small>Bio for candidate is attached. (Note: Bio/Description must be submitted for consideration.)</small> | |
| Send Nominations To: | |
| Wayne Hertlein: wayneh7758@aol.com | |

Sponsor's Index

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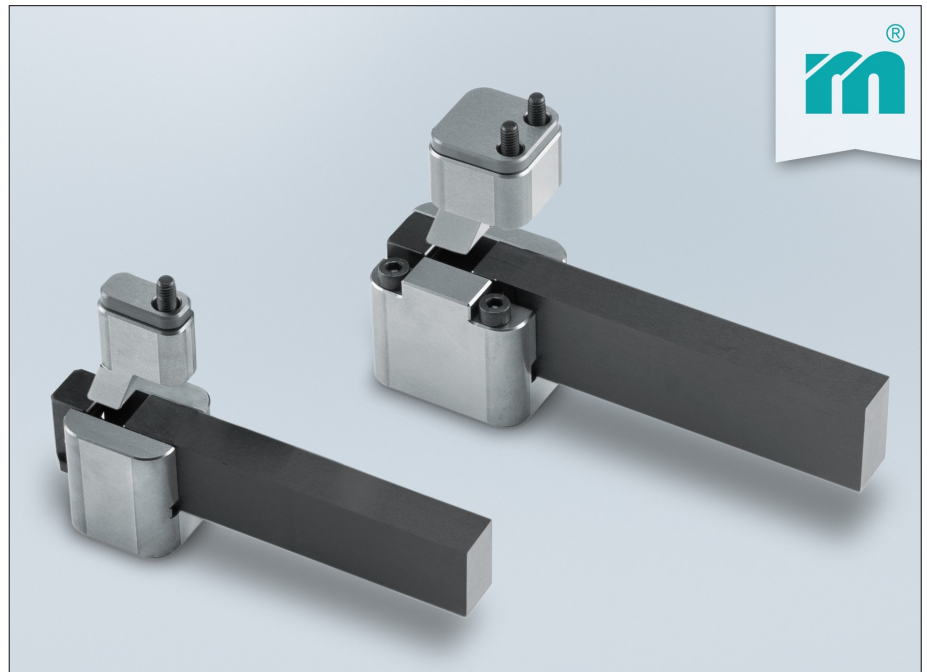


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Muesburger Compact Slide Units for Small Installation Spaces

New from Meusburger are the compact slide units that offer a slim slide option designed specifically for small installation spaces. In addition to their size the ready-to-use versions offer high quality. With excellent wear resistance and optimum sliding properties made possible through the DLC coated slides, along with the highest precision design, the new slide units guarantee maximum process reliability in the injection molding process.

Slide units with small-fitting dimensions are required in complex molds and Meusburger's new slim design offers precision in a ready-to-use compact slide. The large angle radii of the rectangular compact slide units enable a secure and simple installation, says Meusburger, thus eliminating the labor intensive anti-rotation blocking. The DLC coated slides, made out of 54 HRC-grade 1.2343 steel, the new slides offer excellent wear resistance and the best sliding properties. These slides are excellent for mirror polishing.



There are two versions of compact slide units with three variations each to select from: the E 3360 version can be installed easily and quickly from the split line face or from the back side. For use in very tight spaces, Meusburger offers the E 3330 Compact Slide Unit. For some

variations an installation rotated at 180° is also possible, thus creating additional space for the hot runner nozzles or cooling holes. As is usual with all Meusburger products, the new compact slide units are available from stock.

