



Society of Plastics Engineers

BLOW MOLDING DIVISION

Vol 2016 Edition 2

32nd Annual Blow Molding Conference



Crowne Plaza Atlanta
Perimeter at Ravinia
October 3-5, 2016



<http://www.blowmoldingdivision.org/conferences/conference-2016/>



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Chairperson's Message



Conferences like ANTEC and our own Annual Blow Molding Conference offer a wonderful insight into the industry by showing us the latest innovations and advancements in the blow molding technologies, educational opportunities and industry contacts. Blow molding is a unique process offering many challenges and future opportunities with high technology requirements. Blow molded products are, and will remain, a part of everyday life in packaging, automotive, medical and industrial applications. We invite you to attend these events and welcome your contributions and ideas for new developments toward future successes.

We would also like to acknowledge our educational sponsors that help support our various educational activities. Many thanks go out to the following current sponsors for their continued support:

- Kautex Maschinenbau GmbH
- ALPLA
- CKS Packaging
- Nissei ASB Company
- W. Müller USA, Inc.
- Agri-Industrial Plastics Company
- Ring Container
- INEOS Olefins & Polymers, USA

Our 2016 Division Sponsors help make many of our Division objectives a reality. Through the financial support of our Diamond and Platinum Sponsors, whose company advertisements you see here in this newsletter and on our sponsor webpage, we are able to provide educational grants to students, the next generation of blow molding professionals, and make it possible for them to attend the Annual Blow Molding Conferences. Last year, over 20 students attend ABC 2015 in Pittsburgh. Among them were several scholarship recipients and winners of the Division Student Design Competition. Our continued and sincere thanks to our sponsors for their generous support!

I invite you to visit our website for current information about ABC 2016, our Division sponsors, how to submit entries to the Annual Parts Competition, and more. Visit www.blowmoldingdivision.org today!

Our Annual Blow Molding Conference (ABC) will be held in Atlanta, Georgia, Oct. 3-5, at the Crowne Plaza Atlanta Perimeter at Ravinia. You'll find a preliminary program of speakers and topics in this newsletter as well a diagram of our nearly sold out exhibit hall!

We always welcome technical reviews and educational articles as part of our Division newsletters that can be shared with our blow molding community. If you have questions about submitting an article, becoming a Division sponsor, or you simply need information about the ABC, please contact our Division Coordinator, Deirdre Turner at deirdremturner@gmail.com or call (248) 505-5136.

On behalf of the Blow Molding Division, I look forward to seeing you in Atlanta at ABC 2016!

Regards,

Jamie Pace

SPE Blow Molding Division Chair

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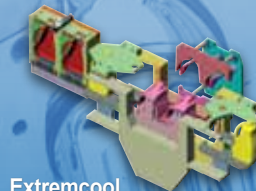
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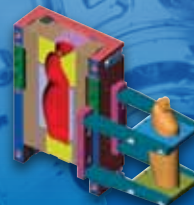
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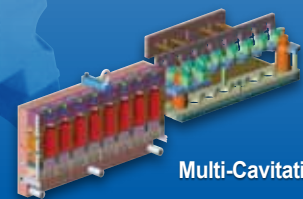
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Conference Speakers and Topics

Visit: <http://www.blowmoldingdivision.org/conferences/conference-2016-2/>

Keynote Speaker

Scott Collick, Core R&D Director – Performance Plastics & Hydrocarbons, The Dow Chemical Company

Plenary Session Speakers

Resin Market Update: The Impact of New Capacity! Joel Morales, Director of Polyolefins for North America, IHS Chemical

PET Packaging: The Dynamics of a Maturing Industry, John Maddox, President, SBACCI

Millennials—What’s Going on in There? - A Panel Discussion, Dennis Gros, President, Gros Executive Recruiters

Sustainability, Marine Debris Solutions and Recycling - Rudy Underwood, Vice President of State Affairs and Political Mobilization, American Chemistry Council

Featured Presentations Offered: (Packaging, Industrial and Materials)

Engineered Automation Solutions for Packaging / Blow Mold Industry, Siva Krish, Sales Manager, Proco Machinery, Inc.

