GREETINGS FROM THE CHAIR

Dear Fellow MPD Members:

We have a few items coming up I wanted to draw your attention to:
First, balloting is open for our Division Councilor and if you did not receive a link to vote, you can reach out to me or anyone else on our Board to help make sure your voice gets heard! The Councilor is a vital link between the Divisions and SPE. Be sure and vote!

We will be soon organizing the MPD Board of Directors ballot for 2018 with terms until 2021. A number of you have already indicated being interested in running in this years’ ballot. If you are interested in helping out with the Divisions’ organization, be sure to let me know! The Divisions’ technical programming solely depends on the hard work of volunteer members and board members. Very high on the plus side, however, joining the MPD Board offers great opportunities to network and even make new friends!

Most exciting to share is the MPD technical program for ANTEC 2018 in Orlando. It promises to be our best conference yet! As you will see, our co-TPCs Amin Sedighiamiri and Ajay Padsalgikar have put together

Inside This Edition…

SPE MPD BOD & Committees 3
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SPE Anaheim MiniTec 22
Upcoming Events 26
Treasurer Report 37
a superb lineup of papers and also organized a Panel Discussion experts offering their insights on Plastics Medical Device Component Manufacturing (see page 26). Join me in thanking Amin and Ajay in putting this together in what has been challenging circumstances as ANTEC teams up with NPE in Orlando. Thanks guys!

Our Division also teamed up with the Southern California Section to offer a MiniTec conference while many of us were already in Anaheim for MD&M West 2018. MPD and SoCAL organizers felt strongly about organizing a similar event for MD&M West 2019 and so look for more news as our Division helps put this together.

Finally, we gratefully acknowledge PolyOne, our newsletters’ very first advertiser! We expect more to join soon – but we thank PolyOne for what will ultimately be a boost to the technical programming MPD can bring its members.

Thanks for reading

-Pierre.

Do you have questions about MPD Membership?
Please email Ed Fewkes
fewkesej@corning.com

Are you interested in volunteering for the BOD?
Please email Pierre Moulinié
pierre.moulinie@covestro.com
MEET YOUR SPE MPD BOARD OF DIRECTORS

2017-2018 MPD Board Appointments (1-year terms)

Ned LeMaster, Teel Plastics
• Technical Program – Webinars Lead

Victoria Nawaby, Sealed Air
• Education Co-Chair

Amin Sedighiamiri, Eli Lilly & Company
• ANTEC 2018 Technical Program Committee

Nitin Sood, Getinge Group
• Communications Committee Chair

Harrison Yu, Bondable Biopolymers
• Communications Committee – Interdivision Lead
MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2018

Ali Ashter, Getinge Group
- Treasurer / Finance Committee/ Technical Program Committee

Len Czuba, Czuba Enterprises
- Councilor

Margie Hanna, Czuba Enterprises
- Finance Committee Chair

Bob Herman, Quality Insights
- Education Committee Co-chair

Maureen Reitman, Exponent
- Member – Technical Program Committee & Awards Committee
MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2019

Vipul Davé, Johnson & Johnson
• Technical Program Committee Chair

Ben Poon, Baxter Healthcare
• Secretary

Michael Wallick, Invibio
• Awards Committee Co-Chair

Bhavin Shah, Tepha
• Vice-Chair
MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2020

Ravishankar Ayyar, Eli Lilly and Company
• Awards co-chair

Ed Fewkes, Corning
• Membership co-chair

David Jaekel, Exponent
• Membership co-chair

Ajay Padsalgikar, Abbott
• ANTEC 2018 Technical Program Committee

Louis Somlai, Eli Lilly and Company
• Communications – Newsletter Editor
MEET YOUR SPE MPD BOARD OF DIRECTORS

Pierre Moulinié, Covestro
- Division Chair

Norris Tollefson, Alcon
- Past Chair

Kathy Schacht, SPE
- SPE Liaison

Do you have questions about MPD Membership?
Please email Ed Fewkes
fewkesej@corning.com

