



Society of Plastics Engineers

BLOW MOLDING DIVISION

Vol 2016 Edition 3

The SPE Blow Molding Division is proud to announce that its **2016 Lifetime Achievement Award Recipient** is

Robert Jackson President of Jackson Machinery



The Blow Molding Division's Lifetime Achievement Award, the Division's highest award, is bestowed upon an individual who has demonstrated outstanding achievements and contributions to the business, science and technical engineering aspects in the field of blow molding.

The awardee is selected by the Blow Molding Division's Board of Directors from nominees sponsored by the members of the Society of Plastics Engineers.

In 1968, Bob began working for Peninsular Machinery in Detroit, MI. Peninsular sold metal working tools and plastic processing equipment in the outstate region of Michigan.

Bob joined the society of Plastic Engineers, (which by the way was founded in Detroit, MI) and in 1970 began going through the chairs of the mid Michigan Chapter of the SPE and later became president.

Bob attended General Motors Institute for plastic processing and subsequently went to work for the Beloit Corp., Plastic Machinery division, as the Product Manager for structural foam. He later became lead salesman for their injection molding group and managed to garner the largest single order for Beloit from Fisher Body.

Bob then moved on to become the youngest sales manager in the US for Farrel Injection molding machines. Two of his men were competing for the number one position in 1978. One of the men was covering GM the other Ford. The GM guy was going to win for sure. He had booked 14 million dollars. The other fellow who was normally number 1 or 2 stopped in Bob's office and said not to worry, I got it in the bag. Two weeks later he booked Farrels largest single order for 15.1 million dollars.

Shortly thereafter Bob decided to become an entrepreneur and get out of the plastic industry. This adventure lasted about one year and Bob returned to Hayssen Manufacturing as the Plastic Machinery Blow Molding Manager. At this point he joined the Blow Molding Division of the SPE and went through the chairs and became president.

In 1986 Bob started Jackson Machinery, Inc. (JMI) in Port Washington, Wisconsin and for the next 30 years JMI manufactured new blow molding machinery, building large accumulator head machines called Fleximatics, and smaller bottle machines called versa-matics. As well as refurbishing used blow molding machines. They build special designs for thermo set blow molders and specialty products as necessary, including one of the first electric machines in the industry. JMI continues to innovate and recently has designed and built an 11 foot tall extremely large platen machine for kayaks.

JMI continues to grow and has become the exclusive North American agent for Hesta Blow Molding Machines, including both electric and hydraulic blowmolding machines to complete in today's market.

Bob is a member of:

- Society of Plastic Engineers (received the SPE Honored Service Award)
- Society of the Plastic Industry
- Plastic Pioneers Association



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Become a member

Join the SPE Blow Molding Division

Sign up for ABC 2016 today!!

Full conference registration fee is: \$575.00

One-Day Registration Fee: \$275.00

University Student Rate: \$250.00

If you have three or more registering from your company,
please call Linda Flowers at (419) 867-5424
to receive a 10% discount on your registration fees.



Make plans now to attend this premier event solely for the blow molding industry!

All attendees of ABC 2016 will enjoy a discounted room rate of \$149.

Make your reservation here: [ABC 2016 Hotel Reservations](#)

If you have questions or require additional assistance,
please call the Crowne Plaza directly at (770) 395-7700.

Conference Program

➤ **Monday, October 3, 2016**

1:00 – 4:00PM “Plastic 101’s.” Choose from a full schedule of 45 minute seminars covering topics from engineering processes to machinery and materials overviews.

5:00 – 7:00PM

Join us for the Welcome Reception and Exhibits, a great way to kick off ABC 2016.

➤ **Tuesday, October 4, 2016**

8:30AM – 5:30PM Keynote speaker, General and Technical Sessions

5:30 – 7:30PM The SPE Blow Molding Division’s annual awards will be presented at the reception and awards program which will recognize student scholarships and student design winners. A special segment of the evening will be dedicated to the Division’s Lifetime Achievement Award.

➤ **Wednesday, October 5, 2016**

8:30AM – Noon

Concurrent Technical Sessions with Conference concluding after Lunch

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techmerpm.com/ABC



Innovating, Educating and Sustaining the Future of Blow Molding 32nd Annual Blow Molding Conference

October 3-5, 2016
Crowne Plaza Atlanta Perimeter at Ravinia
4355 Ashford Dunwoody, Atlanta, Georgia