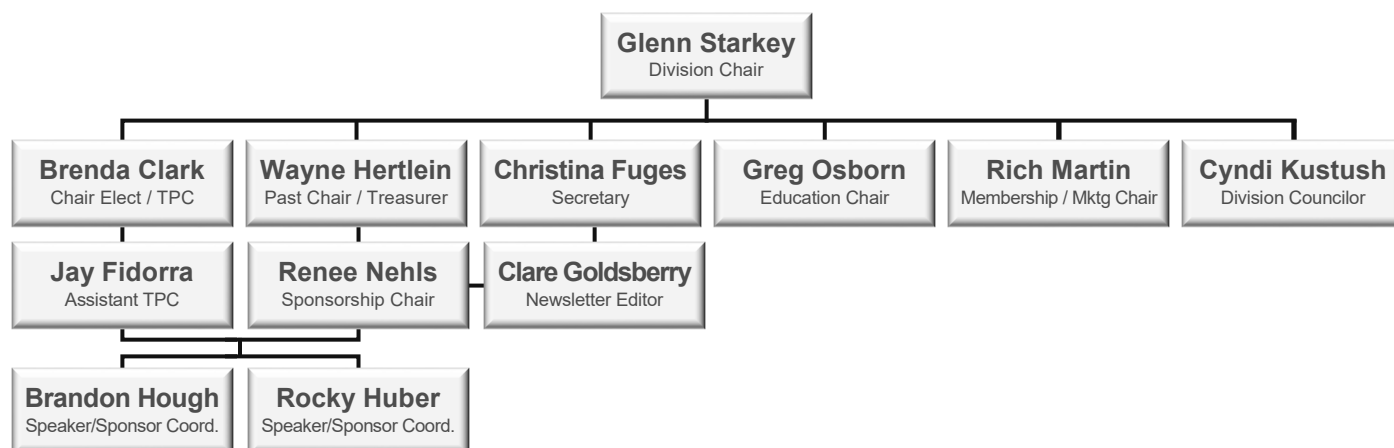
(www.muesburger.com)





MOLD TECHNOLOGIES DIVISION

2016/2017 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

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Speaker / Sponsor Coordinator
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Greg Osborn
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gosborn@synventive.com

Glenn Starkey
Division Chair
Progressive Components
Glenn.Starkey@procomps.com

Welcome to the New and Returning SPE Mold Technologies Division Board Members

The SPE Mold Technologies Division welcomes the following new and returning members to the Board of Directors:

Brenda Clark: Hasco America

Brenda Clark is the Engineering Manager at HASCO America in Fletcher, NC. She has held over the last 12 years many important positions at HASCO, and has been designing and building plastic injection molds for over 35 years. Brenda is a mold designer by trade with a degree for Machine Design in Mechanical Technology from Hartford State Technical College. She is also currently a board member of SPE in the Mold Technologies Division, holding the position of Technical Program Chair.



*Brenda Clark, Chair Elect and
Technical Program Chair*

Jay Fidorra: Fidorra Design

Jay Fidorra, owner and engineer at Fidorra Design, began his career as a machinist apprentice, and held positions in manufacturing and drafting. He started in the plastics industry in 1985, growing his roles to Mold Designer, Mold Flow Analyst, Project Manager, Process Engineering Manager, and Tooling Engineer. In 2007 he started Fidorra Design, providing engineering services to the injection molding industry and Hasco products in the Great Lakes area. Jay holds a degree in Plastics Technology from Penn State.



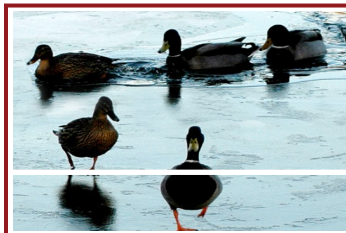
*Jay Fidorra, Assistant
Technical Program Chair*

Rocky Huber: Ivanhoe Tool & Die

Rocky Huber holds the position of Engineering Manager at Ivanhoe Tool & Die Company, and is the owner of DZynSource LLC, as well as the author and designer of DZynSource Mold Engineering Software. He began his career as a mold maker and advanced to shop foreman and then mold designer before becoming the company's Engineering Manager. Rocky received his B.S.M.E.T from Roger Williams University, his A.S.M.E. from Worcester Jr. College, and his Tool & Die diploma from H.H. Ellis Technical School.



