

GREETINGS FROM THE CHAIR



Dear Fellow Medical Plastics Division Members:

I would like to welcome everyone to the Fall Edition of the newsletter. I have been on the MPD board for several years and it is a great honor to serve as your Chair this year. I would like to thank Pierre

Moulinie for his service as the Chair for the last two years.

2018 Board of Directors election results were declared and we have elected five board members for three-year term and nominated three board members for one year term appointment. We have a wonderful and a dedicated team of board members that are the backbone of the division. I would like to welcome members from the division to reach out to me if you are interested to volunteer and support any of our committees.

The board has been busy with planning several events for this year which are summarized in this newsletter. I would like to highlight a couple of them which includes the MiniTec Conference in collaboration with the Southern California Section in Anaheim on February 4, 2019; and ANTEC 2019 in Detroit on March 18-21, 2019. We had a great ANTEC 2018 as shown in the newsletter, and would encourage everyone to submit papers for ANTEC 2019 so that we have another stellar meeting with excellent technical programming. Please contact our Technical Programming Chairs to submit papers.

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GREETINGS FROM THE CHAIR

I would also like to highlight an initiative that is being planned by our Education Committee. Webinars are an excellent way to communicate technical information to our members, and the committee is planning to begin a series of webinars for this year. Please reach out to the Education Committee if anyone is interested in presenting a webinar.

Finally, I would like to acknowledge PolyOne and Eastman for their sponsorship of our newsletter. These contributions support our division to put forth excellent technical programs for our members.

Thank you for your membership and look forward to your contributions to make our division stronger.

At your service,
Vipul

Do you have questions about MPD Membership?

Please email Ed Fewkes
fewkesej@corning.com

Are you interested in volunteering for the BOD?

Please email Vipul Davé
VDave1@its.jnj.com

MEET YOUR SPE MPD BOARD OF DIRECTORS

2018-2019 MPD Board Appointments (1-year terms)



Suneel Bandi, Evonik

- Technical Programming & Communications Committees



Victoria Nawaby, Patina Solutions

- Education Committee Co-Chair



Anil Mahapatro, Wichita State University

- Technical Programming & Awards Committees

MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2019



Michael Wallick, Invibio

- Awards Committee Co-Chair



Bhavin Shah, Tepha

- Member

MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2020



Ravishankar Ayyar, Eli Lilly and Company

- Membership co-chair & Awards co-chair



Ed Fewkes, Corning

- Membership co-chair



Ajay Padsalgikar, Abbott

- ANTEC 2019 Technical Program Committee



Louis Somlai, Eli Lilly and Company

- Communications Chair; Newsletter Editor

MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2021



Ali Ashter, Getinge Group

- Vice Chair; Treasurer / Finance Committee



Margie Hanna, Czuba Enterprises

- Member - Finance Committee



Ned LeMaster, DuPont

- Secretary; Technical Program – Webinars



Maureen Reitman, Exponent

- Member – Technical Program Committee & Awards Committee



Amin Sedighiamiri, Eli Lilly & Company

- ANTEC 2019 Technical Program Committee

MEET YOUR SPE MPD BOARD OF DIRECTORS



Vipul Davé, Johnson & Johnson

• Division Chair



Pierre Moulinié, Covestro

• Past Chair



Len Czuba, Czuba Enterprises

• Councilor



Kathy Schacht, SPE

• SPE Liaison

Are you interested in volunteering for the BOD?

Please email Vipul Davé

VDave1@its.jnj.com

MEDICAL PLASTICS DIVISION COMMITTEES

<p>Division Chair Vipul Davé ('19)</p>	<p>Vice-Chair Ali Ashter ('21)</p> <ul style="list-style-type: none"> • Education Committee Oversight • Membership Committee Oversight 	<p>Past Chair Pierre Moulinié</p> <ul style="list-style-type: none"> • Awards Committee Oversight • Assistant Treasurer • Nominating Committee
<p>Technical Committee Director: Vipul Dave ('19)</p> <ul style="list-style-type: none"> • ANTEC '19 co-TPCs : • Ajay Padsalgikar ('20); Amin Sedighiamiri ('21) • Webinars Lead: Ned LeMaster ('21) • Members: Maureen Reitman ('21); Suneel Bandi ('19); Anil Mahapatro ('19) 	<p>Secretary Ned LeMaster ('21)</p>	<p>Councilor Len Czuba ('21)</p>
<p>Education Committee</p> <ul style="list-style-type: none"> • Co-Chair: Pierre Moulinié • Co-Chair: Victoria Nawaby ('19) 	<p>Communications Committee Chair: Louis Somlai ('20)</p> <ul style="list-style-type: none"> • Newsletter: Louis Somlai ('20) • Marketing and Outreach: Suneel Bandi ('19) • Historian: Vacant 	<p>Membership Committee</p> <ul style="list-style-type: none"> • Co-Chair: Ed Fewkes ('20) • Co-Chair: Ravi Ayyar ('20) • Members: Suneel Bandi ('19)
<p>Awards Committee</p> <ul style="list-style-type: none"> • Co-Chair: Michael Wallick ('19) • Co-chair: Ravishankar Ayyar ('20) • Member: Anil Mahapatro ('19) 	<p>Finance Committee Chair: Bhavin Shah ('19)</p> <ul style="list-style-type: none"> • Treasurer: Ali Ashter ('21) • MPD Chair: Vipul Davé ('19) • Ass't Treasurer: Pierre Moulinié • Members: Margie Hanna ('21); Michael Teahan 	

