

GREETINGS FROM THE CHAIR



Dear Fellow Medical Plastics Division Members:

I would like to draw your attention to few items coming up:

Firstly, we will soon be organizing the MPD Board of Directors ballot for 2021 with terms until 2024.

A number of you have already indicated being interested in running this years' ballot. If you are interested in helping out with the Divisions' organization, be sure to let me know! We will also be balloting for our Division Councilor and you can reach out to me or Vipul Davé if you would like to be considered. The Councilor is a vital link between the Division and SPE.

I am excited to share that MPD will organize Virtual Technical Forum and Networking events on the first Wednesday of each month. The first (and inaugural event) was recently held on April 7 where speaker Mercy Bulsari presented a talk on "Sustainability and a Circular Economy made possible by Compounding & Value-add Product Modifiers in the World of Plastics".

Continued on the next page...

Inside This Edition...

Emeritus Board Members.....	3
SPE MPD BOD & Committees.....	6
Newsletter Editor.....	11
Elections – Candidate BIOS.....	12
Plastics in Sports Medicine	24
Councilor's Report.....	29
Treasurer's Report.....	34
Upcoming Events.....	35

GREETINGS FROM THE CHAIR

Continued from the previous page...

MPD Webinar and Technical Committees have planned a one-day Medical Plastics Virtual Symposium on June 10 with key focus on Medical Plastics, Material Formulation, Novel Device Design, Implantables, Modeling, Surface-Modified Materials, 3D Printing and Bioresorbable polymers. Please mark your calendars and spread the word with your peers. If you would like to present, please reach out to Symposium Organizing Committee.

Our Division is teaming up with Informa Markets to offer a MiniTec conference “Medical Plastics to Help Save the World” on August 10, 2021 while many of us will be in Anaheim for MD&M West. Please do not miss this learning opportunity and register today to attend the event.

Finally, I would like to acknowledge Avient and Evonik for their sponsorship and would like to invite other organizations to support the Medical Plastics Division.

I look forward for your feedback and recommendations to make MPD a stronger Division.

Thanks for reading

-Ali.

Are you interested in volunteering for the BOD?

Please email Ali Ashter
ashter2000@gmail.com

MPD Emeritus Board Members

In January of 2020 the MPD Board adopted for the division an updated set of Bylaws. In this update a new level of board membership “Emeritus Board Member” was recognized and established for the division. The purpose of having Emeritus Board Members is to give the opportunity for MPD members that have served for many years in different roles to stay involved and provide advice for the growth of less experienced board members and to help and promote growth of the division.

Medical Plastics Division Emeritus Board Member - Glenn Beall



Shortly after the Bylaws were approved, Glenn Beall, one of the founding board members of our division was nominated by our then chairman, Dr. Vipul Dave’ as our first Emeritus Board Member.

After a brief explanation of his credentials in MPD and beyond our division throughout SPE, the board discussed and then overwhelmingly approved Glenn Beall as an Emeritus Board Member of our division. Congratulations Glenn!

An award recognizing this distinction was to be presented to Glenn at ANTEC 2020 in San Antonio but because of the pandemic and the transitioning of ANTEC to an all on-line event, this presentation has been postponed until representatives of the MPD can arrange a time to present the award to Glenn in person.

Glenn was a founding board member of the Medical Plastics Division in 1981, served as secretary, newsletter editor and then chairman in 1984 & 1985.

Continued on the next page...

Medical Plastics Division Emeritus Board Member - Glenn Beall

He was voted as the division's Most Valuable Member three times, 1984, 1985 & 1986, and was given the division's Outstanding Contribution Award in 1994. In addition to his service to MPD, Glenn served on the board of directors of the Mold Making & Mold Design Division from 1982-2013, was a founding board member of the Product Design & Development Division in 1989 and the Rotational Molding Division in 1996 serving on both of their boards through 2019.

Glenn Beall was awarded SPE's President's Cup in 1983, was recognized as a Distinguished Member of SPE in 1990 and awarded the Outstanding Achievement in Plastics Education Award by SPE in 1993. Glenn was inducted into the Plastics Hall of Fame in 1997 and was awarded SPE's International Award in 2003. This is not a complete list of Glenn Beall's accolades but it provides a glimpse into Glenn's outstanding background and amazing contributions to SPE and our industry. An article reviewing much more of Glenn's impressive record and contributions to the industry will be featured in the next MPD newsletter.

MPD Emeritus Board Members

Medical Plastics Division Emeritus Board Member – Len Czuba



At the January meeting of MPD board of directors, past-chair Dr. Pierre Moulinie' reviewed some of the credentials of currently serving board member and division Councilor, Len Czuba.

Chairman Ali Ashter then nominated Len Czuba to become an Emeritus Member of the board.

After a brief discussion, the board approved the nomination.