*Rocky Huber, Speaker /
Sponsor Coordinator*



***"You don't have to hold a position in order
to be a Leader."***

Anthony J D'Angelo

Cynthia Kustush: MMT Magazine

Cynthia Kustush is the proud daughter of a mold builder, and has been a part of the mold making industry for over 25 years. In 2015, she joined Moldmaking Technology magazine as Senior Editor, after managing PR and media relations at Progressive Components for 12 years, and has been actively involved with the AMBA Chicago Chapter since 1992. Cyndi earned bachelor's degrees in Journalism and English at Indiana University in Bloomington.



Cynthia Kustush, SPE Mold Technologies Division Councilor Candidate

Brandon Hough: Prism Plastics

Brandon Hough entered his plastics industry career as a mold designer who then advanced to Engineering Manager for 10 years, before being named General Manager of Molding for Prism Plastics' Meadville, Pennsylvania based molding operation. Brandon has extensive experience in tool engineering, project management, estimating and process development, and he is RJG Master Molder certified.



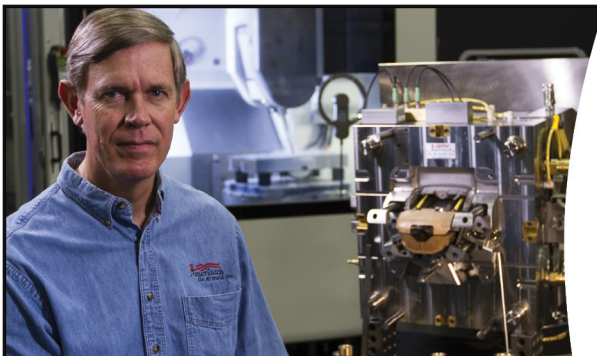
Brandon Hough, Speaker / Sponsor Coordinator

Rich Martin: JMMS Inc

Rich Martin has more than 40 years of experience with injection molding and die cast dies. Over the course of his career, he has worked in process engineering, project management, program management, plant management, account management, sales and business development. Rich joined JMMS in 2008 and currently manages marketing and sales for the organization.



Rich Martin, Membership and Marketing Chair



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SPE Mold Technologies Division

November 3, 2016 Meeting Minutes

To: Board of Directors Mold Technologies Division SPE

From: Christina Fuges – Secretary to the Board

Subject: Minutes of the Meeting of the Board of Directors 3-November 2016

| | Present | Absent | | Present | Absent |
|----------------------|---------|--------|------------------|---------|--------|
| Glenn Starkey, Chair | X | | Renee Nehls | X | |
| Brenda Clark | X | | Clare Goldsberry | X | |
| Wayne Hertlein | X | | Jay Fidorra | X | |
| Christina Fuges | | X | Rocky Huber | X | |
| Greg Osborn | X | | Brandon Hough | X | |
| Cyndi Kustush | X | | Richard Martin | X | |

Opening comments

Introductions of Board members. Welcome also to Kathy Schacht, who joined the meeting from SPE National. Kathy is Manager, Group Services and Volunteer Resources.

Division Chair Report – Glenn Starkey

- The following people were elected as per SPE managed voting, Oct 27 2016:

Directors

Brenda Clark Hasco (Joining for a second term)
 Jay Fidorra Fidorra Design
 Brandon Hough Prism Plastics
 Rocky Huber Ivanhoe Tool & Die
 Rich Martin JMMS Inc

Councilor

Cyndi Kustush Gardner Business Media/MMT

Onboarding – Glenn said he sent an overview about the SPE and our Division to our new Directors so they can familiarize themselves with Division business, history, etc. He adds that all BOD members are “very plugged into the industry and can contribute to searches for sponsors and speakers” as a way to help the Division right now.

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Board member roles – Glenn will connect with each new director individually to determine what roles on the Board would be the best fit for each.