MONDAY, October 3, 2016

8:30 AM - 5:30 PM	Attendee and Exhibitor Check-in and Set-up (<i>Ravinia II and Pre-Function Area</i>)	
1:00 pm - 2:30 pm	Plastics 101 Sessions	
Resins 101 Moderator: Jeff Light, AMCO Polymers LLC Session 1 - Dunwoody A	1:00 pm - 1:45 pm PET Overview -George Rollend, Technical Marketing Manager, DAK Americas	1:45 pm - 2:30 pm Fundamentals of Polyolefin Structure - Property Relationships in Blow Molding Applications - John Sugden, Application Technology Leader, Performance Packaging, The Dow Chemical Company
Extrusion Blow Molded Containers & Packaging 101 Moderator: Rama Etekallapalli, Arch Plastics Packaging Session 2 - Dunwoody B	1:00 pm - 1:45 pm Shuttle Blow Molding Technology -Joe Slenk, Applications Engineer, Bekum America Corporation	1:45 pm - 2:30 pm An Overview of Recip Screw Technology- Dale Maddox, Process Engineer, Milacron
Line Inspections and 3D Printing Moderator: Ron Puvak, Plastic Technologies, Inc. Session 3 - Dunwoody C	1:00 pm - 1:45 pm Overview of Inspection for Complete Lines -Mike Coy, Marketing Manager, Pressco Technology Inc.	1:45 pm - 2:30 pm An Overview 3D Printing - David Helms, SE Business Development, Forecast 3D
Color 101 Moderator: George Hurden, Kautex Machines, Inc. Session 4 - Ravinia A	1:00 pm - 1:45 pm How to Communicate about Color with Your Team and your Supplier -Paul Palcko, Color specialist, Technical Coordinator, Riverdale Global	1:45 pm - 2:30 pm The Next Generation of Liquid Color -Paul Maguire, CEO, Riverdale Global
Bioplastics & Calcium Carbonates and Additive Technology Moderator: Brian Spence, Silgan Plastics Session 5 - Ravinia B	1:00 pm - 1:45 pm Implementing CaCO₃ Based Additives in EBM Applications -Jason Riggs, Product Development Manager, Heritage Plastics, Inc.	1:45 pm - 2:30 pm Commercial Viability for Bio-Plastics -Scott Steele, President Plastic Technologies, Inc.
2:30 pm - 3:00 pm	Refreshment Break - Outside of Seminar Rooms	
3:00 pm - 4:30 pm	Plastics 101 Sessions cont.	
Stretch Blow Molding Moderator: Dale Klaus, Quality Custom Molding Session 6 - Dunwoody A	3:00 pm - 3:45 pm Single Stage Stretch Blow Molding - Hayato DeSouza, Container Designer Nissei ASB Company	3:45 pm - 4:30 pm Two-Stage Stretch Blow Molding -Don Miller, VP, Director of Technical Services, Plastic Technologies, Inc.

<p><i>Injection Blow Molding and Accumulator Blow Molding</i> Moderator: Don Maines, Triad Precision Products, Inc.</p> <p>Session 7 - Dunwoody B</p>	<p>3:00 pm - 3:45 pm <i>Injection Blow Molding Process and Applications</i> - Ambrogio Invernizzi, Product Manager, Milacron</p>	<p>3:45 pm - 4:30 pm <i>Accumulator Head Blow Molding</i> -Chuck Flammer, VP Sales NA</p>
<p><i>Engineering Thermoplastics</i> Moderator: Randy Moynihan, Chevron Phillips Chemical Co. LP</p> <p>Session 8 - Ravinia A</p>	<p>3:00 pm - 3:45 pm <i>Blow Molding Engineering Thermoplastics</i> -Lew Ferguson, PARISONS</p>	
<p><i>Operations 101</i> Moderator: Jeff Light, AMCO Polymers LLC</p> <p>Session 9 - Dunwoody C</p>	<p>3:00 pm - 3:45 pm <i>The ABC's of Asset Management</i> -Scott Kelley, Managing Director, GeoMetric Reliability</p>	<p>3:45 pm - 4:30 pm <i>"Another Job Description?" Best Practices for Hiring the People You Need!</i> - Dennis Gros, President, Gros Recruiters</p>
<p>5:00pm - 7:00 pm</p>	<p>Welcome Reception and Exhibits (Ravinia II)</p>	

TUESDAY, October 4, 2016

<p>7:30 am - 8:30 am</p>	<p>Registration and Continental Breakfast (Ravinia II)</p>	
<p>8:30 am - 10:15 am</p>	<p>General Session I (Ravinia I) Moderator: Jamie Pace, Nissei ASB Company</p>	
<p>8:30 am - 8:45 am</p>	<p>Welcome and Chairman's Message - Jamie Pace, Nissei ASB Company</p>	
<p>8:45 am - 9:30 am</p>	<p>Keynote Speaker Scott Collick, Core R&D Director - Performance Plastics & Hydrocarbons The Dow Chemical Company</p>	
<p>9:30 am - 10:15 am</p>	<p>PET Packaging: The Dynamics of a Maturing Industry - John Maddox, President, SBAcci</p>	
<p>10:15 am - 10:45 am</p>	<p>Refreshment Break - Networking and Exhibits (Ravinia II)</p>	
<p>10:45 am - 12:30 pm</p>	<p>General Session II (Ravinia I) Moderator: Cal Becker, Eastman Chemical Co.</p>	
<p>10:45 am - 11:30 am</p>	<p>Resin Market Update - The Impact of New Capacity Joel Morales, Director, Polyolefins for North America, IHS Chemical</p>	
<p>11:30 am - 12:00 pm</p>	<p>Millennials—What's Going on in There? Dennis Gros, President, Gros Recruiters and a student panel discussion</p>	
<p>12:00 pm - 12:30 pm</p>	<p>Sustainability, Marine Debris Solutions, and Recycling Rudy Underwood, Vice President of State Government Affairs, America Chemistry Council</p>	
<p>12:30 pm - 2:00 pm</p>	<p>Luncheon (Dunwoody Suite)</p>	
<p>2:00 pm - 3:30 pm</p>	<p>Session 1A - Electric Vs. Hydraulic: Improving Productivity (Ravinia D1) Moderator: Don Maines, Triad Precision Products, Inc.</p>	
<p>2:00 pm - 2:30 pm <i>Electric vs. Hydraulic</i> -Bill Bregar, Senior Correspondent, Plastics News</p>	<p>2:30 pm - 3:00 pm <i>Savings with New Technologies in EBM</i> - Eberhard Beck, R&D Director, Hesta Blasformtechnik GmbH & Co. KG</p>	<p>3:00 pm - 3:30 pm <i>Comparison Between Melting Rate, Temperature Settings and Screw Design on Machine Performance</i> - Jeffrey Myers, President, BARR, Inc.,</p>