Innovations in Printing and Additive Manufacturing, Jim Bednar, Business Development Manager, Rapid Prototype & Manufacturing

Foaming Technology for Blow Molding, Simon Dominey, Vice President, MuCell Extrusion

The Use of Postconsumer Resin for Blow Molded Applications, Pedro Morales, Director of Sales & Marketing, KW Plastics Recycling

Increased Recycled PE Content While Maintaining Quality (Going Green Without the Pain), Chris Ernst, President, Advanced Blending Technologies

Advances in EVOH for Improved Impact Resistance and Retort Compatibility, David Hagen, Ph.D., Technical Service & Development Engineer, Kuraray America Inc.

Plastic Fuel Tank Deformation in the Post Blow Molding Phase: Warpage and Shrinkage Tolerance Issue
Dr. Mohammad Usman, Analytical Product Engineering PowerTrain Installations, Ford Motor Company

Mechanical Properties of Trilayer Foam Blow Molded Containers in Comparison to Solid Wall Containers
Wolfgang Meyer, President, W. Muller USA, Inc.

Foam Extrusion Blow Molding with CFA, Sergey Bobrov, Senior Scientist, POLY-WERK, LLC / id Additives, Inc.

Software to Predict Parison and Sheet Formation in Industrial Extrusion Blow Molding Processes – Automotive Case Studies
Dr. Zohir Benrabah, National Research Council Canada – Automotive and Surface Transportation

Savings with New Technologies in EBM, Eberhard Beck, Design Manager, Hesta Blasformtechnik GmbH

Minimizing the Energy Costs Associated with Drying PET, Peter Stoughton, Owner, Stoughton Drying Services

Composite Tank Manufacturing, Chuck Flammer, VP Sales NA, Kautex Machines, Inc.

Speakers and Topics Cont.

Advances in EVOH for Improved Impact Resistance and Retort Compatibility, David Hagen, Ph.D., Technical Service & Dev. Engineer, Kuraray America, Inc.

Validating FE Simulation for the Stretch Blow Molding Process, Dr. Gary Menary, Queen's University Belfast

Electric vs. Hydraulic Machinery, Bill Bregar, Senior Correspondent, Plastics News

What are the New Frontiers in Modeling and Simulation in Consumer Packaging?, Romil Tanov, Technical Expert, Dassault Systemes

Improving the Drop Impact Performance of EBM Molded Containers—Not for the Faint of Heart!, Sumit Mukherjee, Director of CAE and Simulation, Plastic Technologies, Inc.

Can XCT-CMM Technology Benefit the Blow Molding Industry?, Kevin Legacy, CT Product Manager, ZEISS Group

Industrial and Automotive Manufacturing Design – A Panel Discussion, Erik Skov, Rubbermaid Newell, Eberhard Beck, Hesta Blasformtechnik, Ken Carter, John Deere and other invited panelists.

Charles K. Sewell—"The Legend", John Sewell, CEO, CKS Packaging, Inc.

Comparison between Melting Rate, Temperature Settings and Screw Design on Machine Performance, Jeffrey Myers, President, BARR, Inc.

Production Process Control Utilizing Vision Systems, John Lambert, Sales Manager, INTRAVIS, Inc.

Understanding the Blow Molding Processes: *(The always popular 101's are back!)*

Funds. Of Polyolefin Structure/Property Relationships in Blow Molding Applications
John Sugden, Senior Research Scientist, The Dow Chemical Company

PET Overview, George Rollend, Technical Marketing Manager, DAK Americas

Innovations in Additives and Calcium Carbonates, Jason Riggs, Product Development Manager, Heritage Plastics, Inc.

An Overview of Recip Screw Technology, Dale Maddox, Process Engineer, Milacron

Engineering Thermoplastics, Lew Ferguson, Owner, PARISONS

Overview of Accumulator Heads, Chuck Flammer, Director, Packaging R&D, Kautex Machines, Inc.

Stretch Blow Molding—One Stage, Speaker from Nissei ASB Company

Stretch Blow Molding—Two Stage, Don Miller, VP, Director of Technical Services, Plastic Technologies, Inc.

