



## MPD NEWSLETTER

AUGUST 2014

### A LOOK BACK ON ANTEC 2014

The ANTEC conference in Las Vegas delivered a fantastic technical program across all divisions with a strong showing from the MPD with three full sessions where 14 papers were presented. The topics ranged from magnesium/polymer composites to polyurethanes in cardiac leads. The keynote was given by Stephen McCarthy on how Universities in Massachusetts are partnering with start-up device companies to accelerate innovative product.

One of the highlights of the event was the New Technology Forum on Medical Devices chaired and organized by Len Czuba. The talks in this session covered bio-derived polyolefins for drug delivery to regulatory harmonization for combination devices.

Don't miss your opportunity to highlight your research! Abstracts are due September 26<sup>th</sup> for ANTEC 2015.



**ANTEC 2015 ABSTRACT  
DEADLINE IS SEPTEMBER 4<sup>TH</sup>!  
THIS IS EARLIER THAN IN  
PREVIOUS YEARS, SO START  
WRITING YOUR ABSTRACTS!!!!**

### FROM THE CHAIR...

Hello Fellow MPD Members:

Several months ago, I was nominated to fill the open position of vice-Chair of the Medical Plastics Division. I accepted and began doing my homework, reviewing SPE guidelines for divisions and thinking about what I would do as vice-Chair.

Then, less than a week before ANTEC 2014 in Las Vegas, our division Chair Mark Bonifacio informed me that he would be resigning as Chair and not attending ANTEC 2014 due to a serious family illness. Mark has his priorities straight in considering his family first and our thoughts are with him.

Suddenly, I was Chair for the Medical Plastics Division and the Board of Directors for the 2014-2015 season. Fortunately, I had plenty of experienced guidance to support me, with several past MPD Chairs in Las Vegas.

One of my first acts as chair was to welcome three new members and address the 24-member strong board during the Board of Directors Meeting held on the Monday of the conference. For more details on the make-up of the board, please check out the "Board of Directors" section of this newsletter.

ANTEC takes the lead spot in our Newsletter this month after a great showing by MPD. We must thank Ed Fewkes and all those reviewers who worked with him for assembling a successful MPD technical program this year, and Len Czuba for his efforts with the New Technology Forum *Plastics in the Hospital and the Human Body*.

One of my goals for this upcoming year is to formalize the positions and responsibilities for the Board of Directions and establish written bylaws. This will allow us to maintain our high standards and not skip a beat in our service to the MBD members when changes occur in the Board.

On behalf of the board, I can tell you that we are excited in continuing efforts to serve our membership better, get everyone more involved, and how to promote and strengthen the MPD. Look for details elsewhere in this newsletter. Here's to the coming year!

*Norris M Tollefson*

2014-2015 Chair

## BOARD OF DIRECTORS

Elections for the Board of Directors were held in May and we welcome to the board the following new members:

Lorie Lodic  
Pierre Moulinie  
Nitin Sood

The returning board members who currently hold positions are:

Norris Tollefson, Chair  
Mark Bonifacio, Past Chair  
Ben Poon, Secretary  
John Thomas, Finance  
Ali Ashter, Treasurer  
Len Czuba, Finance  
Margie Hanna, Councilor  
Steve McCarthy, Finance  
Michael Wallick, Awards  
Jordan Freedman, Newsletter  
Ed Fewkes, TCP ANTEC  
Glenn Beall, Historian

At this year's ANTEC, the board voted Norris Tollefson and Len Czuba as MVPs of the MPD for their contribution to the newsletter and MiniTecs in 2014 respectively.

The goals and objectives for the 2014-2015 MPD Board are listed on the next page of the newsletter.

## FEATURED EVENT

The MPD board strives to provide forums across the country for regional groups to share ideas and learn from industry innovation leaders. This year the board is pulling out all the stops with some amazing opportunities for furthering our knowledge of the medical plastics field.

Our featured event for this newsletter is the MiniTec taking place in Philadelphia Thursday, November 6<sup>th</sup>. This all-day event entitled "Technology Advances in Plastic Materials and Processing for Medical Devices" will feature 14 talks ranging from fluoropolymers in healthcare applications to the conversion from metal to plastic instruments in healthcare. A full list of the speakers and topics are included at the end of this newsletter. Keep an eye out for an invitation to register! For questions about the event, contact [program@philspe.org](mailto:program@philspe.org). We look forward to seeing you there!

## GLENN BEALL RECEIVES EXCELLENCE IN MENTORING AWARD

During the 2014 ANTEC Awards Luncheon, our very own Glenn Beall was presented with the Excellence in Mentoring Award. This award recognizes a member's service in advising, supporting, and encouraging less-experienced SPE members as they pursue their and the Society's goals. Glenn has a long history with the Medical Plastics Division and has mentored many new members of the division.

In accepting the award, Glenn cited the long-lasting influence of George Ryan, an early mentor who advised him to join SPE and get involved. Glenn followed the advice of his mentor, and although it was never mentioned, he figured George knew exactly what he had done. George's recommendation made it possible for a young engineer buried deep inside a large corporation to break out and get to know and learn from experts in the industry on a national level.

Glenn believes that that one recommendation had a profound effect on his career and quality of life. With Glenn's involvement with SPE, there are many people that would say the same of him. Congratulations Glenn!!