	Session 1B: Design and Blow Molding Innovations and “A Legend” <i>Moderator: Bob Jackson, Jackson Machinery, Inc.</i> <i>(Ravinia ABC)</i>	
2:00 pm - 3:00 pm Profitability & Accountability in Blow Molding (How to Make Money in Blow Molding) A Panel Discussion Erik Skov, Newell Rubbermaid, Eberhard Beck, Hesta Blasformtechnik GmbH, Ken Carter, John Deere, John Headrick, HCG, LLC & CSCOAST, LLC	3:00 pm - 3:30 pm Charles K. Sewell, “The Legend” - John Sewell, President and CEO, CKS Packaging, Inc.	
3:30 pm - 4:00 pm	Refreshment Break - Networking and Exhibits	
4:00 pm - 5:30 pm	Session 2A - Sustainability, Recycling and Energy Reduction (Ravinia D1) <i>Moderator: John Sugden, The Dow Chemical Company</i>	
4:00 pm - 4:30 pm A Current Perspective on the Use of HDPE & PP Post Consumer Resin - Pedro N. Morales, Director of Sales and Marketing, Clint Pugh, Sales Representative, KW Plastics Recycling	4:30 pm - 5:00 pm Increasing Recycled PE Content while Maintaining Quality (Going Green without the Pain) - Chris Ernst, President, Advanced Blending Technologies	5:00 pm - 5:30 pm Minimizing the Energy Costs Associated with Drying PET -Pete Stoughton, Owner, Polymer Drying Services
4:00 pm - 5:30 pm	Session 2B - Foam Technologies and Barriers (Ravinia ABC) <i>Moderator: Dr. Surendra Agarwal, Creative Group of Industries</i>	
4:00 pm - 4:30 pm Foaming Technology for Blow Molding -Simon Dominey, Vice President, MuCell Extrusion LLC	4:30 pm - 5:00 pm Mechanical Properties of Tri-Layer Foam Blow Molded Containers in Comparison to Solid Wall Containers - Wolfgang Meyer, President, W. MÜLLER USA, Inc.	5:00 pm - 5:30 pm Advances in EVOH for Improved Impact Resistance and Retort Compatibility -David Hagen, Ph.D., Technical Service and Development Engineer, Kuraray America Inc.
6:00 pm - 9:00 pm	Strolling Dinner Reception (Pre-Function Area by Exhibit Hall)	
7:00 pm - 7:30 pm	Lifetime Achievement Honoree, Student Scholarships, Parts Competition Awards	

WEDNESDAY, October 5, 2016

7:30 am - 8:30 am	Continental Breakfast and Exhibits (Ravinia II)	
8:30 am - 10:00 am	Session 3A - Automotive Fuel Systems and Foam Technologies <i>Moderator: Geoff Ward, Agri-Industrial Plastics Company</i>	
8:30 am - 9:00 am Plastic Fuel Tank Deformation in the Post Blow Molding Phase: Warp and Shrinkage Tolerance Issue - Dr. Mohammad Usman, Analytical Product Engineering PowerTrain Installations, Syed Ahmad, CAE Product Development Engineer, Ford Motor Company	9:00 am - 9:30 am Composite Tank Manufacturing -Chuck Flammer, Vice President Sales NA, Kautex Machines, Inc.	9:30 am - 10:00 am Foam Extrusion Blow Molding with CFA -Sergey Bobrov, Founder, Senior Scientist, POLY-WERK LLC / iD Additives, Inc.

8:30 am - 10:00 am	Session 3B - Simulation and Modeling (Ravinia ABC) <i>Moderator: Brian Spence, Silgan Plastics</i>	
8:30 am - 9:00 am What are the New Frontiers in Modeling and Simulation in Consumer Packaging? - Romil Tanov, Ph.D., Technical Expert, Dassault Systemes	9:00 am - 9:30 am Improving the Drop Impact Performance of EBM Molded Containers—Not for the Faint of Heart! -Daniel Applegate, Predictive Modeling Engineer, Plastic Technologies, Inc.	9:30 am - 10:00 am Validating FE Simulations for the Stretch Blow Molding Process -Dr. Gary Menary, Queen’s University & Blow Molding Technologies
10:00 am - 10:30 am	Refreshment Break - Networking and Exhibits	
10:30 am - 12:00 pm	Session 4A - Cost Efficient Packaging, Good Manufacturing Practice for FDA, and Modeling <i>Moderator: Henry Vogel, Heise Industries (Ravinia D1)</i>	
10:30 am - 11:00 am Cost Efficient Packaging Plastic Bottles - Geert Beerens, Vice President, Delta Engineering	11:00 am - 11:30 am “Getting to Good”- Good Manufacturing Practice for FDA-Regulated Food-Contact Materials -Daniel Rubenstein, Associate, Keller and Heckman LLP	11:30 am - 12:00 pm BlowView Software to Predict Parison and Sheet formation in Industrial EBM Processes - Automotive Case Studies -Dr. Zohir Benrahbeh, Research Officer, National Research Council Canada - Automotive and Surface Transportation
10:30 am - 12:00 pm	Session 4B - New Technologies, Automation, Impacts on Machine Performance <i>Moderator: John Headrick, Competent Solutions (Ravinia ABC)</i>	
10:30 am - 11:00 am Production Process Control Utilizing Vision Systems -John Lambert, Sales Manager, INTRAVIS, Inc.	11:00 am - 11:30 am Engineered Automation for Packaging/Blow Mold Industry -Siva Krish, Sales Manager, Proco Machinery, Inc.	11:30 am - 12:00 pm Can XCT-CMM Technology Benefit the Blow Molding Industry? -Kevin Legacy, CT Product Manager, ZEISS Industrial Metrology LLC
12:00 pm - 1:30 pm	Networking Lunch (Pre-Function Area by Exhibit Hall)	
1:30 pm	Conference Concludes	