Division Bylaws – A meeting will be called soon by Glenn and will include Wayne, Brenda and Cyndi so that the group can review our bylaws for possible revisions and updates. Glenn to provide a few dates and will request A, C or F grades from each person to get a meeting on the calendar that can accommodate as many as possible.

Chair Elect Report – Brenda Clark

- Division Goals – Refer to Pinnacle Award schedule, to include efforts on Tech Tours, revised sponsorship levels/benefits, grow at trade events – develop visibility, recognition and revised grant process for schools is matured.
- Pinnacle Awards – Deadline for submissions is January 27, per Kathy Schacht, who said it was extended from the original November deadline.
- MM / MD of the Year status – Date for the call for nominations to go out to full membership; Board will review and vote on entries.

Division Secretary Report – Christina Fuges

Minutes from September 30th – Minutes were approved

Treasurer's Report – Wayne Hertlein

- Checking account: \$29,370.78
- Investments Accounts: \$89,417.57
- Mold Tech Div.: \$118,788.35
- ITQ account: \$40,372.85 (funds tied up still with legal issues Wayne is resolving. Also, an investment account comes due today and will be rolled over.)
- MTD net worth: \$159,161.20
- 2016/2017 Budget: TBD – Glenn, Wayne and Brenda to discuss and propose.

Mini Tech Report / TPC Report – Brenda Clark

TPC/ANTEC 2017 (May 10) Report

- Due date is January 13th, 2017 with reviewing and acceptance by January 27, 2017.
- There is now a schedule with SPE national and specifics for calls for papers, or e-blasts vs. a general call. However, our Division did get a call for papers emailed last week before it was decided by National SPE that email blasts from individual division and sections

would no longer be sent from the home office.

- Call out was just on October 31, 2016 and will go out again on or around November 22, December 20 and a final one on January 5th.
- Topics requested are to include but are not limited to:
 - Technical and/or commercial mold component product design/build presentations.
 - Emerging technology for mold design / mold build.
 - Difficult calculations found in new mold designs.
 - Design/build information on subjects like venting, simulation, cooling, treatments for wear resistance, etc.
- Assistance from new Board members – Email Brenda if you can help with reviewing papers, suggestions for keynote speakers, etc.
- We also covered that we are now accepting fully written technical papers, commercial papers and power points, highlighting the fact that they must be truly technical in nature to be accepted.

Technical Tour (Greg, Glenn)

- The concept is to team up with AMBA Chicago Chapter to host a tour of a shop in the area, highlight different positions/departments in the shop, and have someone in each area talk about advances in their respective areas and then have dinner and networking at a local restaurant.
- No assigned shop yet, but did speak with AMBA Chicago Chapter Board and they are receptive. **To Do:** Glenn and Greg to meet with Francine Petrucci, AMBA Chicago president, to solidify program and set a date/location.
- Floating dates to the AMBA and our Board: 1/24, 1/31, 2/21.

Division Councilor Report – Cyndi Kustush

- First Council meeting is on December 7 by phone.
- (Message from Pres Elect Raed Al-Zubi a week ago on Leadership Lane) “During our last council meeting at ANTEC in Indianapolis we presented SPE's new 3-year Operation Plan (2016-3YOP). This was followed by President Scott Owens posting it on this Leadership Lane platform requesting input from our Chapters. Each year the President Elect and the CEO update the Plan according to markets evolutions, trends and needs of our Chapters. In line with this, I will be starting this exercise with our CEO and would ask for valuable input,



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Call for Papers

ANTEC has issued its Call for Technical Papers, Commercial Papers and PowerPoints for the 2017 SPE ANTEC to be held May 8-10, 2017 in Anaheim, CA. Submissions are now being requested for the The Mold Technologies Division, D35.

Topics of interest include but are not limited to:

- Technical and/or commercial mold component, product design/build
- Emerging technologies for mold design and/or mold build
- Difficult calculations found in new mold designs
- Design/build information on subjects like venting, simulation, cooling, treatments for wear resistance etc.
- Unique solutions/mold technology for cycle time/cost reduction for applications, engineering materials, etc.