Are you interested in volunteering for the BOD?
Please email Pierre Moulinié
pierre.moulinie@covestro.com
**MEDICAL PLASTICS DIVISION COMMITTEES**

<table>
<thead>
<tr>
<th>Division Chair</th>
<th>Vice-Chair</th>
<th>Past Chair</th>
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<tbody>
<tr>
<td>Pierre Moulinié</td>
<td>Bhavin Shah ('19)</td>
<td>Norris Tollefson</td>
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<tr>
<th>Technical Program Committee</th>
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<tr>
<td><strong>Chair:</strong> Vipul Dave ('19)</td>
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<td>ANTEC '18 co-TPCs:</td>
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<tr>
<td>Ajay Padsalgikar ('20); Amin Sedighiamiri</td>
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<td>Webinars Lead: Ned LeMaster</td>
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<td>Member: Maureen Reitman ('18)</td>
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<tr>
<th>Secretary</th>
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<td>Ben Poon ('19)</td>
<td>Len Czuba ('18)</td>
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<th>Education Committee</th>
<th>Communications Committee</th>
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<tr>
<td><strong>Chair:</strong> Bob Herman ('18)</td>
<td><strong>Chair:</strong> Nitin Sood</td>
<td><strong>Co-Chair:</strong> Ed Fewkes ('19)</td>
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<td><strong>Co-Chair:</strong> Victoria Nawaby</td>
<td>Newsletter: Louis Somlai ('20)</td>
<td><strong>Co-Chair:</strong> David Jaekel ('20)</td>
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<td></td>
<td>Inter-division collaborations: Harrison Yu</td>
<td>**Member: Ben Poon ('19)</td>
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<td>• Photos: Vacant</td>
<td><strong>Member:</strong> Vacant</td>
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<th>Awards Committee</th>
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<tr>
<td><strong>Co-Chair:</strong> Michael Wallick ('19)</td>
<td><strong>Chair:</strong> Margie Hanna ('18)</td>
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<tr>
<td><strong>Co-Chair:</strong> Ravishankar Ayyar ('20)</td>
<td>Treasurer: Ali Ashter ('18)</td>
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<tr>
<td><strong>Member:</strong> Vacant</td>
<td><strong>MPD Chair:</strong> Pierre Moulinié</td>
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<tr>
<td><strong>Member:</strong> Vacant</td>
<td><strong>Ass't Treasurer (Past MPD Chair):</strong></td>
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<td><strong>Member:</strong> Vacant</td>
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**Are you interested in volunteering for the BOD?**

Please email Pierre Moulinié  
pierre.moulinie@covestro.com
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!
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 recent medical plastics technical meetings and conferences such as MD&M West and the SPE Anaheim MiniTec (sponsored by the Southern California local section; programming arranged by Len Czuba and the MPD). I would also like to call to your attention a special joint session between the Injection Molding Division and Medical Plastics Division to be held at this year’s SPE ANTEC in Orlando, FL (see page 27-30)

I am also very excited to announce our first external support for the MPD and newsletter. Please see the advertisement by PolyOne Corporation on page 12!

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


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)

Full page $1,250
Half page $750
Quarter page $400
Eighth page $250

LISTED ADVERTISING PRICES REPRESENT A 50% DISCOUNT IN EFFECT UNTIL ANTEC 2018

ACT NOW!!!

The newsletter, as scheduled, is prepared and circulated three times per year (plus the occasional 4\textsuperscript{th} 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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Dear SPE Friends,

The SPE election season is upon us. At the council level, we are in the process of electing a new group of vice presidents for the Executive Board as well as the officers who will step into senior leadership roles for the next SPE year that starts at ANTEC 2018. An email was sent to all SPE members on or about 12 Feb18. But if you missed that email, the relevant info is below.