Congratulations Len!

Len Czuba joined SPE in 1975 and became a member of the Medical Plastics Division at its founding. He was elected to its board of directors in 1985 and has served on it since then. He served as the division chairman in 1990-1991, 1997-1998 and 2010-2011. He was selected as the divisions Most Valuable Member in 1989, 1993, 1998, 2008 and 2014. In 2001, Len was elected to the Executive Committee of the society where in 2002 he served as VP and treasure of the society and then won elections elevating him eventually to President of the Society in 2005-2006. In 2000, he was elected to the rank of Honored Service Member and became a Distinguished Member of SPE after serving as President. In 2015, Len Czuba was recognized as a Fellow of the Society of Plastics Engineers.

No further details are available about when this recognition would be presented to Len. But stay tuned for a more complete article reviewing his contributions to MPD, to SPE as well as his work in the medical device industry throughout his career. An article will be featured in a future issue of this newsletter.

MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2021



Ali Ashter, Advanced Plastics Enterprise LLC

- Chair
- ashter2000@gmail.com



Margie Hanna, Czuba Enterprises

- Member - Finance Committee
- m_hanna@yahoo.com



Ned LeMaster, DuPont

- Secretary; Technical Program – Webinars
- ned.e.lemaster@dupont.com



Maureen Reitman, Exponent

- Member – Technical Program Committee & Awards Committee
- mreitman@exponent.com



Amin Sedighiamiri, AstraZeneca

- MPD Technical Program Committee
- am.sadighi@gmail.com

MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2022



Jennifer Hoffman, EAG Laboratories

- Membership Committee
- jmchoff@gmail.com



Anil Mahapatro, Wichita State University

- Technical Program & Awards Committees
- Anil.Mahapatro@wichita.edu



Victoria Nawaby, Patina Solutions

- Education Committee co-Chair
- nawabyv@hotmail.com



Bhavin Shah, Tepha

- Treasurer, Finance Committee
- shah@tepha.com



Michael Wallick, Invibio

- Awards Committee co-Chair
- mwallick@invibio.com

MEET YOUR SPE MPD BOARD OF DIRECTORS

MPD Board Members with Term Expiring in 2023



Ravishankar Ayyar, Eli Lilly and Company

- Membership Chair & Awards co-Chair
- rayyar@lilly.com



Nathan Rader-Edkin, BD Corporation

- nathan.rader-edkin@bd.com



Ajay Padsalgikar, DSM

- MPD Technical Program Committee
- Ajay.Padsalgikar@dsm.com



Louis Somlai, Eli Lilly and Company

- Vice-Chair, Communications Committee
- somlai_louis@lilly.com



Gregorio Velez, Stryker Corporation

- Gregorio.Velez@stryker.com

MEET YOUR SPE MPD BOARD OF DIRECTORS



Vipul Davé, Johnson & Johnson

- Past Division Chair/Finance Committee/TPC
- VDave1@its.jnj.com



Pierre Moulinié, Covestro

- Education Committee Co-Chair/Webinar
- pierre.moulinie@covestro.com



Len Czuba, Czuba Enterprises

- Councilor
- LCzuba@CzubaEnterprises.com



Kathy Schacht, SPE

- SPE Liaison
- kschacht@4spe.org

Are you interested in volunteering for the BOD?

Please email Ali Ashter
ashter2000@gmail.com

MEDICAL PLASTICS DIVISION COMMITTEES

<p>Vice Chair Louis Somlai ('23) Vice Chair / Communication Chair / MPD Website</p>	<p>Division Chair Ali Ashter ('21)</p>	<p>Past Chair Vipul Davé ('23) Past Chair / Finance Committee / Nominating Committee / Technical Program Committee</p>
<p>Treasurer Bhavin Shah ('22)</p>	<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 ('22) co-Chair: Victoria Nawaby ('22) Webinars: Pierre Moulinié ('22); Victoria Nawaby ('22), Ned LeMaster ('21) 	<p>Communications Committee Chair: Louis Somlai ('23)</p> <ul style="list-style-type: none"> Newsletter: Vijay Kudchadkar ('21) Marketing & Outreach: Suneel Bandi, Selvaanish Selvam ('21) Website: Louis Somlai ('23) & Ned LeMaster ('21) Historian: Len Czuba ('21); Glenn Beall (Emeritus) 	<p>Membership Committee</p> <ul style="list-style-type: none"> Chair: Ravi Ayyar ('23) Members: Jennifer Hoffman ('22) Gregorio Velez ('23)
<p>Awards Committee</p> <ul style="list-style-type: none"> co-Chair: Michael Wallick ('22) co-Chair: Ravishankar Ayyar ('23) Member: Anil Mahapatro ('22) 	<p>Finance Committee Chair: Ali Ashter ('21)</p> <ul style="list-style-type: none"> Treasurer Bhavin Shah ('22) Members: Vipul Davé ('23); Margie Hanna ('21) 	<p>Technical Programing Committee</p> <ul style="list-style-type: none"> co-Chair: Pierre Moulinié ('22) co-Chair: Jennifer Hoffman ('22) Members: Vipul Dave ('21), Maureen Reitman ('21); Louis Somlai ('23); Anil Mahapatro ('22); Webinars & MiniTec Lead: Ned LeMaster ('21)

Are you interested in volunteering for the BOD?