Paper Deadline: January 13, 2017

[Click HERE to Create a Submission](#)

Questions?

Edwin Tam

Technical Program Chair 2017
+1 401.642.3753

Scott Marko

Events Manager
+1 203.740.5442

ANTEC® Anaheim 2017

hopefully before the end of the year. I have attached our current 2016-3YOP for your review and reference. The valued discussions and comments on the future of ANTEC and other subjects that took place on the Chain are / will all be considered as we update our 3YOP.”

- **NOTE:** The 3YOP is 29 pages long, so Cyndi didn't print it. Asking that our officers review it and send any comments, questions or suggestions to her and she will submit them to Mr. Al-Zubi on our Division's behalf. It's posted on The Chain's Leadership Lane page, but Cyndi will also provide a link and/or the PDF as able, via email. Please review and send feedback by Nov. 18 (before Thanksgiving).

Membership Chair –

Needs to be determined. Glenn plans to fill the position by the next meeting.

Sponsorship Chair Report – Renee Nehls

- The final draft of the Sponsorship Costs and Benefits plan for 2016-17 was approved. Glenn provided some background about sponsorship and that the Division is getting more actively involved at industry events like Mike Koebel Trade Fair, Amerimold and ANTEC, where sponsors will be given exposure based on their level of support for the Division.
- Glenn recognizes Robert Federico, Events Coordinator at Progressive, for helping coordinate the Division's booths and tabletops at these events.

Newsletter Editor Report – Clare Goldsberry

- Autumn 2016 – Claire needs bios/photos of new BOD members (GS); blurb about SPE at Mike Koebel Trade Fair and images (CLK); Approved sponsorship benefits (RN); K Show summary; ANTEC call for papers and call for nominations of Mold Maker and Mold Designer of the Year (BC) for this NL.

Awards Chair Report – Wayne Hertlein

- Mold Maker of the Year and Mold Designer of the Year is coming up for 2017. Fellows and HSM, should be on agenda for Glenn, Cyndi and Wayne.
- Wayne recommends new membership chair scour the SPE MTD membership list for nominees; send list to all board members also.
- History document is being updated.

Education Chair Report – Greg Osborn

Grant status. The Division is offering three (3) \$2,500 scholarships to high schools, community colleges and universities offering classes and training in our industry. Calling for possible candidates now. Free money.

Division Marketing – Cyndi Kustush / Glenn Starkey

- Business Cards. Glenn will send to each Director.
- SPE MTD shirts are being worked on so that we can present ourselves as a team at trade events.
- Giveaways, laser engraved giveaways – magnifying loops with our Division name and logo etched on them.

New Business

Glenn, during Amerimold earlier this year, got into a conversation with some organizers of the new mold show held in Stuttgart, Germany, regarding forming some level of partnership with SPE. He then connected them with SPE's Wim DeVos. All met at the K Show last month to discuss the viability of creating a conference program sponsored by the SPE at the mold show next year. Glenn says it will help put a flag in the ground somewhere a little further than our usual stomping grounds and would be another way for our Division to make its mark and contribute to the industry at large. The show will be held May 30 to June 2, 2017.

Next Meeting:

Tentative: Friday January 6th, 10:00 (CST)

Motion to adjourn the meeting at 10:15 a.m. was made by Brenda Clark; seconded by Wayne Hertlein.

Respectfully submitted,

Christina Fuges, Secretary to the Board



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*"Someone is sitting in the shade
today because someone planted a
tree a long time ago."*

Warren Buffett

Upcoming Industry Events

Plastics in Automotive

January 9-10, 2017

Detroit, Michigan

www.plasticsnews.com

MD&M West 2017

February 7-9, 2017

Anaheim, California

www.mdmwest.com

ANTEC 2017

May 8-10, 2017

Anaheim, California

www.4spe.org

Report on K 2016 from Christina Fuges from MoldMaking Technology Magazine

By all accounts K 2016 was a success. All 3,285 exhibitors were extremely pleased, according to show management, and companies reported a lot of new leads, with many closed deals over the eight days of the trade fair. A total of 230,000 attendees from more than 160 countries took part in the event.