Executive Board
The nominating committee has presented the following candidates:

For President elect: Brian Landes
http://leaders.4spe.org/spe/2018ebnominees/BrianLandesInfo.html

For Vice President of Divisions: Jason Lyons and Scott Steele
http://leaders.4spe.org/spe/2018ebnominees/JasonLyonsInfo.html
http://leaders.4spe.org/spe/2018ebnominees/ScottSteeleInfo.html

For Vice President of Sections: Scott Eastman & Monika Verheij
http://leaders.4spe.org/spe/2018ebnominees/ScottEastmanInfo.html
http://leaders.4spe.org/spe/2018ebnominees/MonicaVerheijInfo.html

For Vice President of Technology & Education: Raj Krishnaswamy & Ray Pearson
http://leaders.4spe.org/spe/2018ebnominees/RajKrishnaswamyInfo.html
http://leaders.4spe.org/spe/2018ebnominees/RaymondPearsonInfo.html
You are welcome and encouraged to review these candidates’ credentials and view their short video explaining their background and then provide me with your input on whom you suggest I vote for on your behalf. I encourage and will readily take your input!

Division Councilor
There will also be an election for our division, the Medical Plastics Division Councilor for the next 3-year term. As your current councilor, I am finishing my first 3-year term and need to be either elected or replaced with another interested member who would like this position. Please be on the look-out for the election ballot and by all means, cast your ballot for the person you believe should hold this role for the next 3 years.

Division Board Members
This are also soon-to-be-held elections for new board members for MPD. I don’t know the status of this annual election but I know that the board is making the necessary arrangements to hold this election in short order. Please exercise your right to vote for your choice of new board members.

Finally, MPD Board Officers
Although the officers of the division are elected by the active board members, it is important for all of you to send your opinions to the board which would be read as correspondence at our board meetings. This would help the board to select the candidate that you as our division membership feels is the best for the job. Please keep alert for details of this election in the few short months before ANTEC in Orlando.
Other news
ANTEC planning is in full swing and will host around 600 technical presentations over the new 4 day format. As you know, ANTEC will be held the same week as NPE in Orlando and our program will be concurrently offered while NPE is going on at the convention center. Our conference has been given a fewer number of conference rooms for our technical session presentations forcing us to expand our program to include Thursday this year to accommodate all the requested sessions. Please make your plans to attend ANTEC as well as NPE this year. There is a great program planned with many extra activities that help make it even more fun!

We specifically request that all MPD board members attend ANTEC and all our division board meetings and activities. There is much planned and I am assured that we’ll have fun as well as make the time rewarding both for your technical career and role as a leader in SPE.

I welcome all feedback. Give me a call or send a note. Thanks in advance!

Best regards,
Len Czuba
Medical Plastics Division Councilor
Distinguished, Honored Service Fellow of SPE
MD&M West connects you with thousands of advanced design and manufacturing professionals for three days of industry immersion. Source from the world's largest collection of medtech suppliers. Connect with over 20,000 engineers and executives who are ready to forge business partnerships. Learn from industry luminaries presenting their insights.
Panel: Criteria for Choosing the Right Material for Your Device
Moderator: Len Czuba (President, Czuba Enterprises)
Panelists: James Semler PhD (Technology Manager, Research & Development, BD Medical); Ajay Padsalgikar PhD (Sr. Principal Scientist, Materials Technology, Abbott); Steve Jepson (Senior Engineer, Baxter); Vipul Davé (Research Director & Fellow, Global OTC Technology, Johnson & Johnson)
MD&M West 2018

Check out what you missed...

MD&M West is your chance to find answers to your current Medtech challenges — from prototyping to full-scale manufacturing — while keeping up with the latest innovations reshaping the industry such as advanced robotics solutions.
Presentation: What’s New in Medical Materials?
Presented by: Vipul Davé (Research Director & Fellow, Global OTC Technology, Johnson & Johnson)
MD&M West was held in Anaheim, CA and afforded attendees a nice warm weather break and a variety of culinary delights in the form of local food trucks!
SPE MPD BOD - MiniTec Impromptu Dinner

*Back Row from Left to Right:* Pierre Moulinie, Steve Schick, Ned LeMaster, Tom Thompson, George Gorman

*From Row from Left to Right:* Vipul Davé, Len Czuba, Margie Hanna, Christian Herrild
Check out what you missed…