Please email Ali Ashter
ashter2000@gmail.com

NEWSLETTER EDITOR

GREETINGS FROM THE NEWSLETTER EDITOR



Greetings fellow Medical Plastics Division Members! Welcome to the latest edition of our award winning newsletter! I appreciate your efforts to help me improve this communication tool; please send feedback my way:

vijay.kudchadkar@westfall-technik.com

In this newsletter we are honoring our Emeritus members – **Glenn Beall and Len Czuba** - who have made significant contributions to the medical plastics industry. Please take a look at their impressive profiles and read about their achievements. On behalf of the MPD, we would like to thank them for the contributions and continued support.

Plastics play an important role in our lives. In this newsletter, we are featuring stories and articles about how plastics have been used in sports medicine.

Please visit the events page on our website to find out more about our upcoming events. <https://mpd.4spe.org/events/list/>

Best regards,

Vijay Kudchadkar

Do you have questions about MPD Membership?

Please email Ravi Ayyar

rayyar@lilly.com

Newsletter Suggestions? Interested in Sponsorship?

Please email:

Vijay Kudchadkar Vijay.Kudchadkar@westfall-technik.com

Selvaanish Selvam Selvaanish.Selvam@avient.com

MPD BOD Elections

2021 Election for New Board Members

We would like to take this opportunity to introduce 10 candidates for our annual new board member elections. Our elections are held every year for new or returning board members to serve a three-year term on our MPD Board of Directors. Elections will be conducted by SPE HQ in the next 2 or 3 weeks and those elected will start their term at the beginning of the new SPE year on July 1st.

Please review their information and plan to vote when the election ballots are sent out.

Amin Sedighiamiri	Device Development Engineering Manager	AstraZeneca
Kumin (CHARLES) Yang	Principal R&D Engineer	Boston Scientific
Ned LeMaster	Application Development Engineer	DuPont
Margie Hanna	Vice President of Business Development	CEI
Bruce Martin-Wright	Director of NPPD	Teel Plastics
Rob Klein	Senior Materials Engineer	AtriCure
Vijay Kudchadkar	Director of Advanced Engineering	Westfall Technik
Satyamkumar (Satyam) Modi	Engineering Manager	TerumoBCT
Nathan Doyle	Sales & Marketing Manager	Compounding Solutions
Selvaanish Selvam	Business Development Manager	Avient





Amin Sedighiamiri

Device Development Engineering Manager
AstraZeneca

Amin Sedighiamiri has a PhD in Mechanical Engineering with more than 12 years of technical leadership experience, including plastic products innovation and commercialization across multiple industry segments, like medical device, combination product, automotive and water management in Europe and the US.

Currently, he is a Device Development Engineering Manager in Dosage Form Design and Development organization of AstraZeneca where he is leading combination product development as well as smart drug delivery device technology development projects. Before joining AstraZeneca, Amin worked as Associate Engineering Advisor in Delivery, Device and Connected Solutions Organization of Eli Lilly and Company, where he led cross-functional teams of engineers to develop connected solutions for drug delivery devices. Prior to Eli Lilly, he worked as Sr. Application Development Engineer at SABIC and was involved in several projects related to design, development, and injection molding of thermoplastic components in automotive and water management

He is completing his 3-year term on the board of directors and would appreciate your vote to continue for another term.





Kumin (CHARLES) Yang
Principal R&D Engineer
Boston Scientific

Charles has a deep passion for polymers and its application in medical devices. Over the course of his career spanning decades, has held positions at Abbott Laboratories developing PTCA catheters, radiopaque marker bands, and solving multiple issues with polymers on medical device products. Charles was then recruited by Medtronic Peripheral Vascular division. While there, he led technology development/commercialization of the Fortrex® high pressure balloon and was a key team member on other balloon programs. Charles was a recognized SME assisting projects within Medtronic on polymer structure, properties, processing, design relationship and failure analysis. He is currently with the Boston Scientific Endoscopy division as a Principal R&D Engineer. In the past years, Charles was a volunteer Board of Director for the SPE Medical Plastics Division. He still has fond memories of his very first SPE ANTEC attendance/presentation in NY, 1999.