## STEVE MCCARTHY RECEIVES EDUCATION AWARD

Also during ANTEC 2014, Steve McCarthy was presented with the Fred E. Schwab Education Award. Steve has been a strong champion of plastics and biomedical education at the University of Massachusetts-Lowell for 30 years. His work with students through his research and through the Massachusetts Medical Development Center made him a perfect recipient. Congratulations Steve!

## LETTER FROM THE EDITOR...

Welcome to the new MPD newsletter! I am excited to have the opportunity to bring our members updates on the happenings around SPE and within the Medical Plastics Division. In addition to the "need to know" information, my goal is to have a feature article each issue that highlights a different area of plastics research. If you are interested in writing an article for the newsletter or have information that would be beneficial to our members, please contact me, at [jhfreedm@yahoo.com](mailto:jhfreedm@yahoo.com) and I will do my best at incorporating it. I would also appreciate any feedback on the new look of the newsletter!! Happy reading.

*Jordan Freedman*

## MEDICAL PLASTICS DIVISION GOALS AND OBJECTIVES



### **Mission Statement**

To promote the Medical Plastics Division of the Society of Plastics Engineers through outreach, networking, and education about our fascinating and vital industry. To encourage participation of everyone from the MPD Board and from the Division to help shape our message and to encourage others to join us in this mission.

To support this mission statement, the following goals have been set by the Chair for the different functions within the Medical Plastics Division:

### **Leadership Development**

- Translate the MPD mission Statement into Goals and Objectives for 2014.
- Have each member of the board participate to the fullest extent of their desire and capability.
- Approve bylaws for the MPD that describe critical roles and responsibilities of board members.
- Have each BOD member identify a potential successor.
- Increase MPD participation in education and student activities.
- Hold six Conference Calls as a Board during MPD 2013-2014 season.

### **Technical Programming**

Create a committee to coordinate Technical Programs for the many conferences in which MDP participates.

- A Technical Program Chair to identify appropriate venues for MPD participation.
- A TPC for ANTEC 2015 to manage technical program and planning.
- A TPC for MD&M East and MD&M West, to liaison with UBM Canon.
- A TPC for regional TOPCON or MINITECs as appropriate.
- A TPC for SPE Polyolefins conference.
- A TPC for international SPE conferences, as appropriate.

### **Communications Program**

- Publish the Medical Plastics Division newsletter quarterly.
- Keep the MPD webpage up-to-date.
- Identify and use SPE resources such as email blasts to improve/increase communication among MPD members.

### **Finance Committee**

- Improve financial standing through short range and long range planning so that MPD can continue to contribute to student activities, organize and support technical conferences, reinstitute monetary awards (e.g. "Best Paper").

### **Membership**

- Appoint a membership chair to track trends in MPD membership, to welcome new members, to reach out to potential members, with the goal of increasing division membership by 5% in the 2014-2015 season.

### **Recognition**

- Recognize contributions from conference speakers and student presentations. Identify and recognize best speaker at each conference.
- Nominate and sponsor at least one member for either Honored Service Member or Fellow from our division.
- Submit appropriate documents to SPE for Society Pinnacle and Communications awards.

August 2014

## MINITEC CONFERENCE: "TECHNOLOGY ADVANCES IN PLASTIC MATERIALS AND PROCESSING FOR MEDICAL DEVICES"

THURSDAY, NOVEMBER 6, 2014  
DESMOND HOTEL AND CONFERENCE CENTER  
1114 DRUMMOND PLAZA OFFICE PARK  
MALVERN, PA 19355

### **TECHNICAL PROGRAM LISTING:**

#### **Manuel Garcia-Leiner – Exponent**

Title: High Performance Polymers

#### **Pierre Moulinie – Bayer Material Science LLC**

Title: Polycarbonate Resins for Medical Applications: Today and Tomorrow

#### **Steven Givens – Eastman Chemical Company**

Title: Relationship of Injection Molding Process Variables to Chemical Resistance in Medical Grades of Eastman Tritan™ Copolyesters and Polycarbonate

#### **Manish Nandi – SABIC Innovative Plastics**

Title: Innovations in Plastics for Medical Devices

#### **Trevor Spencer – Solvay Specialty Polymers**

Title: Coming to Grips with Metal-to-Plastic Conversion for Instruments in Healthcare

#### **John Felton – Daikin – America**

Title: Fluoropolymers in Healthcare Applications

#### **David Shea – PolyOne Corporation**

Title: Silicone Biomaterial Applications: Past, Present and Future

#### **Chay Uy – Design Science**

Title: Actions Speak Louder Than Words: The Difference Between What Your Customer Says and What Your Customer Does

#### **Alex Beaumont – Beaumont Technologies, Inc.**

Title: Scientific Runner Design: Why Does Your Perfect Mold and Process Make Imperfect Parts

#### **Mike Durina – MD Plastics Inc.**

Title: Process Development: The Use of a Melt Sensor for Improved Plastic Part Production and Verification

#### **Jeff Leighty – Plasmatreat**

Title: Openair® Plasma Improves Adhesion of LSR to Medical Grade Polymer Substrate Materi

#### **Christian Herrild – Teel Plastics**

Title: Solving Customer Problems Using Co-extrusion: A Case Study

#### **Mak Joshi – Teleflex Medical OEM**

Title: Optimum Catheter Design: Making the Smart Choices When Selecting Materials and Manufacturing Processes

#### **Tariq Rahman – A.I. DuPont Hospital for Children**

Title: Use of 3-D Printing for Functional Orthoses

For more information, contact Jamie Mosberg at  
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