Shuttle Blow Molding Technology, Joe Slenk, Applications Engineer, Bekum America Corporation

Color 101: How to Communication about Color with Your Team and Your Supplier, Paul Palcko, Color Specialist Coordinator, Technical Coordinator, Riverdale Global

The Latest Advances in Liquid Color and Additive Technology, Paul Maguire, CEO, Riverdale Global

Commercial Viability of Bioplastics, Scott Steele, President, Plastic Technologies, Inc.

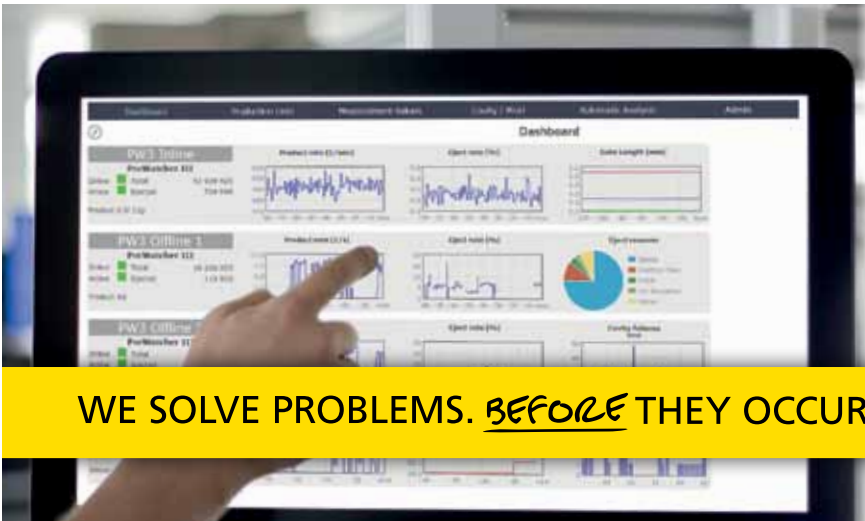
Implementing CaCO₃ Based Additives in EBM Applications), Jason Riggs, Product Development Manager, Heritage Plastics, Inc.

Injection Blow Molding Process and Applications, Ambrogio Invernizzi, Product Manager, Milacron

Overview of Inspection for Complete Lines, Mike Coy, Marketing Manager Pressco Technology Inc.

The ABCs of Asset Management, Scott Kelley, Managing Director, GeoMetric Reliability

Innovations in Additives and Calcium Carbonates, Jason Riggs, Product Development Manager, Heritage Plastics, Inc.



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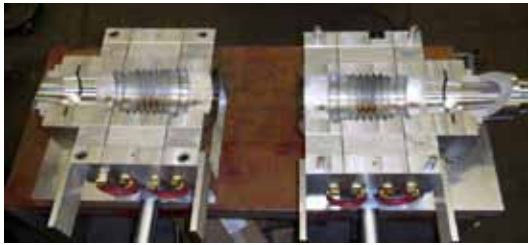


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Innovating, Educating and Sustaining the Future of Blow Molding 32nd Annual Blow Molding Conference

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

MONDAY, October 3, 2016

2.

<p><i>Injection Blow Molding and Accumulator Blow Molding</i> Moderator: Dr. Surendra Agarwal, Creative Group of Industries Session 7</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 Session 8</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 Session 9</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</p>	

TUESDAY, October 4, 2016

<p>7:30 am - 8:30 am</p>	<p>Registration and Continental Breakfast</p>	
<p>8:30 am - 10:30 am</p>	<p>General Session 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>9:45 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</p>	
<p>10:45 am - 12:30 pm</p>	<p>General Session II 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 -</p>	
<p>2:00 pm - 3:30 pm</p>	<p>Session 1A - Electric Vs. Hydraulic: Improving Productivity 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, Design/Construction Manager, 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>		
2:00 pm - 3:00 pm Design Panel Discussion Erik Skov, Newell Rubbermaid, Eberhard Beck, Hesta Blasformtechnik GmbH, Ken Carter, John Deere	3:00 pm - 3:30 pm Charles K. Sewell, “The Legend” - John Sewell, President and CEO, CKS Packaging, Inc.	
MOVE 3:30 pm - 4:00 pm	Refreshment Break - Networking and Exhibits	
Session 2A - Sustainability, Recycling and Energy Reduction <i>Moderator: John Sugden, The Dow Chemical Company</i>		
4:00 pm - 4:30 pm The Use of Postconsumer Resin for Blow Molded Applications - Pedro N. Morales, Director of Sales and Marketing, 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
Session 2B - Foam Technologies and Barriers <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	
7:00 pm - 7:30 pm <i>Lifetime Achievement Honoree, Student Scholarships, Parts Competition Awards</i>		