Are you interested in volunteering for the BOD?

Please email Vipul Davé
VDave1@its.jnj.com

2017-2018 Society of Plastics Engineers – Medical Plastics Division Gold Pinnacle Award Winners



Pinnacle Award



The SPE Pinnacle Award recognizes Sections & Divisions that work to create and deliver *member value* in four categories of achievement:

- **Organization:** Maintaining compliance with Section/Division organizational guidelines & policies.
- **Technical Programming:** Providing quality technical programming to members.
- **Membership:** Developing and implementing plans that result in annual membership growth.
- **Communication:** Communicating effectively with members about SPE offerings and events to foster a sense of community and allow members to respond.

Pinnacle – Gold is awarded to Sections and Divisions who, in addition to meeting Silver criteria, demonstrate *superior performance* in the Gold achievement categories

The Pinnacle program was established in 2005 to recognize Sections and Divisions that successfully create and deliver member value during year. Special thanks to Bhavin Shah for coordinating our submission!



Visit the [SPE Chain](#) for updates on the 2019 Pinnacle Award

GREETINGS FROM THE NEWSLETTER EDITOR



Greetings fellow MPD Members!

Welcome to the latest edition of our newsletter! I appreciate your efforts to help me improve this communication tool; again please keep the feedback coming my way: somlai_louis@lilly.com

Inside this edition of the newsletter you will find a few snapshots from our recent combined ANTEC – NPE conference (Thanks Vipul, Len, and Pierre for snapping a few pictures). The conference featured extensive and in-depth technical content and discussion through several morning and afternoon sessions; one of the best technical programs to date. The joint injection molding & medical plastics division injection molding panel discussion: “Part Process” Development and Validation for Multiple Machines was standing room only.

Regarding upcoming events I would like to highlight two: MD&M West and our very own SPE MiniTec (jointly hosted between the MPD and SoCal division). The 2019 MiniTec event will be held in Anaheim on Monday February 4th 2019 (just prior to the MD&M West show starting February 5th; more details to follow in the 4Q2018 newsletter).

We continue to seek firms interested in advertising in our newsletter. Your board has recognized the need to increase fundraising for the division so we have renewed our efforts towards this funding avenue and sponsorship. If you are aware of a firm or organization that would benefit from advertising in our newsletter please let them and me know.

Best regards,

Louis

Newsletter Suggestions? Want to Advertise?

Please email Louis Somlai
somlai_louis@lilly.com

MPD NEWSLETTER SPONSORSHIPS

Sponsors...

We are seeking Sponsor Display Ads for our Award-winning Division Newsletter! To show your support of the Society of Plastics Engineers and in particular, the Medical Plastics Division, please consider taking part in this important communication support effort.

Sizes Available	(Full year amount, i.e. 3 issues)	
	<i>Full page</i>	\$1,250
	<i>Half page</i>	\$750
	<i>Quarter page</i>	\$400
	<i>Eighth page</i>	\$250

LISTED ADVERTISING PRICES REPRESENT A 50% DISCOUNT
IN EFFECT UNTIL DEC 31, 2018
ACT NOW!!!

The newsletter, as scheduled, is prepared and circulated **three times per year** (*plus the occasional 4th or bonus issue*). Every Medical Plastics Division member receives a copy emailed directly to their listed address. Additional copies are also circulated (via the Chain) in our continuing effort to reach new and prospective members and other interested individuals.

To show your support please contact Louis Somlai at 317.209.4719 (email: somlai_louis@lilly.com).

Thank-you for your support!