SPE Blow Molding Division 2016 Scholarship Award

Seth Cook has been awarded the SPE Blow Molding Division's 2016 Carrie Fox Solin Memorial Scholarship in the amount of \$3000. He was chosen for this award by the division's scholarship selection committee based on his outstanding record of academic and extracurricular achievements.

Seth is a senior at the Pennsylvania College of Technology in Williamsport, PA where he has a 4.0 GPA. He expects to graduate in May 2017 with a BS in Plastics and Polymers Engineering Technology and a minor in Mathematics. He previously earned an Associate's degree in Plastics and Polymers Technology at Penn College.

During the past two summers, he interned at Key Plastics and York Imperial Plastics. Seth also serves as a mentor for freshmen in the plastics program at Penn College. Upon graduation, Seth plans to obtain a job in the plastics field where he can improve upon processing methods and, therefore, produce higher levels of automation. Upon notification of his scholarship award, he replied "My success is a product of my own hard work combined with the help of my family, friends, teachers, co-workers, and those who so generously have supported me at SPE. I sincerely thank these parties for their continued support and, hopefully, one day I will be in a position to return the favors that I have received."



The Society of Plastics Engineers is an organization dedicated to promoting the scientific and educational aspects of the plastics engineering profession, and the Blow Molding Division provides a forum for the promotion and dissemination of information relating to blow molding technology.

The Blow Molding Division of the Society of Plastics Engineers awards its annual Memorial Scholarship(s) to selected students enrolled in plastics engineering programs. Since inception of the scholarship program, the SPE Blow Molding Division has awarded \$263,500 to 40 students enrolled in programs that include curriculum pertaining to blow molding. Seth is the 4th Penn College of Technology student to receive a SPE Blow Molding Division scholarship.

The Blow Molding Division's scholarships and other educational support programs are funded with the income from a \$216,000 Grant Fund endowment that has grown over time with the support of the division's sponsors.

The value of the division's scholarships is up to \$6,000. Funds are distributed in two disbursements over a two-year period, usually during the junior and senior terms. If the recipient is a senior, a \$3000 award is made. The award recipients are recognized at the SPE Annual Blow Molding Conference (ABC). A travel allowance is provided.

Qualifications for the scholarship are as follows:

- 1. The student must be enrolled full-time in a degreed undergraduate Plastics Engineering program.*
- 2. The student should be completing the 2nd year of a four-year program.*
- 3. The student will have at least a 2.5 overall grade-point average (4.0 scale).*
- 4. The student must be a member of an SPE Student Chapter.*
- 5. The applicant will submit a brief essay with their application describing the importance of blow molding to the technical parts and packaging industry.*

We seek students who plan to make a career in plastics engineering (a sincere interest in the Blow Molding industry is a plus). We request that qualifying students submit an application by following the instructions and completing the appropriate forms for the Blow Molding Division Memorial Scholarships at the SPE Foundation website.

See our website for additional information. <http://www.blowmoldingdivision.org/scholarships/>



ABC 2016 Blow Molded Parts Competition Entry Form

Entry Deadline: September 24, 2016

Shipment Deadline: October 1, 2016

As the premier event for the blow molding industry, the Annual Blow Molding Conference showcases the latest advancements and innovations in blow molding design and applications. This year, the SPE Blow Molding Division invites all conference attendees, speakers and sponsors to participate in the **Third Annual Blow Molded Parts Competition**.

Product Entry Submission Form

Submitter / Attendee*: _____

Submitter Company Information*: _____

Part Name*: _____

Manufacturer / Blow Molder: _____

Designer / Other Contributors: _____

Mold Maker / Toolmaker: _____

Material Supplier / Resin Type: _____

Address*: _____

City: _____ State: _____ Postal Code: _____ Country: _____

Telephone*: _____ Mobile Phone*: _____ Fax*: _____

Email*: _____

Submitter signature and Release of Liability*: _____ Date: _____

Product Category: please check one

Packaging: Food Beverage Pharmaceutical Packaging Other

Industrial: Automotive / Transportation Consumer Goods Industrial Other

Shipping Information:

SPE Blow Mold Conference
PART COMPETITION
Crowne Plaza Atlanta Perimeter at Ravinia
4355 Ashford-Dunwoody Road
Atlanta, GA 30346
Tel: (770) 395-7700

Parts should be shipped no more than 2 business days in advance of event. Shipments will be delivered to the conference registration area outside of the exhibit hall. Each entry should be shipped with a completed return bill of lading form.

Submission Instructions:

Complete form on-line, save as pdf and return to:
parisonsblowmolding@gmail.com

- Submission form
- Display and judging information form
- Product image in a jpg format

The image and description should be suitable for publication. A separate entry form, description and photo will be required for each submission.