WEDNESDAY, October 5, 2016

7:00 am - 9:00 am	Continental Breakfast and Exhibits	
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, 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, Senior Scientist, POLY-WERK LLC / iD Additives, Inc.

8:30 am - 10:00 am	Session 3B - Simulation and Modelling Moderator: Brian Spence, Silgan Plastics	
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! -Sumit Mukherjee, Director of CAE and Simulation, Plastic Technologies, Inc.	9:30 am - 10:00 am Validating FE Simulations for the Stretch Blow Molding Process -Dr. Gary Menary, School of Mechanical and Aerospace Engineering, Adv. Materials and Processing, Queen’s University Belfast
10:00 am - 10:30 am	Refreshment Break - Networking and Exhibits	
10:30 am - 12:00 pm	Session 4A - Dynamics of Additive Manufacturing, High Output PET EBM and Modelling Moderator: Henry Vogel, Heise Industries	
10:30 am - 11:00 am EBM Topic to be added - Speaker TBD	11:00 am - 11:30 am Innovations in 3D Printing and Additive Manufacturing -Jim Bednar, Business Development Manager, rp+m (Rapid Prototype & Manufacturing)	11:30 am - 12:00 pm BlowView Software to Predict Parison and Sheet formation in Industrial EBM Processes - Automotive Case Studies -Dr. Zohir Benrahbah, 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 Moderator: John Headrick, Competent Solutions	
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 Solutions 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 LL
12:00 pm - 1:30 pm	Networking Lunch	
1:30 pm	Conference Concludes	



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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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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
301 N. 2nd St
Fairfield, IA 52556
geoff.ward@aipcompany.com
2. Include a letter of support from your company.
3. You will be notified of acceptance before the event that you wish to attend.

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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.
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.

[Continued on next page](#)

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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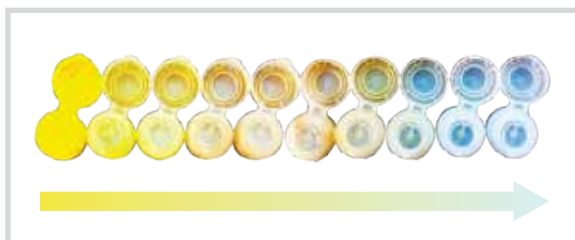
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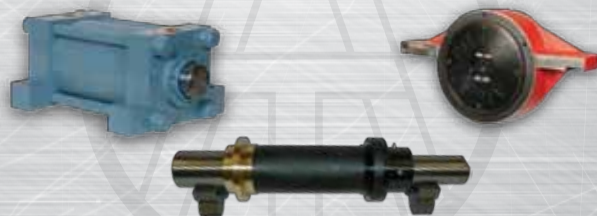
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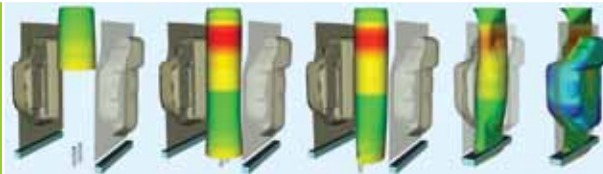
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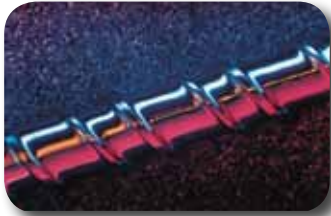
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Division Sponsorship recognized at all Blow Molding Division activities.	✓	✓	✓
3 Division electronic format newsletter ads. Newsletter is placed on division's website (www.blowmoldingdivision.org)	One half-page (8 ½" x 5 ½")	One-half page (8 ½" x 5 ½")	One half-page (8 ½" x 5 ½")
Prominent posting on Sponsor webpage indicating sponsorship level and hyperlinked to your company's website.	✓	✓	✓
Division Education & Training Benefits			
Recognition of sponsor support for Division objectives for student education and assistance and training initiatives	✓	✓	✓
ABC 2016 Conference Benefits			
Recognition as an ABC 2016 Conference Sponsor with prominent signage at event	✓	✓	✓
One tabletop exhibit space in ABC 2016 Conference Exhibits (\$900 value)		✓	✓
Includes full conference registrations to ABC 2016 (valued at \$600 per registration)	4	3	2
Company listed as ABC 2016 Conference Sponsor on webpage with hyperlink to company website.	✓		
Conference Sponsor will select a hospitality option (i.e. breaks, breakfast, luncheon, etc.) and will be provided with "Sponsored by" signage and display table placed at selected hospitality option for duration that option.	✓		
Conference Sponsor will be provided with 5 minute speaking opportunity* at the conclusion of the first General Session on the Day One of the ABC and will receive recognition from the Division chair at the beginning of the General Session. *Talking points to be approved by the conference co-chairs or Division chair.	✓		