Want to Advertise?
Please email Louis Somlai
somlai_louis@lilly.com



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Eastman.com/medical

The advertisement features a background image of several medical syringes. One syringe in the foreground is blue and labeled 'NuGen™'. The syringes are arranged in a shallow depth of field, with the background ones being out of focus. The overall design is clean and professional, with a blue and white color scheme.



Council Meeting Summary – ANTEC 2018

SPE Council Meetings were held on Sunday, May 6, 2018 in Orlando Florida. These meetings were the unofficial kickoff for ANTEC 2018. In attendance on behalf of the Medical Plastics Division were Margie Hanna (Councilor for European Medical Polymers Division), and Ned LeMaster (Proxy for Len Czuba Councilor for MPD).

The meetings were broken into two sessions, Council I and Council II, which took place in the morning and afternoon respectively.

VP Brian Landes covered the Pinnacle Awards during the Council I session, where the Medical Plastics Division was recognized for earning the Pinnacle Gold Award. In addition, MPD's Louis Somlai was recognized for winning the Communication Award at this time. A financial review was also held during this session, where VP Jeremy Dworshak outlined a budget that reflected a small loss for the year for SPE.

During Council II, Councilor Margie Hanna nominated Mridula (Babli) Kapur as Council Committee of the Whole (CCOW) Chair, and the nomination was upheld with a vote to elect Babli Kapur as Chair. Also during this session, Chief Staff Executive (CSE) Pat Farrey explained a new variable chapter dues process for membership. However, this was eventually overturned by the Councilors primarily due to concern that it would lead to a decrease in section membership. CSE Farrey also reviewed his top 4 priorities for SPE as the following: Technology, ANTEC, Staffing, and Profitability.

More information such as the presentations, data, and proceedings for both can be found on the Chain under Leadership Lane (Note: you must be logged in to access). Charleston, SC will be the home of the next Council Meetings on September 21st – 22nd of this calendar year.

COUNCILOR'S REPORT



Medical Plastics Division Councilor 3Q2018 Report

SPE activities have been slow this summer but we as Council, are planning to meet at the end of September. You well know that the planning for the early (March) ANTEC in Detroit is well underway. Deadlines, for session presentations, award nominations and committee meetings are approaching 2 months sooner than in a normally scheduled ANTEC year. Boards and all division members are asked to move early and quickly on any activity planned for ANTEC 2019.

The other item of note is that we are moving forward with our 2nd annual MiniTec in Anaheim with the Southern California Section on Monday, February 4th, before the MD&M West show opens that Tuesday. We will again plan the event in the same general area of the Anaheim Convention Center so make your plans early. And if you or your colleagues would like to participate as a speaker, we ae accepting paper submissions for committee review. We hope to have the program with up to 14 speakers finalized by the MDM Minneapolis on Halloween.

Finally, the Medical Plastics Division has an active and vital board of directors that is working to meet the needs of our division members. We welcome feedback and suggestions on how we as your board can better meet the needs of you, your colleagues and your company. Please let us know. I welcome your questions or comments.

Len Czuba

Medical Plastics Division (D-36) Councilor

Do you have questions about MPD Membership?

Please email Ed Fewkes
fewkesej@corning.com

TREASURER'S REPORT



TREASURER'S REPORT – Ali Ashter Last Updated September 14, 2018

Balance as of July 26, 2018

\$ 21,293.17

INCOME

Income Type	Amount
Newsletter sponsorship - PolyOne	\$ 500.00
TOTAL INCOME	\$ 500.00

EXPENSE

Expense Type	Amount
ANTEC Expense payment to Ravi A. (Check # 126)	\$ 905.78
TOTAL EXPENSE	\$ 905.78