Contact: Lew Ferguson, Chair, Blow Molded Parts Competition
Email: parisonsblowmolding@gmail.com Tel: 313-506-4637



ABC 2015



BLOW MOLDED PARTS COMPETITION DISPLAY AND JUDGING FORM

Part Name:

Submitter / Company:

Part Description

[1 to 3 sentences]



Part Features / Benefits:

[include novel features of the part like, design, manufacturing, material application, parts consolidation, commercial implications, sustainability, safety, cost savings – up to 12 bullet points]





Photo of the Part:

▶ Please send a JPEG picture of the part as a separate file.



ABC 2016 Blow Molded Parts Competition Guidelines

1. Parts may be entered by any conference attendee, speaker or sponsor (up to two parts per participant)
2. All entries must include a plastic form utilizing the blow molding process in some portion of the product.
3. All submissions must be new to the market starting commercial production within the last two years and made from production tooling.
4. Parts must be able to fit on display table. If you wish to display a part large than 48 inches, please contact Lew Ferguson, parts Competition Chair at parisonsblowmolding@gmail.com to discuss.
5. A completed entry form, display and judging information form and a photo for each part must be sent to the Parts Competition Chair by **September 24, 2016**.
6. A Display Form will be provided by the Parts Competition Committee using information contained in the entry form.
7. The Judging Committee may consolidate parts in categories, if fewer than 4 parts are submitted in a category.
8. No electric power connections are provided. If needed, power may be arranged through the hotel by contacting meeting services at (770) 395-7700.
9. No business cards, marketing materials, laptop presentations, etc. may accompany the part in the display area. The display is intended to be an exhibit to encourage discussions and technology exchange. No sales or marketing activities in this area will be permitted; however, there are conference sponsor opportunities to do so (visit www.blowmoldingdivision.org)
10. All shipments must follow the mailing label format as indicated in Shipping Information on the application.
11. Submitters will be responsible for collecting, unpacking and setting up their parts in the Parts Competition area located outside the ABC 2016 Exhibit Hall. Set-up hours are Mon., Oct. 3rd from 8:00-5:00 p.m. **All displays should be set-up by 5:00 p.m. on Oct. 3rd**. For more information about shipping and retrieving your parts, please contact Shipping and Receiving at (770) 395-7700.
12. Submitters will be required to pack and prepare their parts for outgoing shipment by 5:00 p.m., Wed., Oct. 5th which marks the conclusion of the Blow Molding Conference. The SPE Blow Molding Division is not responsible for any unclaimed parts after ABC 2016 concludes.
13. The Blow Molding Division winners will be announced at ABC 2016 Awards Reception and Program on Tuesday, Oct.4th at the Crowne Plaza Atlanta Perimeter at Ravinia.

RELEASE OF LIABILITY

Submission of an entry releases from liability, indemnifies and holds harmless the Society of Plastics Engineers Blow Molding Division, Directors, volunteers, employees or agents representing or related to The Society in part or whole. This release is for any and all liability for property losses and/or damage occasioned by, or in connection with any activity or accommodations for this event. Submission of an entry further agrees to abide by all the rules and regulations promulgated by the SPE Blow Molding Division and/or its affiliate groups or vendors throughout this conference event.

RELEASE OF PUBLISH

Submitters and individual category winners may receive publicity in trade journals or other publications. Submission of an entry constitutes acceptance of said publicity and confirms that the submitter has secured the necessary approvals to participate in the Blow Molded Parts Competition and to be featured in any subsequent publicity.



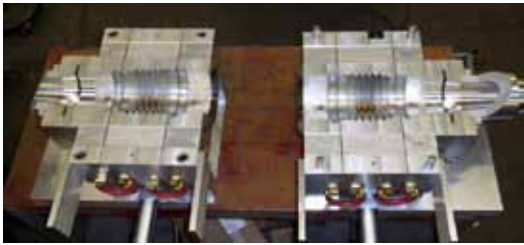


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ProTherm™	Copper Beryllium	20 Rc	Injection & blow molds, hot runner systems	Be extremely durable	Excellent hardness, wear resistance, non-galling	<ul style="list-style-type: none"> • Higher cycle life with lower maintenance costs • Less downtime
MoldMAX XL®	Copper Nickel Tin	30 Rc	Injection molds	Be easily fabricated	Faster machining rates than tool steels	<ul style="list-style-type: none"> • Lower mold fabrication costs
MoldMAX V®	Copper Nickel Silicon Chrome	28 Rc	Injection & blow molds			



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Grant Program

The Blow Molding Division of the Society of Plastics Engineers and Graham Engineering Corporation co-sponsor a program for continuing education of blow molding industry workers. By making financial resources available to Blow Molding Division member companies, this program will assist more people in obtaining continued education in blow molding and improve their job-related skills.

Up to \$600 per person is available to attend an SPE Blow Molding Conference, an SPE Seminar in Blow Molding, or other program applicable to blow molding.

Eligibility Criteria:

1. The employee must be a full-time employee of one of our member companies (having at least one current member of the SPE Blow Molding Division).
2. The employee's job function must be blow molding related.
3. The employee's academic training must not be higher than Associate Degree.
4. The employee must have company recommendation and support.
5. Costs exceeding \$600 will be the responsibility of the employee or employer.