According to show management, "attendees were delighted with the wealth of new technical developments presented by raw materials producers, machinery manufacturers and producers of semi-finished and technical parts. More than 70 percent of visitors stated that they received information on news and trends, 60 percent of industry decision-makers visited the show with solid investment plans and 58 percent found new suppliers. With these new purchases attendees pursued three main objectives: expand their product portfolio, extend production capacity



According to show management, 3,285 exhibitors and 230,000 attendees from more than 160 countries took part in the event.

and increase efficiency. The results of the attendee survey also confirm the positive business condition in the downstream sectors of the plastics and rubber industries: 60 percent of attendees rated current

business levels as 'very good' and 'good' which the same percentage even expects the condition to improve over the next 12 months."



Richard “Dick” Albert Brammer Obituary



Richard “Dick” Albert Brammer

Richard “Dick” Albert Brammer, passed away Friday, March 11, in Mesa, Arizona, at the age of 82.

Brammer began his professional career as a tool and die maker, but had a keen interest in plastic injection molding when it was first introduced. Brammer’s work played a key role in developing patented products for Ideal Industries, a Chicago area company specializing in connectors, hand tools, testers and meters for the electrical and telecommunications industries.

Brammer’s interest in the growing field of plastics led him back to school where he earned his degree. He then accepted a position at Ferris State College in Big Rapids, MI, where he was an associate professor until his

retirement. He was an active member in the SPE where he s

served as president of the mold making division.

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| United States Ellwood Specialty Steel 800-932-2188 esssales@elwd.com | Canada Ellwood Specialty Metals 877-978-2772 esmsales@elwd.com |
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USA ★

Progressive Components Europe Showcased New Component Technology at K 2016

Progressive Components had the opportunity to showcase its new tooling components and technology advancements the company introduced to the industry at K 2016. Featured at Progressive's booth were:

- CVe Monitor/CVe Live: New advancements in mold monitoring
- Z-Series Alignment Locks: Now

- available with a lifetime warranty
- Sub-10mm Collapsible Cores: For molding very small threads and undercuts
- Lifter Blades and Cores: Compact undercut solution for mold designers

(www.procomps.com)