FUNDS AVAILABLE AS OF September 14, 2018

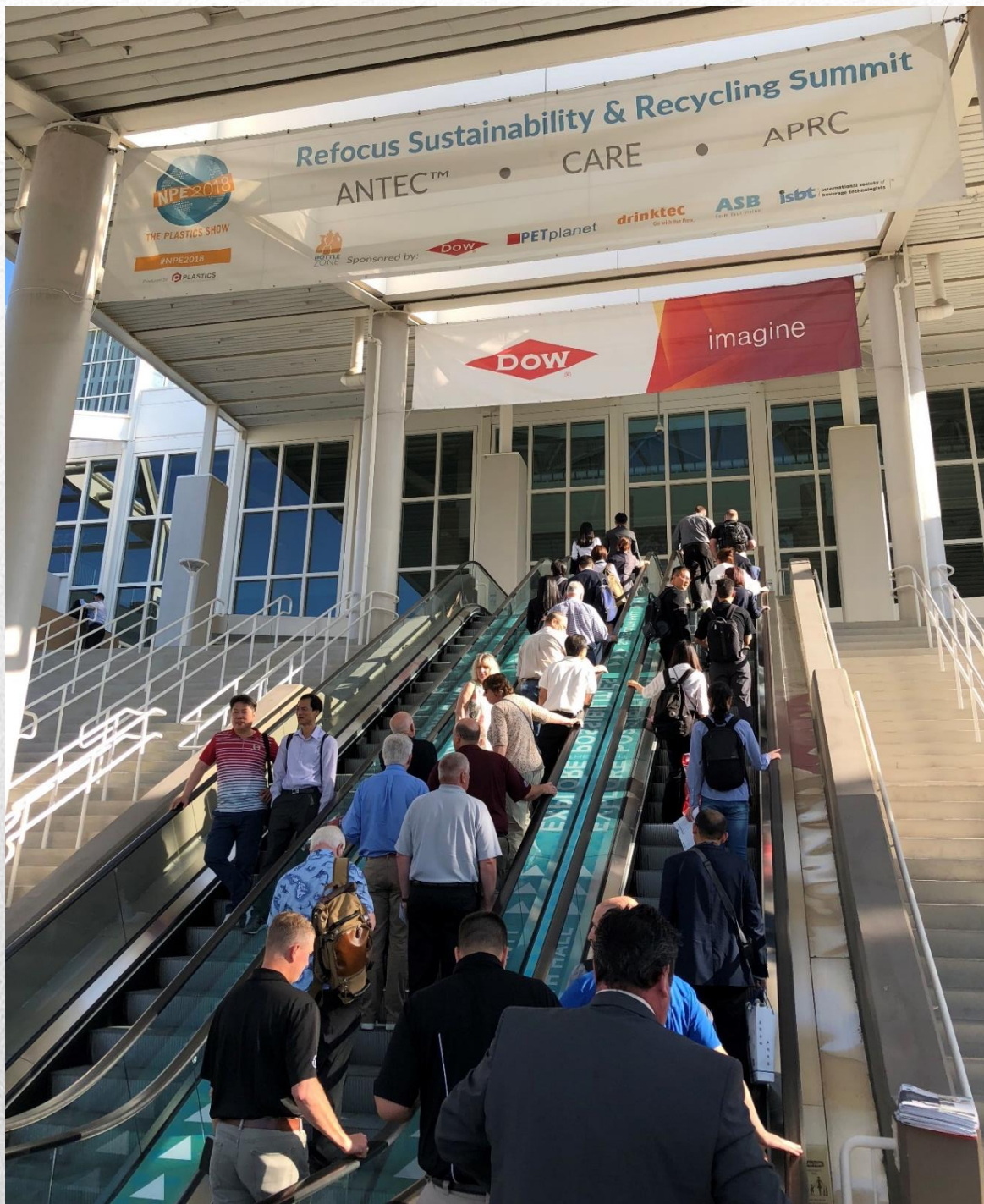
\$ 20,887.39

Do you have questions about the Treasurer Report?

Please email Ali Ashter
ashter2000@gmail.com

ANTEC 2018

Check out what you missed...



ANTEC 2018 - The Plastics Conference: The SPE Annual Technical Conference was held in Orlando, FL May 6th-10th 2018 (jointly with NPE 2018). ANTEC had over 1,300 attendees and ~130 vendors.

Check out what you missed...



SPE Gold Pinnacle Award 2018:

The MPD was awarded at SPE Gold Pinnacle Award for 2018. Represented left → right: Margie Hanna, Maureen Reitman, Ravishankar Ayyar, Vipul Davé, Brian Grady, Amin Sedighiamiri, and Louis Somlai

Check out what you missed...