How to enroll:

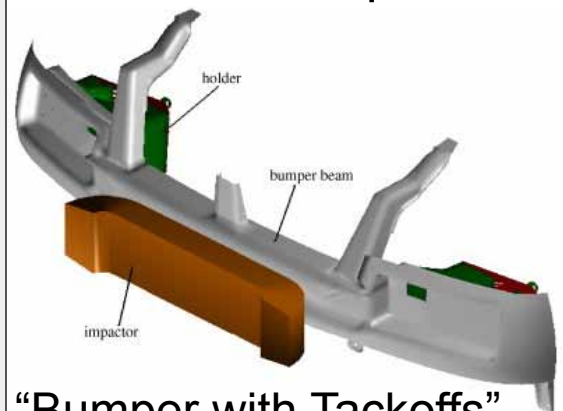
1. Submit a request to the Blow Molding Division at the following address:
Agri Industrial Plastics
Attn: Geoff Ward
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2. Include a letter of support from your company.
3. You will be notified of acceptance before the event that you wish to attend.

2016 Student Design Contest Winners

First Place Winner: Lindsey Gatesman, from Knox, PA, is a senior studying Plastics Engineering Technology at Penn State Erie - The Behrend College. She is currently a member of Tau Alpha Pi, the national honor society for engineering technology, and was a member of Lambda Sigma National Honor Society for sophomores. In addition to her education, she has had two consecutive internships at TE Connectivity in Winston-Salem, NC, where she worked alongside mold engineers and their quoting team. In her free time, Lindsey enjoys painting, camping and exploring the outdoors. She intends to graduate in May with a Bachelor of Science degree in Plastic Engineering Technology and pursue a career in the field.



1st Place - \$1000



“Bumper with Tackoffs”

Second Place Winner: Casey Baran

My name is Casey Baran. I grew up 15 minutes outside of Pittsburgh, Pennsylvania. I am currently a senior at Penn State Behrend studying Plastics Engineering Technology. I will graduate this coming December. In addition to my coursework, I have completed one co-op and two internships. My first experience was at Thogus Products Company in Avon Lake, OH as a process engineer co-op. The following summer, I spent at Comar, Inc. in Buena, NJ as a process engineer intern. My most recent summer was spent at Apple, Inc. in Cupertino, CA as plastic tooling engineer intern. I look forward to the challenges that the plastics industry has in store for me upon graduation.



2nd Place - \$750



“Cornhole Board”

[Continued on next page](#)

Third Place Winners:

Charles Buckley

Charles is from Orlando and is a senior at the University of Florida. He is currently pursuing a Bachelor's degree in Biological Engineering with a specialization in Packaging Engineering and a minor in Sales Engineering. He spent the last summer working as an intern at Packaging Corporation of America, where he was trained in the process of designing corrugated box solutions for companies such as Driscoll and Florida's Natural. He hopes to graduate in 2017 and begin working in the plastics industry where he can apply his knowledge and interest in packaging solutions.

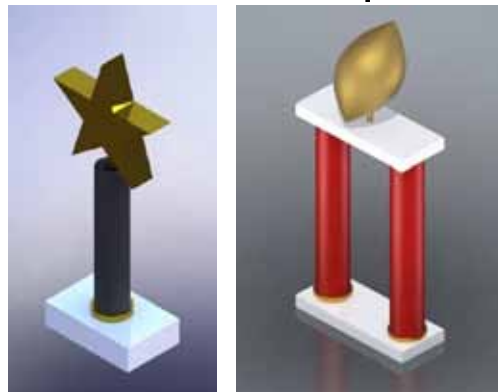


Bryce Reeves

Bryce is a fourth year Chemical Engineering student at the University of Florida pursuing a minor in Packaging Science. He is a member of the UF Packaging Club and the UF chapter for the American Institute of Chemical Engineers. He previously worked as an Undergraduate Researcher in the UF Organic Chemistry department, and spent a summer studying abroad in Hong Kong. He currently works as a chemistry tutor at the High School and Collegiate level.



3rd Place - \$500



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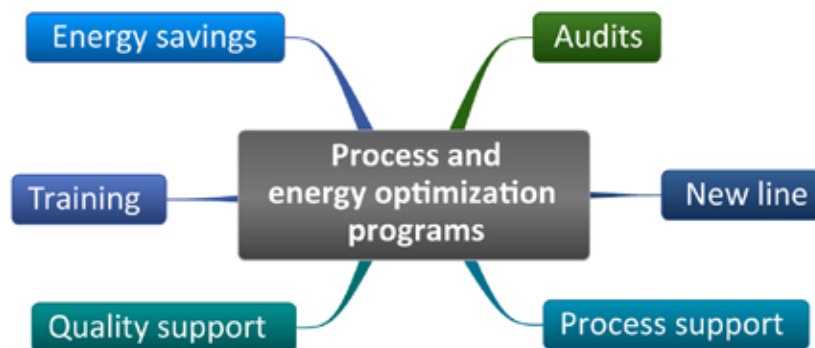


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**BOD Summer Meeting held at Nissei ASB Company
1375 Highlands Ridge Parkway, Suite C, Smyrna, GA 30082**

The Board would like to offer a Thank You to Jamie Pace and Nissei ASB for the hospitality and generosity in their hosting of our summer meeting. By doing so, they saved the Division a great deal of money which can be now better spent on other ventures.