Ajay Padsalgikar and Suhas Kulkarni welcoming attendees
MORNING SESSION: NEW MATERIALS
“Materials for Medical Applications” presented by Vipul Davé, Johnson & Johnson
“A Uniform and Unbiased Method for Testing the Chemical Resistance of Plastics in Medical Luer Connectors” presented by Isaac Platte, Covestro
“Product Design Differences Between Plastic and LSR” presented by Rick Finnie, M.R. Mold & Engineering
“Stability of Polyurethanes in Cardiac Applications” presented by Ajay Padsalgikar, Abbott (SJM)
“Anti-counterfeiting Features in Medical Devices” presented by Christian Herrild, Teel Plastics
“Assessing Potential Health Risks of Polymers Used in Wearable Devices” presented by “Chip” Kurt Breitenkamp, Exponent

AFTERNOON SESSION: NEW PROCESSING TECHNOLOGIES
“Precision Compounding via Twin Screw Extruders for Medical Products” presented by Charlie Martin, Leistritz
“Increasing Efficiency in Design and Validation of Plastic Parts Using CT Scanning” presented by Melissa Butrie, 3D Proscan
“Process Monitoring and Control Systems as Basic Building Blocks for the 4th Industrial Revolution” presented by Marcel Fenner, Priamus
“Proven Methods to Reduced Process Development, Inspection & In-Process Inspection Times for Injection Molding of Medical Device Components” presented by Suhas Kulkarni, Fimmtech
“A New Injection Moldable, Medical Grade HMWPE for Implant Applications” presented by Steve Kurtz, Exponent
“3D Printed Prototype Parts out of Production Material” presented by Kai Wender, Arburg
The SPE MiniTec was held the day after MD&M West. The event was hosted by the Southern California local section with programming arranged by Len Czuba and the MPD.
Presentation: Anti-counterfeiting Features in Medical Devices
Presented by: Christian Herrild, Teel Plastics Inc.

Presentation: Increasing Efficiency in Design and Validation of Plastic Parts Using CT Scanning
Presented by: Melissa Butrie, 3D Proscan
## UPDATING EVENTS

### May 7-10, 2018
Orange County Convention Center

**550+ Technical Papers & 60+ Technical Marketing Presentations in the following areas:**

<table>
<thead>
<tr>
<th>Additive Manufacturing/3Dp</th>
<th>Joining of Plastics &amp; Composites</th>
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<tbody>
<tr>
<td>Advanced Energy</td>
<td>Medical Plastics</td>
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<tr>
<td>Alloys &amp; Blends</td>
<td>Mold Technologies</td>
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<td>Applied Rheology</td>
<td>Plastic Pipe &amp; Fittings</td>
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<td>Automotive</td>
<td>Plastics in Building &amp; Construction</td>
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<td>Bioplastics</td>
<td>Polymer Analysis</td>
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<td>Blow Molding</td>
<td>Polymer Modifiers &amp; Additives</td>
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<td>Color &amp; Appearance</td>
<td>Product Design &amp; Development</td>
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<tr>
<td>Composites</td>
<td>Reaction Injection Molders</td>
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<td>Decorating &amp; Assembly</td>
<td>Rotational Molding</td>
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<td>Electrical &amp; Electronic</td>
<td>Sustainability</td>
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<td>Engineering Properties &amp; Structure</td>
<td>Thermoforming</td>
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<td>Extrusion</td>
<td>Thermoplastic Elastomers</td>
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<td>Failure Analysis &amp; Prevention</td>
<td>Thermoplastic Materials &amp; Foams</td>
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<td>Flexible Packaging</td>
<td>Thermoset</td>
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<tr>
<td>Injection Molding</td>
<td>Vinyl Plastics</td>
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</table>
UPCOMING EVENTS

Medical Plastics Division

ANTEC® 2018 PAPERS

Submission Deadline: NOW CLOSED

Type of Papers/Presentations:

- Technical (full written paper)
- Commercial, presentation is allowed, but need to review 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