Charles has a B.S. in Chemical Engineering and a Ph.D. in Material Science & Engineering both from Rensselaer Polytechnic Institute. He has over 12 publications and 4 patents issued.



MPD BOD CANDIDATE BIOS



Ned LeMaster

Application Development Engineer
DuPont

Ned LeMaster earned a Bachelor's Degree in Chemical Engineering from Ohio University in 2003. He began his career with DuPont as a Co-Op Student in Zytel® R&D, and later as a Process Engineer within the Teflon® division.

In the fall of 2005, Ned took the position of Technical Manager with Bergen International and was later promoted to Director of Technical Service and Development. For ten years Ned supported customers in a variety of applications and markets.

In 2015, Ned took a position with INVISTA as process engineer for Raptor Nylon Pipe servicing the Oil and Gas Market where he led the startup of an extrusion facility and development of new products. Ned joined Teel Plastics in December 2016 as a Sr. New Product and Process Development Engineer and was later promoted to Director of Sales in 2017.

He rejoined DuPont in August of 2018 as an Application Development Engineer Supporting Medical and Healthcare Markets. Ned has been an active member of the SPE Medical Plastics Division since 2017 and is finishing up his term as the division's secretary. He was voted division co-MVP in 2019, serves on the Webinar Committee, served as co-chair for the division's 2020 virtual conference "Plastics in Medical Manufacturing", and served as co-chair for the division's MiniTec event in 2019 and 2020





Margie Hanna

Vice President of Business Development
CEI

Margie Hanna is the Vice President of Business Development for CEI, a product development consulting firm. She has a degree in Psychology from the University of Illinois, Chicago and has more than 25 years of experience in education, sales and marketing roles.

She has served the Medical Plastics Division as Councilor for six years and on the technical programming committee by assisting with the MDM programming as well as on the last three MiniTecs.

Ms. Hanna also served as MPD's Social Chair, coordinating new member recruitment efforts by arranging the MPD receptions at several ANTECs. She has served on the Student Activities at ANTEC Committee, judged the student poster sessions and contributed on the Communications Committee. Currently, Ms. Hanna is a member of the MPD Finance committee.

Margie Hanna would like to continue to serve the membership of MPD on the board in another 3-year term and would appreciate your support.



MPD BOD CANDIDATE BIOS



Bruce Martin-Wright
Director of NPPD
Teel Plastics

Bruce Martin-Wright earned a Bachelor of Science Degree in Mechanical Engineering from the University of Wisconsin-Madison in 2005. While working toward his degree, Bruce worked nights and weekends as a Technical Shift Leader at Springs Window Fashion Division, gaining experience in single and conical twin screw extrusion of PVC along with injection molding.

In the summer of 2001, Bruce took the position of Extrusion Manager at Uniek Inc, working a variety of production and engineering roles including Process Engineer and Plant Manager during his time with the company. While at Uniek, Bruce developed a foamed, co-extruded PS process with full inline decoration for profiles used in the internal high-speed manufacturing of picture frames. Bruce also developed internal processes to recapture and reuse all internally generated scrap which grew into a process that completely replaced all virgin resin with recycled material and included the introduction of internally recycled Styrofoam collected from the neighboring communities bound for the landfill.

In 2014, Bruce joined Teel Plastics as a Sr. New Product and Process Engineer, and now serves as the Director of NPPD focusing on the Medical Disposables and Cosmetic Markets for both extruded and injection molded products. Bruce is an active member of Teel's Technical Advisor Board and works closely with graduate students from the University of Wisconsin's Polymer Center on their graduate projects. Bruce has continued his education while at Teel, earning a Master's in Polymer Engineering in 2018 and MBA in 2020 both from UW-Madison. Bruce is also a veteran of the United States Navy serving from 1989 to 1993.





Rob Klein
Senior Materials Engineer
AtriCure

Dr. Rob Klein is a Senior Materials Engineer at AtriCure, Inc., a medical device manufacturer of surgical products for heart treatments in Cincinnati. He is the primary materials and biocompatibility subject matter expert at AtriCure and assists with all steps of the product cycle.

Previously, Dr. Klein worked at Stress Engineering Services in Cincinnati for over 6 years; Luna Innovations in Charlottesville, VA for over 5 years; and Sandia National Laboratories in Albuquerque for a postdoc. He has a PhD and M.S. from Penn State University in Materials Science and Engineering, and a B.S. from University of California at Santa Barbara in Chemical Engineering. He is an active member of ACS and SPE and has been attending and presenting at SPE/ANTEC Medical Group sessions, SPE MiniTec's, and NPE expos since 2014.