Board of Director's General Session Meeting June 8th, 2016

- ❑ **Marketing Committee meeting**
- ❑ **Education Committee meeting**
- ❑ **Combined session to discuss new strategic plan and its implementation.**
- ❑ **Roll out new Mission Statement.**

Board of Director's General Session Meeting June 9th, 2016

- ❑ **Call to order at 8:40 am**

BOD Members Present:

Jeff Light, Ben Lopez, Gary Carr, Dr. Geoff Ward, Brian Spence, David Hayward, George Hurden, Jamie Pace, Cal Becker, Mark Heitker, John Rathman, Henry Vogel, Ron Puvak, John Sugden, Piaras de Cléir, Bob Jackson, John Headrick, Don Maines, Rama Etekallapalli

BOD Members Not Present:

Scott Steele, Kathy Birchmeier (Maternity), Dr. Surendra Agarwal, Randy Moynihan, Lew Ferguson, Dale Klaus, ABM Rashid, Mohammad Usman, Ken Carter

Board Candidates / Visitors:

Deirdre Turner, Program Coordinator (tele-conference)

- ❑ **Introductions & Welcome to the BOD – Jamie Pace**

1. Welcome all Board Members
2. Reviewed SPE Meeting Anti-Trust Guidelines

- ❑ **Treasurers report – Prepared by Ben Lopez, Reported by Mart Heitker**

1. A Motion to NOT transfer money to the Grant fund was made by Geoff Ward, 2nd by Mark Heitker, unanimous approval by Board majority.
2. A Motion to approve the June 2016 thru June 2017 Operating Budget was made by Jamie Pacer, 2nd by Ron Puvak, unanimous approval by Board majority.
3. A Motion to approve the treasury report was made by Bob Jackson, 2nd by John Rathman, unanimous approval by Board majority.

- ❑ **BOD Agenda / Motions**

1. A Motion to accept the minutes of the last meeting was made by Bob Jackson, 2nd by Mark Heitker, unanimous approval by Board majority.
2. Jamie Pace offers a Thank you to Ben Lopez for his work as Treasure and George Hurden for his work as Secretary. Both men have expressed to the Executive committee the need to step down from the respective positions.
3. Jamie Pace presents on behalf of the Executive Committee, a nomination for Don Maines to step in as acting Secretary, 2nd by Bob Jackson, unanimous approval by Board majority.
4. Jamie Pace presents on behalf of the Executive Committee, a nomination for John Headrick to step in as acting Treasure, 2nd by Jeff Light, unanimous approval by Board majority.

[Continued on next page](#)

5. A Motion to change the Policy Manual to remove the limit of Emeritus Members from 3 and remove the minimum of 1 meeting attended annually to remain Emeritus was made by Geoff Ward, 2nd by Piaras de Cléir, unanimous approval by Board majority.
6. A Motion to add to the role as Emeritus members; John McNamara, Gary Henneberry & Lewis Ferguson was made by Jamie Pace, 2nd by Jeff Light, unanimous approval by Board majority.
7. A Motion to skip the Marketing, Education, TPC and Councilors reports due to roll out of Strategy and Group meetings was made by Jamie Pace, 2nd by Cal Becker, unanimous approval by Board majority.
8. Present Board members chose 1 of 3 new Groups to serve on:
 - Knowledge & Technology Group Co-Chair (KTG)
 - Communication & Networking Group Chair (CNG)
 - Industry Engagement Group Chair (IEG)
9. A Motion to adjourn meeting made by Jamie Pace, 2nd by Bob Jackson, unanimous approval by Board majority