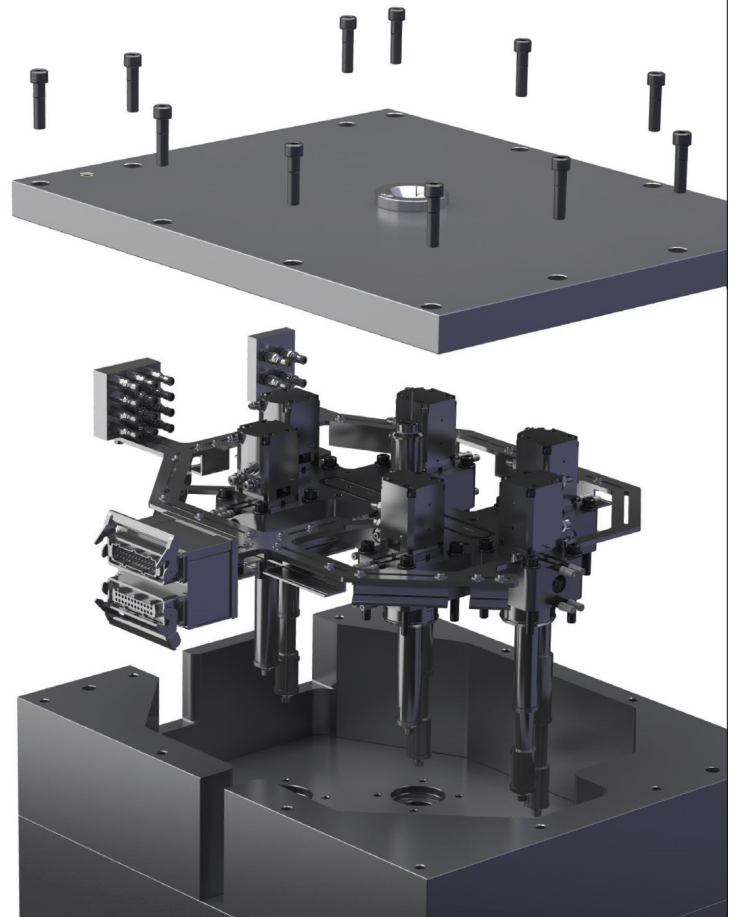


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Introducing UNIFY™ Manifold System

Husky's new UNIFY™ manifold system is pre-wired and pre-assembled with hydraulic valve gate actuators for simple, quick installation into your mold. The UltraSeal design keeps the nozzles aligned to the mold gate in cold condition, at operating temperature and anywhere in between. UNIFY™ manifold systems save you time and effort during installation and provide the same leakproof performance as all Husky Hot Runners.

www.husky.ca >

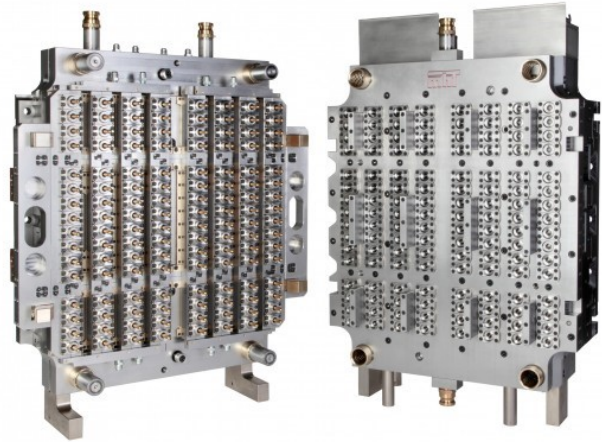


MHT Mold and Hotrunner Technology

MHT Mold & Hotrunner Technology AG, preform manufacturers used a Husky HyPET injection molding machine to produce more preforms without needing to make changes to the machine. In the entire packaging industry, the signs point to more sustainability and saving resources. The result of MHT's development efforts was an improved degree of effectiveness, better cooling and energy efficiency, and finally the ecologically and economic possibility of continuing to operate an existing machine with higher output.

By moving the cavities slightly closer together and adding cavities on the left and right, the MHT team achieved a higher cavitation mold in nearly the same footprint and the original mold. For example, in a HyPET 120 molding machine, a 32-cavity mold can achieve a 50% greater productivity by becoming a 48-cavity mold. The stacks, i.e. the molds, in which the preforms are created, are identical with those that have been proven for years. The space-saving therefore “does not go hand-in-hand with a more filigree mode of construction, which may be more susceptible to faults,” said MHT.

When the preforms are produced, they need to be post-cooled in order to be dimensionally stable for the further handling as bulk material. This is where a self-developed, three or four-stage, post-mold cooling solu-



128HYyPET Cavity Mold

tion appears, for which an international patent has been applied. The upgrade set is available for preforms up to a maximum water thread diameter of 30/25. MHT assumes the complete project management of the prototype production, right up to ramp-up of series production and guarantees a smooth-running changeover to the new number of cavities. The upgrade set is offered within the context of a mold exchange or conversion, such as to a different preform design or weight.

(www.mht-ag.com)



“A good leader is not the person who does things right, but the person who finds the right things to do..”

Anthony T. Dadavano

Tomorrow's Toolmaker

As business continues to grow and more companies have capital with which to invest, we're seeing more mergers and acquisitions among various segments of the plastics industry, particularly the packaging segment. As companies become larger the demands on their supply chain also become bigger and mold makers – as well as molders – have to be ready to respond to these demands.