Coming Soon!
Preliminary Program Follows!
**Tuesday Morning**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:00 am – 11:30 am</td>
<td><strong>T6-Medical Plastics/Injection Molding Joint Session: Processing of Medical Plastics</strong></td>
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<tr>
<td>8:00 am – 8:30 am</td>
<td><strong>KEYNOTE: Innovations in Plastics Processing for Healthcare Applications</strong>&lt;br&gt;Manish Nandi, SABIC</td>
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<tr>
<td>8:30 am – 9:00 am</td>
<td><strong>KEYNOTE: New Developments and Trends in Medical Extrusion</strong>&lt;br&gt;Steve Maxson, Graham Engineering</td>
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<tr>
<td>9:00 am – 9:30 am</td>
<td>Laser-based Processing of Polymers for Medical Applications&lt;br&gt;Roger Narayan, NC State University</td>
</tr>
<tr>
<td>9:30 am – 10:00 am</td>
<td>Micro Molding Drug Delivery Devices to Micron Tolerances&lt;br&gt;Donna Bibber, Isometric Micro Molding, Inc.</td>
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<tr>
<td>10:00 am – 11:30 am</td>
<td><strong>PANEL: Part Process Development and Validation for Multiple Machines</strong>&lt;br&gt;Matthew Therrien, RJG Inc.&lt;br&gt;Rod Brown, Eli Lilly &amp; Company&lt;br&gt;Greg Lusardi, Becton Dickinson&lt;br&gt;Paul Robinson, QSQC&lt;br&gt;Brad Smith, Johnson &amp; Johnson&lt;br&gt;Ed Valley, Nypro, a Jabil Company</td>
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### Tuesday Afternoon

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<tr>
<td>1:30 pm – 6:00 pm</td>
<td><strong>T15-Medical Plastics: Materials and Processing for Medical Applications</strong></td>
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</table>
| 1:30 pm – 2:00 pm | **KEYNOTE: Opportunities and Obstacles for Plastic Primary Packaging in Drug Delivery Devices**  
Sarah Clark, Eli Lilly and Company |
| 2:00 pm – 2:30 pm | **Establishing Polymer Equivalency Process for Medical Device Application**  
Shantanu Shivdekar, Boston Scientific |
| 2:30 pm – 3:00 pm | **High Performance Polymers for Medical Devices**  
Marissa Tierno, Fluoritek, Inc |
| 3:00 pm – 3:30 pm | **EVA Polymer as a Platform for Advanced Drug Delivery**  
Don Loveday, Celanese |
| 3:30 pm – 4:00 pm | **Chemical and Thermal Analysis of the Surface Extractives of Medical Tubing of A Poly(ether-b-amide) Copolymer Using FTIR, GPC, and DSC Methods**  
Xiaoping Guo, Abbott Laboratories |
| 4:00 pm – 4:30 pm | **SMART MATERIAL SELECTION FOR QUIET, SMOOTH-SLIDING MEDICAL DEVICES INCLUDING NEW COLOR CONCEPT**  
Kirsten Markgraf, Celanese |
| 4:30 pm – 5:00 pm | **Processing of TPUs for Medical Applications**  
Ian Pierson, Abbott |
| 5:00 pm – 5:30 pm | **ANTIMICROBIAL BI-LAYER CATHETERS – EXTRUSION AND PERFORMANCE**  
Timothy Largier, Foster Corporation |
| 5:30 pm – 6:00 pm | **Elastomeric to Engineered Thermoplastic Polyurethanes**  
Anthony Walder, Lubrizon |
### Wednesday Afternoon