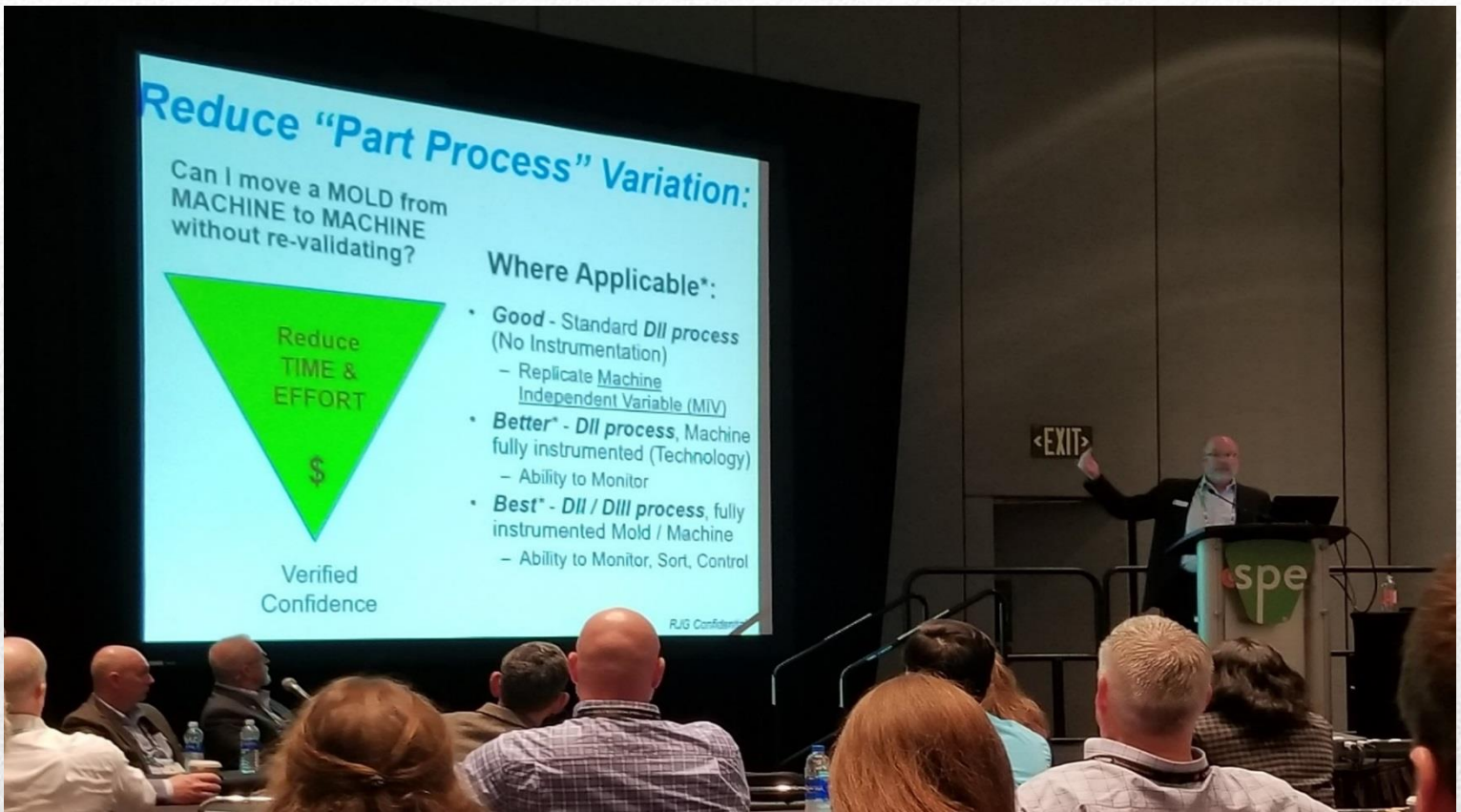
SPE MPD Morning Technical Session: Steve Maxson (Fermatex) giving a presentation “Design Variables That Influence Mechanical Properties of Braid Reinforced Plastics”

Check out what you missed...



Catching up with friends and making new friends (L→R): Sarah Clark, Amin Sedighiamiri, Vipul Davé, Ravi Ayyer, and Louis Somlai

Check out what you missed...



Panel Discussion: "Part Process" Development and Validation for Multiple Machines

Check out what you missed...



Panel Discussion: “Part Process” Development and Validation for for Multiple Machines

Panel Discussion Members (left → right): Maureen Reitman (moderator), Ed Valley (Nypro/Jabil), Rod Brown (Lilly), Sue Tucker (Johnson & Johnson), Scott Scully (Terumo), Matt Therrien (RJG Inc), and Paul Robinson (ASCS).

Check out what you missed...



SPE MPD Afternoon Technical Session: Keynote Speaker Sarah Clark (Eli Lilly & Company) giving a presentation on “Opportunities and Obstacles for Plastic Primary Packaging in Drug Delivery Devices”

Check out what you missed...



SPE BOD Business Meeting & Dinner: To start the meeting off Pierre Moulinié (left) officially hands-off the chair role to Vipul Davé (right) and assumes the role of past chair. Thanks for your leadership and service Pierre!

Check out what you missed...



**SPE BOD Business Meeting & Dinner (L→R):
Vipul Davé, Maureen Reitmann, and Margie Hanna**

Check out what you missed...