Two of the biggest trade shows that took place recently included the K Show in Dusseldorf, which drew 230,000 attendees from 160 countries, and the 60th Pack Expo in Chicago which came on the heels of K that saw 2,512 exhibitors and more than 47,000 targeted buyers. Many of these attendees are brand owners looking for the next big thing in packaging automation, packaging technologies (including molds and molding), and materials.

New technologies being developed – particularly in-mold labeling technology – are becoming more in demand as brand owners (i.e. Kraft/Mondelez and other food packaging companies) see the benefits of this technology including multi-layer barrier technology, better shelf appeal, and higher quality by eliminating secondary labeling operations such as glue-applied and self-adhesive.

Tomorrow's toolmaker will have to be on the cutting edge of what



As 2017 rolls around it's time to start thinking and planning what you will do to strengthen your company. What strategies will you put into play to be able to meet the demands and requirements brand owners, Tier 1s and other customers want in their supply base?

and financial strength to support these demands. As 2017 rolls around it's time to start thinking and planning what you will do to strengthen your company. What strategies will you put into play to be able to meet the demands and requirements brand owners, Tier 1s and other customers want in their supply base? It's time to be thinking about that now.



their customers' markets demand. They will also have to be of the size



Headquartered in Fraser, Michigan and with company roots dating back to 1950, PCS Company manufactures and distributes mold components, mold bases, hot runner products, and molding supplies for the plastic injection and die casting industries. Our customers include plastic injection molders, mold makers, mold designers, and die casters throughout North America.

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Hasco Nozzle Series H6000

HASCO has extended the company's nozzle range with a high performance and efficient Vario Shot nozzle series, focused on compact mounting dimensions, optimum temperature control, ease of servicing and a modular design. The different Vario Shot nozzles permit immersion depths. Of up to 300 mm, and can be used to process reinforced plastics and produce medium-sized injection molded parts with a shot

weight of up to 2000 grams. The complete interchangeability of all the relevant components, including the heating, thermocouple, nozzle body, nozzle tip and melt chamber, facilitates maintenance and servicing.

Al Vario Shot torpedo tips are made of an innovative high-tech alloy and have flow-optimized geometries. In addition to their excellent thermal conductivity, they have high wear resistance. The large se-



lection of nozzle lengths for manifold and single nozzles makes for extensive freedom in mold design.

(www.hasco.com)

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.

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Publication Release Dates

Fall Issue
November 2016

Winter Issue
February 2017

Spring Issue
April 2017

Summer Issue
June 2017

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CALL FOR CANDIDATES SPE MOLD TECHNOLOGIES DIVISION

Mold Maker and Mold Designer
of the Year 2017 Award

Every year, the Society of Plastics Engineers Mold Technologies Division recognizes both a Mold Maker and a Mold Designer, who have made significant contributions to their profession, and have supported and advanced the industry.

Anyone may submit a candidate to be considered for either of these two prestigious honors, and the recipient need not be an SPE Member. To submit a candidate for consideration, please fill out your contact information, along with the contact information for the award candidate. Please identify the award that you are submitting the candidate for, be it the Mold Maker of the Year, or the Mold Designer of the Year.

Also, please include information on the candidate (bio, description of accomplishments, etc.) to explain why you feel that your candidate should receive the respective award.

Your contact information:

Full Name: _____
Mailing Address: _____

Phone Number: _____
Email Address: _____

Please indicate which award applies to the candidate (*check the box that applies*):

- ☐ Mold Maker of the Year 2017
☐ Mold Designer of the Year 2017

Please note that in some cases, a candidate can be suitable for consideration for either award if their background is in both mold making and mold design.

Contact information for award candidate:

Full Name: _____
Mailing Address: _____

Phone Number: _____
Email Address: _____

Bio for candidate is attached. (*Note: Bio/Description must be submitted for consideration.*)

Send Nominations To:

Wayne Hertlein: wayneh7758@aol.com