<table>
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<th>Time</th>
<th>Event</th>
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<tr>
<td>1:30 pm - 6:00 pm</td>
<td><strong>W17 - Medical Plastics: Materials and Processing for Medical Applications</strong></td>
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</table>
| 1:30 pm - 2:00 pm  | KEYNOTE: Medical Tubing Process Optimization with Simulation  
John Perdikoulias, Compuplast International Inc. |
| 2:00 pm - 2:30 pm  | SYSTEMS ENGINEERING FOR MEDICAL DEVICE DEVELOPMENT: APPLICATION TO INSULIN PUMPS  
Marc Horner, ANSYS, Inc. |
| 2:30 pm - 3:00 pm  | Effects of the Biological Environmental on Thermoplastic Polyurethanes  
Ajay Padsalgkar, Abbott |
| 3:00 pm - 3:30 pm  | Accounting for Differences in Modulus and Stress Relaxation Behavior in Plastics Undergoing Chemical Resistance Testing  
Mark Yeager, Covestro LLC |
| 3:30 pm - 4:00 pm  | Degradation Products of Medical Devices in Complex Biological Environments: Risk Assessment Strategies  
Adam Kozak, Cambridge Polymer Group |
| 4:00 pm - 4:30 pm  | ACCELERATED AGING OF MEDICAL-GRADE RESINS: Q10 FACTORS AND MATERIAL AGING MODELS  
Rob Klein, Stress Engineering Services |
| 4:30 pm - 5:00 pm  | Engineered Polymer Surfaces for Superior Performance in Pharmaceutical Applications  
Prakash Iyer, Innhance Technologies |
| 5:00 pm - 5:30 pm  | Supercritical Carbon Dioxide Assisted Extrusion of Graphene Nanofiller Reinforced Polymers for Biomedical Applications  
Austin Coffey, Waterford Institute of Technology |
| 5:30 pm - 6:00 pm  | The regulation of micro-super-hydrophobic silicone rubber to the behavior of human lens epithelial cells  
liuxueying zhong, State Key Laboratory of Ophthalmology, Zhongshan Ophthalmic Center, Sun Yat-sen University, Guangzho |
CALL FOR PAPERS
Medical Plastics Division
Injection Molding Division
Joint Session
ANTEC® 2018

Submission Deadline:  NOW CLOSED

Type of Papers/Presentations:
• Technical (full written paper)
• Commercial, presentation is allowed, but need to review before acceptance

Topics of Interest Include:
• Regulatory requirements for molded parts for medical usage
• What does it take to be a Medical Molder?
• Machine and Mold design for micro molding
• Use of molding flow simulation tools in medical part molding
• Molding biodegradable materials
• Case studies in Medical Molding
• Molding technologies for medical molding
• Material selection and design considerations for injection-moldable medical parts

Coming Soon!
Preliminary Program Follows!
PANEL DISCUSSION
"Part Process" Development and Validation for Multiple Machines
Organized by “Medical Plastics” and “Injection Molding” Divisions
Date and time: ANTEC Orlando, Tuesday, May 8, 2018, 10:00 – 11:30 am EST

A Medical Device OEM Consortium challenged the traditional plastic part validation process to facilitate moving a mold between machines – from Validation into Production. Much has been written and said regarding the “what and how-to” as it relates to process development and moving a mold between machines for the medical device industry. The Consortium member panel executed it - the economics of adopting this approach could potentially not only save tens to hundreds of thousands of dollars for each move, but the speed-to-market advantages and operations flexibility would be simply invaluable. Read the full article here.

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

Paul Robinson
Lead Regulatory Advisor, QSCS

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

Rod Brown
Senior Injection Molding Steward, Eli Lilly & Company

MODERATOR
Greg Lusardi
Worldwide Leader Molding, Becton Dickinson

Brad Smith
Principal Plastics Engineer, Johnson & Johnson Supplier Excellence

Scott Scully
Director, Corporate Molding/Tooling Terumo Cardiovascular

Maureen Reitman
Corporate Vice President, Exponent
UPCOMING EVENTS

ANTEC® ORLANDO
The Plastics Technology Conference
May 7-10, 2018
Orange County Convention Center

PANEL MEMBERS INFO

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. He can be reached at matt.therrien@rjginc.com

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

UPCOMING EVENTS

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.

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.

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.
UPCOMING EVENTS

May 7-10, 2018
Orange County Convention Center

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.

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.

Medical Plastics Division – Injection Molding Division
SME Joint Panel Discussion at ANTEC 2018
Experience the future of plastics manufacturing at NPE2018.