Vijay Kudchadkar

Director of Advanced Engineering
Westfall Technik

Vijay Kudchadkar graduated with a Master's Degree in Plastics Engineering from the University of Massachusetts Lowell. Vijay is currently the Director of Advanced Engineering for Westfall Technik. Vijay is a Plastics Engineer with 16 years of experience in injection molding, specializing in material properties, part design, hot runners, screw design, high cavitation tooling and molding, micro molding, and flow simulation.

Vijay also has 8 years of experience in extrusion, thermoforming, and blow molding, and has numerous publications and 9 patents in the field of polymer processing.

Vijay is an active member of the Society of Plastics Engineers and is currently the past-President and Golf Chair of SPE Ontario and Newsletter editor for the Medical Plastics Division.

Vijay would like to continue serving as Newsletter editor for the SPE Medical Plastics Division and would appreciate your support.





Satyamkumar (Satyam) Modi
Engineering Manager
TerumoBCT

Satyamkumar (Satyam) Modi graduated with a bachelor's degree in Industrial Polymer Chemistry and master's degree in Plastic Technology from the Sardar Patel University, India in 2001 and 2003, respectively. He then completed M.S. in Polymer Technology from Loughborough University, UK in 2004 and M.Phil. from Manchester Metropolitan University, Manchester, UK in 2006. Satyam joined the Ph.D. program at University of Massachusetts Lowell in 2007 and graduated in 2013. During his Ph.D., Satyam studied the Viability of Adapting Nanoassembly Processes to the High Viscous Environment of Polymer Melts, Fabrication of Hierarchical Microlayered and Nanolayered Complex Polymer-Based Structures and Systems Using Multilayer Co-Extrusion Process, Layer Multiplication Effect on Orientation of Carbon Nanotubes in Co-Extrusion Process, Effect of Polymer Block Length on Electrospun Thermoplastics Polyurethane/Modified Montmorillonite Clay Fibers for Semi-Permeable Breathing Membrane Application, and Developed and Formulated Highly Impermeable Nanocomposites of Brominated Butyl Rubber with Modified Montmorillonite Clay for Applications Requiring Critical Gas Impermeability.

Since 2013, Satyam is working as an Engineering Manager for a Medical Device Company called TerumoBCT in Lakewood, CO. At TerumoBCT, Satyam's work includes new product as well as process development.





Nathan Doyle
Sales & Marketing Manager
Compounding Solutions

Nathan Doyle is the Sales & Marketing manager for the past 11 years at Compounding Solutions. Nathan leads a team of 15 highly motivated individuals in the Compounding Solutions Sales, Marketing & Customer Service department. Prior to working at Compounding Solutions, Nathan worked as Engineering Product Manager and Application Engineer for Cyclics Corporation, his work in his field led to 3 patents & patent applications.

Nathan is a member of the Society of Plastic Engineers, with 11 yrs of experience in the Medical Plastics Industry and 16 yrs of experience in compounding/formulation development. Nathan received his Bachelor and Master of Science degrees in Material Science & Engineering from Rensselaer Polytechnic Institute.





Selvaanish Selvam

Business Development Manager
Avient

Selvaanish Selvam is a Business Development Manager who has been at Avient (formerly Clariant) for the past 3 years. He is also currently pursuing his MBA at Northwestern University – Kellogg School of Management. He graduated from Case Western Reserve University in Cleveland, OH with a Master's Degree in Biomedical Engineering and a minor in Chemistry. In addition to his degree, Selvaanish was on the Dean's Council at Case Western and a past President of their Biomedical Engineering Society.

As an intern for over 4 years at the Cleveland Clinic, Selvaanish participated in the development of a portable air oxygen blender for neonates. This unique device has been applied for patent protection. Selvaanish has 4 publications, and his work has been cited over 70 times.

Selvaanish helped create a new additive for hydrolysis resistant radiopaque catheter compounds which was presented at MiniTec 2020. Selvaanish has been an active member of the SPE Medical Plastics Division since 2020 and is making valuable contributions as part of the Communications team.



HEALTHCARE TECHNOLOGY ACCELERATED

Healthcare technology is growing and evolving, and we want to help you advance forward. Let's work together to solve your toughest medtech challenges, and spark breakthroughs for tomorrow.

With a focus on specialized materials, colorants and additives from the world's leading plastics suppliers, you can lean on our dedicated design, technical and logistics teams to help you minimize risk, optimize design and accelerate commercialization.