**SPE BOD Business Meeting & Dinner (L→R):
Amin Sedighiamiri, Sarah Clark (guest), and Pierre Moulinié**

Check out what you missed...



**SPE BOD Business Meeting & Dinner (L→R):
Ajay Padsalgikar, Ian Pierson (guest), Ravishankar Ayyer, and
Louis Somlai**

Check out what you missed...



**SPE BOD Business Meeting & Dinner (L→R):
Ajay Padsalgikar and Len Czuba**

UPCOMING EVENTS

Meaningful Conferences & News from our industry to you



Ascending to the Peak of Medtech Innovation

— OCTOBER 11-12 • OMNI INTERLOCKEN RESORT • COLORADO —

[HOME](#) [ATTENDEE REGISTRATION](#) [CONFERENCE AGENDA](#) [SPEAKERS](#) [VENUE & HOTEL](#) [SPONSORSHIP PACKAGES](#) [PAST CONFERENCES](#) [GET UPDATES](#)

Focusing on the world of outsourcing for medical device manufacturing coupled with a keen awareness of innovation in the space, Medical Product Outsourcing's conference series—the MPO Summit—has provided the medtech industry with the most comprehensive programs for more than 10 years. These highly informative symposiums address critical issues impacting multiple stakeholders within the industry. In 2018, the MPO Summit arrives in Colorado—home to the sixth largest medical device sector according to the Colorado Office of Economic Development and International Trade. Graciously hosted by the Omni Interlocken Resort, this year's Summit will simultaneously highlight the appeal of the region for medtech while tackling a number of the most significant issues for today's medical device companies.

Against the backdrop of such an impressive location, this interactive networking and educational event will partner local experts with out-of-state industry thought leaders—OEMs, contract manufacturers, suppliers, consultants, members of the investment community, and academia—for a unique forum to discuss critical industry topics and offer tools to compete and grow in today's challenging business climate.

UPCOMING EVENTS

MPO Summit 2018 Guest SME Panel



‘Part Process’ Development and Validation for Multiple Machines

A group of medical device original equipment manufacturers (OEMs) set out to discover a more efficient part process development and validation process for injection molding that can be transferable. They executed a real-world “proof of concept” event and formally documented their results. Traditionally, a part must be re-validated every time the mold is going to run in a different machine, especially in high-precision applications that are found in medical devices. This costs millions of dollars a year and sometimes leads to weeks or months of machine downtime, leading to lost revenue for both the OEM and molder. By creating a “Part Process,” molders are able to replicate transferable plastic conditions that eliminate the need to 100 percent re-validate the tool every time it is moved to a new machine. Using a reduced PQ verification run, molders can save millions and reduce risk based on the confirmation of repeatable statistical results. In preparation, [click here](#) to learn more by reading the MPO article and downloading the white paper at the end.

UPCOMING EVENTS

MPO Summit 2018 Guest SME Panel



Matt Therrien
*Business
Development
Manager – Medical,
RJG Inc.*

Matt Therrien is the Northeast Regional Manager for RJG, Inc. with 28 years of experience focusing on promoting Customer success. Strategies include a strong consultative approach, with an emphasis on driving results and developing innovative solutions to a broad range of customer concerns, as well as client education. He has completed the RJG Master Molder Certification Program. He is a BSME graduate of the University of Massachusetts, Amherst and his experience is drawn from technical and commercial management positions at the global companies Nypro, Husky Injection Molding Systems, MoldMasters, Inc., and UPG/MedPlast – where he has implemented successful business models across all market segments, the last 15 years focused on medical device/assembly manufacturing. †



Paul Robinson
*Lead Regulatory
Advisor, QSCS*

I am an accomplished Quality Executive with over twenty-five years of domestic and international experience. My career has been built on a solid foundation in quality, engineering, and manufacturing through progressive positions focuses on Quality Systems, Design Assurance, and Operational Excellence with companies such as Covidien, Boston Scientific, and BARD. I am a recognized QA/RA leader, having maintained over twenty manufacturing plants worldwide that produced various products including plastics, electronics, pharmaceuticals, biologics, and woven/non-woven materials. As an Operational Excellence head, I conceived and launched an organization-wide effort that realized over \$260MM in three years.



Ed Valley
*Sr. Engineering
Manager - Tooling,
Nypro, a Jabil
Company*

Senior Plastics Professional with 20+ years of experience in several areas including Operations, Engineering, and Program Management. Proven Technical Leader of Tooling, Process, and Project Engineering teams within the Healthcare, Consumer, and Automotive industries. Skilled in Scientific Injection Molding, Design for Manufacturing (DFM), Tool Design, Project Management, New Product Introduction (NPI), LSS Principles, and Validation of Automation and Plastic Injection Molds. Obtained Certifications in Program Management, Design of Experiments (DOE), Master Molder I, and Master Molder II.