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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
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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.

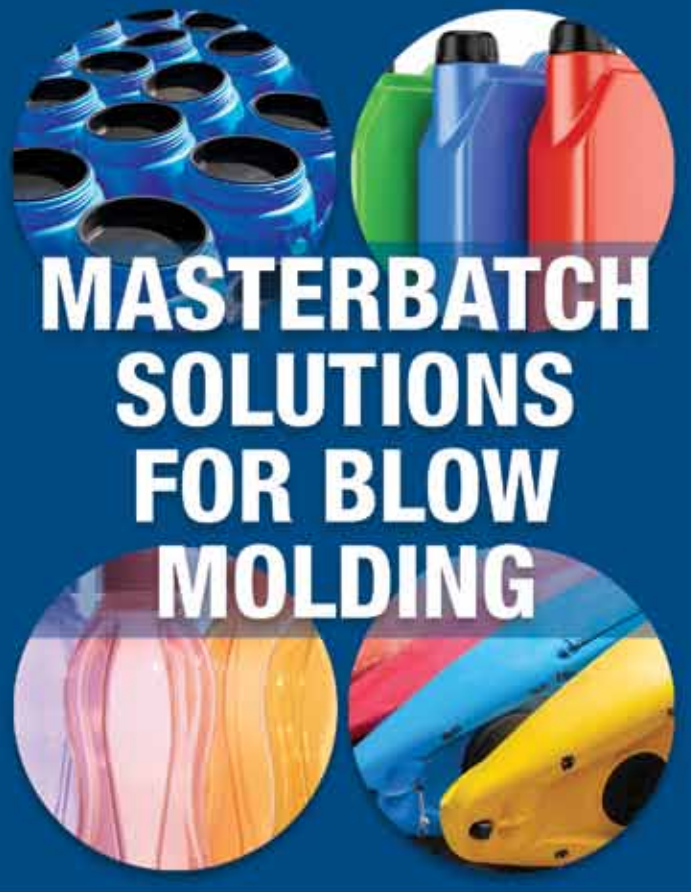
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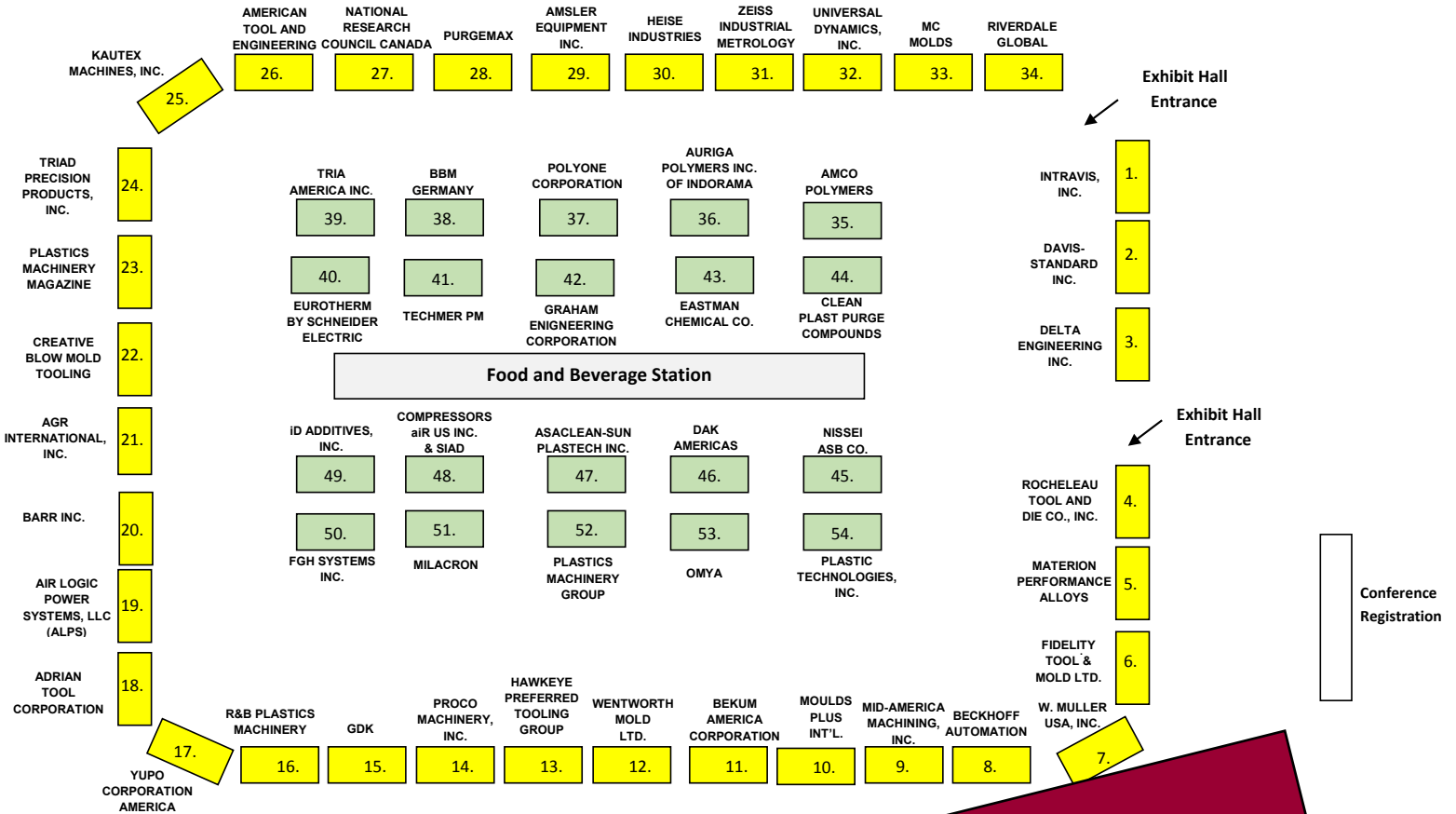
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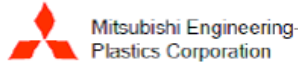


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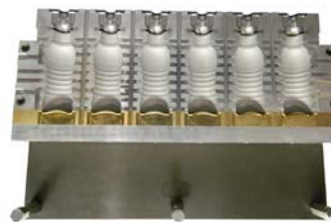
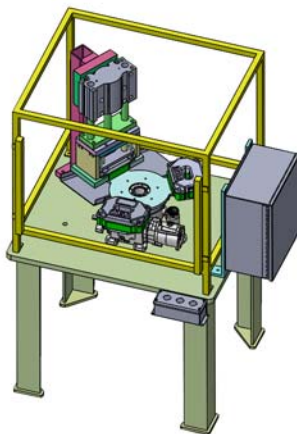


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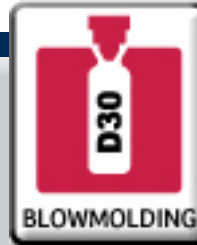
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