For more information,
visit avientdistribution.com/healthcare



Polymer Biomaterials Offer Possibilities for Orthopedic Implants

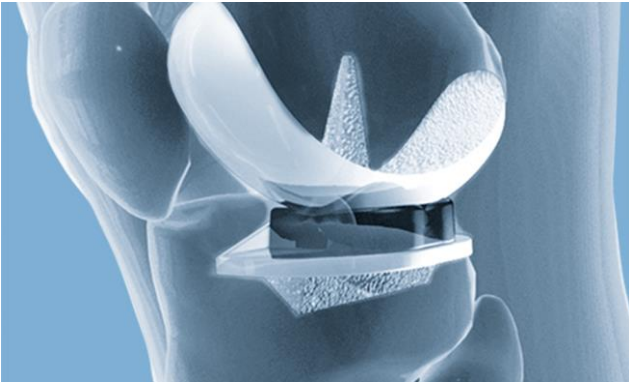


Since the 1950s and John Charnley's introduction of the low friction hip prosthesis, metal-on-polyethylene bearings have remained the gold standard in terms of the long-term performance of orthopedic implants, and have represented the largest share of the orthopedic implant market. In spite of decades of use and large amounts of research and development on these materials, some problems still exist with this material combination. Prime among these are wear-related osteolysis and thick implants leading to healthy bone removal during surgery. The use of a high-performance polymer material may present an opportunity to create a step change in this sector. [Read More](#)

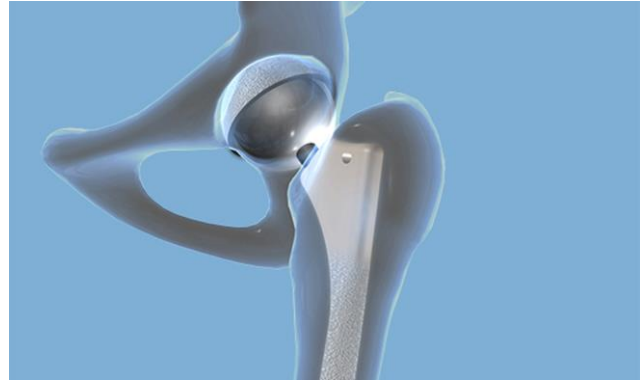
Newsletter Suggestions? Interested in Sponsorship?

Please email Louis Somlai
somlai_louis@lilly.com

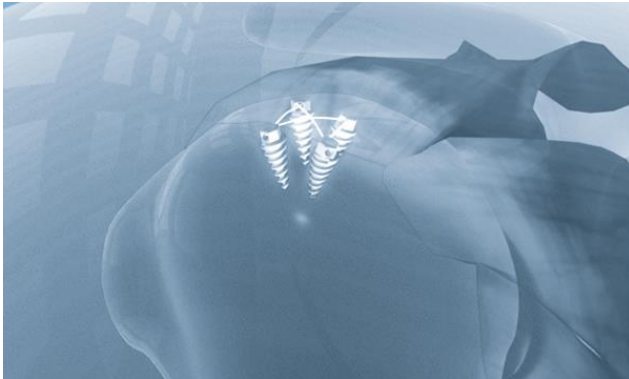
PEEK Applications



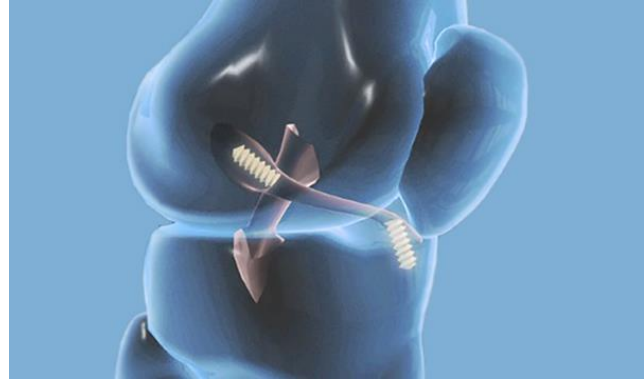
Rotating-hinge knees



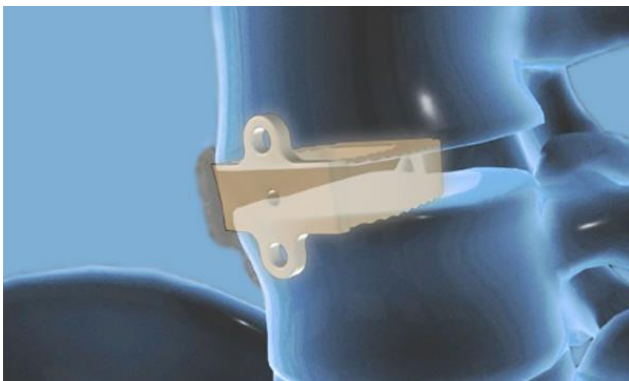
Hip cups



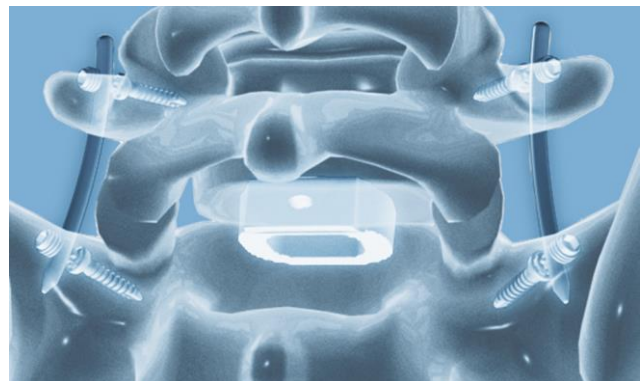
Knotless suture anchors



Tibial sheath & screw systems



Spinal interbody fusion



Posterior spine stabilization rods

Newsletter Suggestions? Interested in Sponsorship?