UPCOMING EVENTS

MPO Summit 2018 Guest SME Panel



Rod Brown
*Senior Injection
Molding Steward, Eli
Lilly & Company*

Rodney A. Brown (Eli Lilly) provides expertise in Plastic Injection Molding, mentoring numerous individuals and development of engineering best practices. Before joining Lilly, he worked as a Project Manager for automotive components at Guide Corporation. He joined Lilly as a Consultant Engineer in 2006 bringing over 20 years of injection molding experience. He has been a key technical contributor to numerous delivery system projects critical to Lilly's future. The outcome of some of the projects has brought significant return to Lilly's injection-device-enabled business. Rod is also a recognized expert in plastic injection design and has worked with Lilly partners to ensure robust long-term supply of device components. His work not only improved existing products, but helped shape the next generation of Lilly devices.



Greg Lusardi
*Worldwide Leader
Molding, Becton
Dickinson*

I have spent nearly thirty years in various roles in the injection molding industry with the past twenty plus years at BD. I currently hold the position of Worldwide Molding Leader responsible for best practice implementation and Operational Excellence in over 50 manufacturing sites globally. Throughout my career I have held roles that include a focus in processing, tooling, hot runner technology, R&D, validation, new product development and vendor and operations management. I have worked in various industries to include medical device, consumer goods, electronics, industrial and automotive. I have completed the RJG Master Molder I and II certification courses.



Brad Smith
*Principal Plastics
Engineer, Johnson &
Johnson Supplier
Excellence*

I am a Principal Plastics Engineer currently working for Johnson & Johnson in the Supplier Excellence organization. I support all three J&J Sectors – Pharm, Consumer and Medical Devices. I am Black Belt Certified by J&J. My role is to enable our external Plastics Suppliers to be more efficient, more cost effective and improve the quality level in the manufacturing of J&J products. I am a graduate of the University of Lowell, BS and MS in Plastics Engineering. I have been working in the Plastics industry for 3 decades. My career has included working in the Aerospace, Automotive, Consumer and Medical fields – all advancing plastics.

MPO Summit 2018 Guest SME Panel



Scott Scully
*Director, Corporate
Molding/Tooling
Terumo
Cardiovascular*

Scott is a plastics veteran of 39 years, working the last 17 years at Terumo Cardiovascular Systems. A Master Molder II, Six Sigma Green Belt, with World Class Manufacturing and Project Management certifications. He was an apprentice, journeyman, mold designer, business owner, Medical Molding Engineering Chief, Business Unit Manager, and now a Corporate Director with Terumo. A solid foundation in Project Management, Tooling, Processing, Six Sigma, and Lean Manufacturing through progressive positions, proper training and being a constant seeker of new information. Focuses on using new technologies to improve quality, throughput, and cost. Project management at a dozen sites at any given time both domestically and internationally. Conceived and launched project initiatives that have saved the company over 2.5 million per annum. Created a validation/ troubleshooting team to assist suppliers in educating and developing validation procedures that are compliant and cost-effective.



Maureen Reitman
*Corporate Vice
President, Exponent*

Dr. Maureen Reitman is a Principal Engineer and the Director of Polymer Science and Materials Chemistry at Exponent, a leading scientific and engineering consulting firm. She works across the supply chain to help bring new products to market, support continuous improvement, address risk, understand service life and facilitate innovation in many industries. Dr. Reitman has served SPE through her involvement in Medical Plastics Division, Failure Analysis and Prevention SIG and the New Technology Forum.

UPCOMING EVENTS



MEDICAL PLASTICS MINITEC

Anaheim, California • February 4, 2019
Presented by SPE Medical Plastics Division and
SPE Southern California Section



A LOOK TO THE FUTURE OF MEDICAL DEVICE MATERIALS & PROCESSING

Speaker requirements:

- Submit final title & abstract by **September 26th**
- Submit high resolution color headshot & biography of 150 word maximum by **October 31st**
- Submit Powerpoint presentation on program by **January 4th**
- Participate in the program on **February 4th** in Anaheim
- Give us permission to distribute pdf version of your presentation to attendees (will be assumed if you submit)

**Deadline has passed.
Speaker submissions
no longer accepted**

After all interested speakers submit their abstracts, the committee will review and prepare the program with the morning session to focus on Future Polymer Materials Technology and the afternoon session to focus on Design & Advanced Processing Technology. Submitters will be notified of decision once made.