From new materials and additives to pioneering technology and green initiatives, NPE2018 brings together everything that's trending in the plastics industry today—and gives you a good look at what's in store for tomorrow.

REGISTER NOW
Treasurer’s Report as of February 22, 2018

Balance as of Nov 30, 2017: $21,210.43

<table>
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<tr>
<th>Income Type</th>
<th>Amount</th>
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<tr>
<td>SPE Rebate</td>
<td>$1,177.50</td>
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Total Income: $1,177.50

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<tr>
<th>Expense Type</th>
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No expense to be reported

Total Expense: $-

Funds Available as of February 22, 2018: $22,387.93

Do you have questions about the Treasurer Report? Please email Ali Ashter ashter2000@gmail.com
14 11th European Thermoforming Conference  
   Mar  March 14–16, 2018, Rome, Italy

27 2018 TPO Shanghai  
   Mar  March 27-29, 2018, Shanghai, China

18 Additives & Color Conference Middle East  
   Apr  April 18-19, 2018, Manama, Bahrain

30 AUTO EPCON 2018  
   Apr  April 30-May 1, 2018, Troy, Michigan

7 ANTEC® 2018 @NPE2018  
   May  May 7-10, 2018, Orlando, Florida

3 Rotational Molding Conference 2018  
   Jun  June 3-6, 2018, Cleveland, Ohio

14 SPE Extrusion MiniTec  
   Jun  June 14, 2018, Detroit, Michigan

21 SPE Extrusion MiniTec  
   Jun  June 21, 2018, Marietta, Georgia

5 SPE Automotive Composites Conference & Exhibition  
   Sep  September 5-7, 2018, Novi, Michigan

11 Advances in Foam Materials & Technology  
   Sep  September 11-14, 2018, Montreal, Quebec, Canada

18 2018 Thermoplastic Elastomers Conference - Innovation Bounces Back  
   Sep  September 18-20, 2018, Akron, Ohio

23 Color and Appearance Conference: (CAD RETEC®)  
   Sep  September 23-25, 2018, North Charleston, South Carolina

24 Thermoforming Conference®  
   Sep  September 24-26, 2018, Fort Worth, Texas

7 Automotive TPO Conference  
   Oct  October 7-10, 2018, Troy Marriott (Detroit Suburbs), Michigan
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Name</th>
<th>Date Details</th>
</tr>
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<tbody>
<tr>
<td>8</td>
<td>Annual Blow Molding Conference 2018</td>
<td>October 8-10, 2018, Pittsburgh, PA</td>
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<tr>
<td>23</td>
<td>Vinyltec® 2018: PVC Additives Today and Tomorrow</td>
<td>October 23-25, 2018, Chicago, IL</td>
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<tr>
<td>28</td>
<td>FlexPackCon® 2018</td>
<td>October 28-31, 2018, Phoenix, AZ</td>
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<td>7</td>
<td>48th Annual SPE Automotive Division Innovation Awards Gala</td>
<td>November 7, 2018, Livonia, MI</td>
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<tr>
<td>2019</td>
<td>International Polyolefins Conference</td>
<td>February 24-27, 2019, Houston, TX</td>
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<tr>
<td>18</td>
<td>ANTEC® Detroit</td>
<td>March 18-20, 2019, Detroit, MI</td>
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<td>9</td>
<td>Thermoforming Conference®</td>
<td>September 9-12, 2019, Milwaukee, WI</td>
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<td>Annual Blow Molding Conference 2019</td>
<td>September 23-25, 2019, Atlanta, GA</td>
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<tr>
<td>23</td>
<td>Color and Appearance Conference: (CAD RETEC®)</td>
<td>September 23-25, 2019, Cleveland, OH</td>
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<tr>
<td>23</td>
<td>Annual Blow Molding Conference 2019</td>
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<td>Vinyltec® 2019 Conference</td>
<td>October 1-3, 2019, Akron, OH</td>
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<td>6</td>
<td>Automotive TPO Conference</td>
<td>October 6-9, 2019, Troy Marriott, MI</td>
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**Newsletter Suggestions?**

somlai_louis@lilly.com