Please email Louis Somlai
somlai_louis@lilly.com

First FDA clearance for an osteotomy wedge system made of PEEK



The Trigon system, made from PEEK-OPTIMA HA Enhanced, enables a standard surgical technique that allows direct and exact placement of implant and screws without additional plating. Nvision collaborated with Invibio for the FDA 510(k) submission to obtain clearance for the new implant. [Read More](#)

Newsletter Suggestions? Interested in Sponsorship?

Please email Louis Somlai
somlai_louis@lilly.com

Material Matters: New Offerings for Orthopedic Technologies



Material properties are foundational for medical devices to achieve effective clinical outcomes. Decades ago, orthopedics almost exclusively focused on metal. Over the last 10 years, material options have shifted toward polymer-based components, including polymer/metal hybrids and disposable polymer instruments.

Material science continues to rapidly evolve to meet the needs of disruptive new technologies such as additive manufacturing and 3D printing. Advanced injection molding can handle a wider range of polymers for key product applications. [Read More](#)

Newsletter Suggestions? Interested in Sponsorship?

Please email Louis Somlai
somlai_louis@lilly.com

White Papers/Publications

[PEEK Materials in Sports Medicine](#)

[Applications of synthetic polymers in clinical medicine](#)

[Laser Superficial Fusion of Gold Nanoparticles with PEEK Polymer for Cardiovascular Application](#)

[PEEK Biomaterials in Trauma, Orthopedic, and Spinal Implants](#)

[Carbon fiber-reinforced pedicle screws reduce artifacts in magnetic resonance imaging of patients with lumbar spondylosis](#)

[Biofunctional Glycol-Modified Polyethylene Terephthalate and Thermoplastic Polyurethane Implants by Extrusion-Based Additive Manufacturing for Medical 3D Maxillofacial Defect Reconstruction](#)

[The Effect of a PEEK Material-Based External Fixator in the Treatment of Distal Radius Fractures with Non-Transarticular External Fixation](#)

Newsletter Suggestions? Interested in Sponsorship?

Please email Louis Somlai
somla_louis@lilly.com

COUNCILOR'S REPORT



Dear MPD Members,

The SPE Council met on 28Jan21 for a one hour on-line meeting. Sixty six Councilors were in attendance from all parts of the world.

President Gomez welcomed the group and reminded us of compliance requirements with Anti-trust & Conflict of interest policies which he intended to follow.

There were seven SPE members/friends that had died since our last meeting. They were named and remembered with a moment of silence. These SPE friends/members were: Bill Bregar, Lew Ferguson, Gim Fong, Jack Fuller Jr, Dick Muhlenhalter, Nippani Rao and Fred Steil. All will be missed!

President Jaime Gomez gave an overview of the SPE year and how it was tracking against his strategic plan for the year and his theme of Sustainability. He felt that in spite of the pandemic which dramatically changed the way SPE and most of the world were doing things, that we were making progress in accomplishing our goals. He thanked the EB and the many volunteers, our hard-working team on staff and all involved with helping make it happen.

Incoming-President, Jason Lyons presented his ideas of where and how SPE needed to move going into 2021-2022 and gave a glimpse into the upcoming SPE year which will start on 01 July. He believes that there should be three themes for SPE to focus on: Credible Knowledge Sharing, Enhanced Reputation & Increased Engagement & Networking. By formally committing to each of these, he believes that SPE will once again begin to grow and return to a position of leadership in the technical community of Plastics Professionals.

Continued on next page...

COUNCILOR'S REPORT

A brief update was given on the financial position of SPE. 2020 closed very close to being a net zero year since the ANTEC expenses were avoided (having had to go “virtual”) and although there was no traditional ANTEC income, other income sources such as virtual ANTEC, on-line webinars and symposiums were able to bring in much needed revenue. No specific budget financials were shared for 2020. The 2021 budget was presented showing a projected revenue of \$3.67 million against anticipated expenses of \$3.68 million.

SPE CEO then gave his update on the operations supported by staff. Moving the ANTEC 2020 to a “virtual” event last year with only 3-weeks-notice was a major undertaking and in spite of some glitches, it was able to be done and resulted in what many said was a remarkable event! Instead of cancelling ANTEC 2020, all presentations were done over the internet and every speaker that had planned to present in person in San Antonio, TX, ended up giving their presentations electronically. On-line attendance was strong throughout the multi-week event and when over, was judged to be a good event considering what needed to be done under the veil of the global pandemic.