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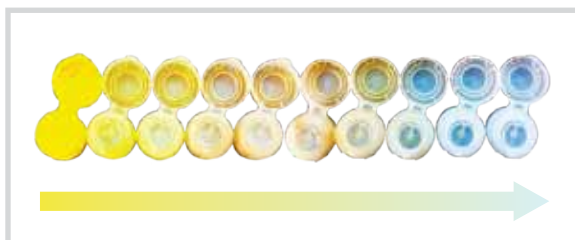
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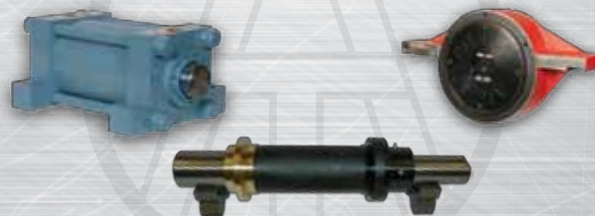
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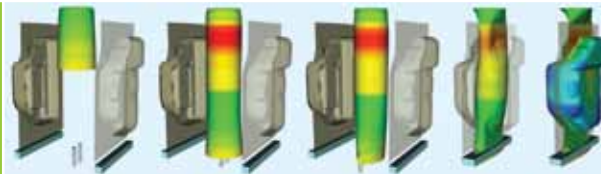
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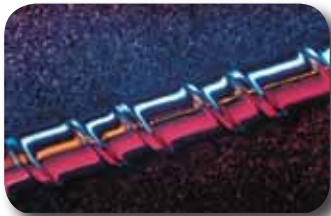
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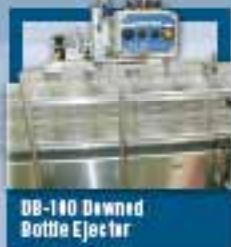
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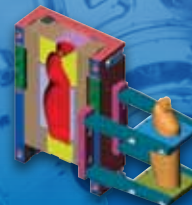
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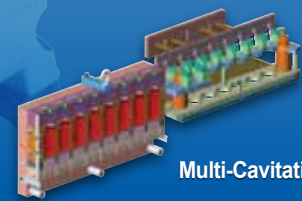
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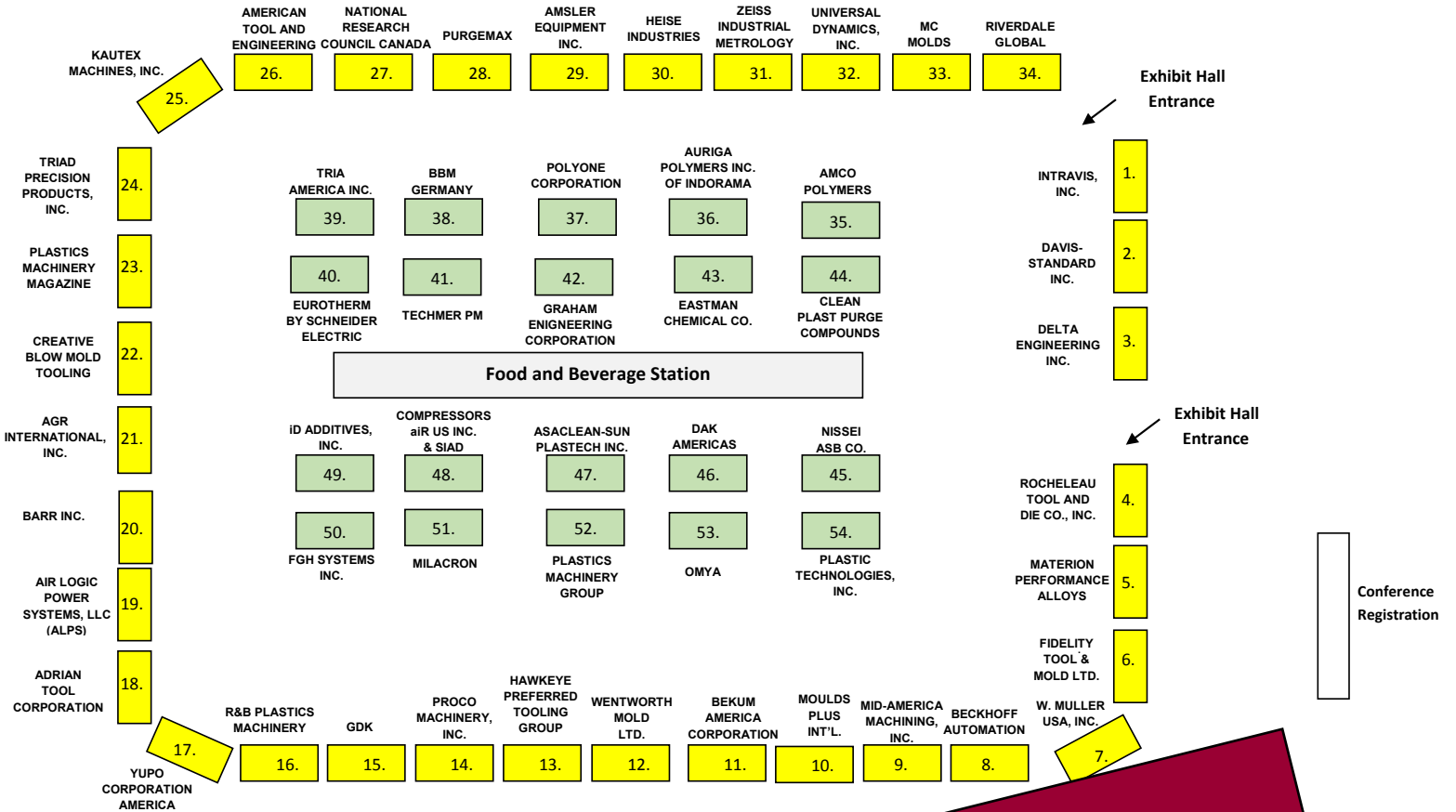
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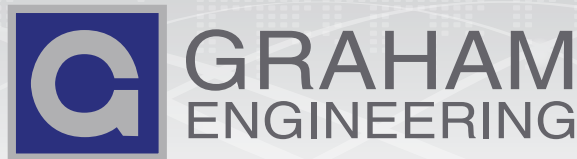
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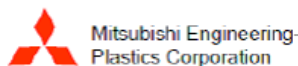
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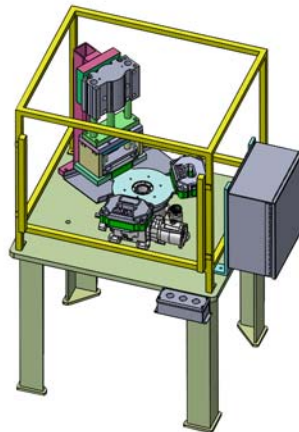


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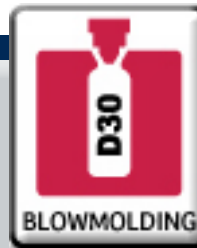
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Ph: 301/606-2544
E-mail: cjbecker@eastman.com

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Jeffrey S. Light
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Hope Valley, RI 02832
Ph: 401/486-3250 Fax: 401/486-9523
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Scott Steele
Plastic Technologies, Inc.
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P.O. Box 964
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SECRETARY



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Henry Vogel
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NEWSLETTER EDITOR



Ron Puvak
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David Hayward
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