This MiniTec will be held Monday, February 4th, the day before the opening of the 2019 MD&M West Expo & Conference in the shadow of the Anaheim Convention Center. This conference is expected to host at least 100 conference attendees and will feature up to 20 tabletop exhibitors.

Please submit your proposed title and abstract to:

[Ned LeMaster, MiniTec Conference TPC Chairman](mailto:ned.e.lemaster@dupont.com)
ned.e.lemaster@dupont.com | 608.402.3268

Contact conference Co-Chair Len Czuba for other info:
lczuba@czubaenterprises.com | 630.627.9242

More information:
4spe.org/MedPlasticMiniTec

UPCOMING EVENTS



ANTEC® 2019
Detroit, MI • March 18-21, 2019



CALL FOR PAPERS

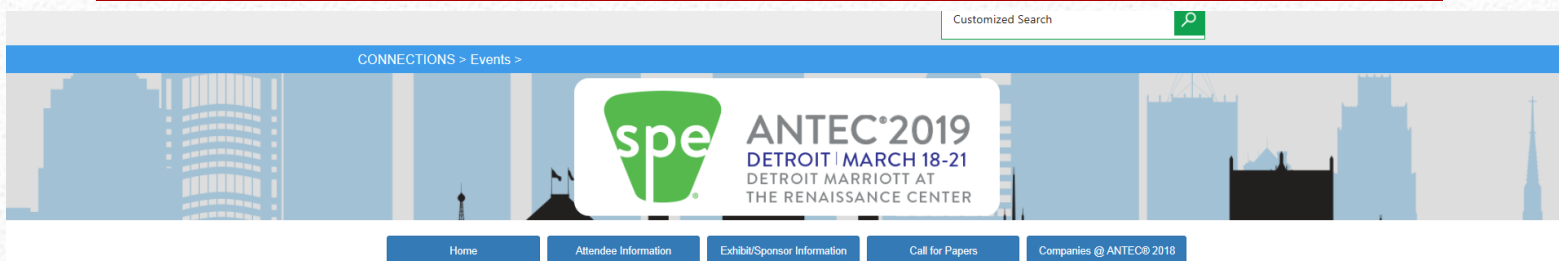
ANTEC® is the largest international technical meeting of individuals representing industry, government and academia, providing a broad perspective on the science, engineering and business of plastics.

YOU ARE INVITED TO SUBMIT A PAPER FOR PUBLICATION & PRESENTATION

- Podium and poster presentations showcasing the latest in industrial, national laboratory and academic work
- Share your findings in polymer research or new and improved products and technologies

TOPICS WILL INCLUDE

- Additive Manufacturing/3D Printing
- Automotive
- Bioplastics
- Blow Molding
- Building and Infrastructure
- Color & Appearance
- Composites
- Decorating and Assembly / Joining
- Electrical & Electronic
- Engineering Properties & Structures
- Extrusion
- Failure Analysis
- Flexible Packaging
- Foams
- Injection Molding
- Medical Plastics
- Mold Technology
- Plastic Analysis
- Sustainability
- Plastic Pipe and Fittings
- Plastics Recycling
- Polymer Analysis
- Polymer Modifiers & Additives
- Product Design & Development
- Rheology
- Rotational Molding
- Thermoforming
- Thermoplastics Materials
- Thermosets
- Vinyl Plastics



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Who Should Attend?

Engineers, R&D Scientists, Technicians, Technical Sales & Support, Academics, Students, Managers, along with any plastics professional that could benefit from networking and learning about the latest innovations and how it relates to their work or company.

ANTEC® 2019

DETROIT | MARCH 18-21
DETROIT MARRIOTT AT
THE RENAISSANCE CENTER



Medical Plastics Division

ANTEC® 2019 CALL FOR PAPERS

Submission Deadline: October 19, 2018

Type of Papers/Presentations:

- Technical (4 to 6-page written paper)
- Commercial presentation with high technical content is allowed, the presentation has to be reviewed before acceptance

Topics of Interest Include:

- Novel Materials/Chemistries
- High Performance Materials/Composites
- Implantable Materials
- Absorbable Materials
- Drug Delivery Devices
- Medical Devices for Different Applications
- Additive Manufacturing
- Micro-molding
- Medical Textiles and Woven Structures
- Surface Modifications, Coatings and Additives
- Diagnostics Devices and Methods
- Modeling and Characterization Methods
- Bio-Derived Materials