One last Council presentation was given by Scott Eastman on a proposal to set up a new way to gather SPE members and others interested in what SPE has to offer. Making use of the website he is proposing “Communities” to gather around some topic of interest. There is no limit to these communities or topics and they can easily be set up or be allowed to fade away. He also proposed Interest Groups for a more organized group who wanted to formalize their activities and gather to accomplish some defined goal. These interest groups would not be as formal as the Sections or Divisions that now exist and could easily be established and exist as long as there was interest. These groups would provide a forum for gathering around some topic of interest and allow networking and collaboration among members. More details on this topic will be presented as they become available.

Continued on next page...

COUNCILOR'S REPORT

Pat Farrey gave some information on final items related to ANTEC proceedings, the move from the Chain to Communities (including Chapter Forums) the awards programs, PE magazine and the Foundation PlastiVideos.

Finally Past-President Brian Landes reviewed the annual EB elections process. Nominations would close the day after this Council meeting and elections will be held after a "Meet the Candidates" session after our next Council meeting in March.

This short meeting was then closed at the end of an hour.

Respectfully submitted,
Len Czuba
MPD Councilor

MPD Sponsors

We would like to thank our generous sponsors for supporting our “Medical Plastics in Manufacturing: The Virtual Edition” virtual conference.

GOLD SPONSORS



SILVER SPONSORS



Newsletter Suggestions? Want to Advertise?

Please email: **Vijay Kudchadkar**
vijay.Kudchadkar@westfall-Technik.com

MPD SPONSORSHIP OPPORTUNITIES



SOCIETY OF PLASTICS ENGINEERS – MEDICAL PLASTICS DIVISION

About Us - The Medical Plastics

Division exists to encourage the interchange of technical and regulatory information on the polymer materials/components used in medical devices and in device containers among the scientists and engineers who are working in medical device and related industries.

With over several hundred members and webinars, newsletters, and conferences arranged every year, MPD allows sponsors a unique opportunity to establish deep connections within the plastics community.

MPD NEWSLETTER SPONSORSHIP OPPORTUNITY

Be a sponsor on our Award-winning Division Newsletter! Below are the prices and sizes available for purchase. Do not miss this rare opportunity to have your company seen by thousands of readers every year!

Full page - \$1500

Half page - \$850

Quarter Page - \$450

Eighth Page - \$250

The newsletter, as scheduled, is prepared and circulated four times per year. Every MPD member receives a copy emailed directly to their listed address. Additional copies are also circulated via the Chain and broader social media (LinkedIn, Twitter) in our continuing effort to reach new and prospective members and other interested individuals.

Follow us on our social media platforms to stay up to date on the latest medical plastics news!

- [SPE - Medical Plastics Division Micro Website](#)
- [SPE - Medical Plastics Division - LinkedIn](#)
- [SPE - Medical Plastics Division - Twitter](#)

BENEFITS OF BEING A SPONSOR:

INSTANT MARKET ATTENTION FROM HUNDREDS OF MEMBERS

LOGO AND AD PLACEMENT ON NEWSLETTERS, WEBINARS, AND CONFERENCES

ACCESS TO MPD BOARD AND QUARTERLY UPDATES

SOCIAL MEDIA POSTS

FOR SPONSORSHIP PLEASE CONTACT

Louis Somlai
somlai_louis@lilly.com

TREASURER'S REPORT



TREASURER'S REPORT – Bhavin Shah



SPE MPD Q1 2021 TREASURER'S REPORT

Financial Report for the Period:	Dec 1, 2020 - Feb 28, 2021
Section/Division Name:	Medical Plastics D36
Balance as of Dec 1, 2020	\$ 36,479.34
Income	
N/A	N/A
Total Income	\$ 0.00
Expenses	
N/A	N/A
Total Expenses	\$ 0.00
Ending Balance as of Feb 28, 2021	\$ 36,479.34

Do you have questions about the Treasurer Report?

Please email Bhavin Shah
shah@tepha.com

SPE MPD WEBINARS

The Medical Plastics Division and Webinar Team plans to host a series of webinars during 2021, with a goal of at least three to four. Some of the topics in consideration include: Advances in Medical Tubing Materials, Drug Delivery and Implantable Materials, Materials for Excipient Release, Relevant Changes in Regulatory Directives, Biodegradable & Resorbable Polymers in Med Device, Best Practices for Introduction of New Polymers in Med Device, Speed to Market through Improved Development, and Advances in Friction Reducing Materials. We are even considering a series on project management.

We welcome your interest to participate, as well as suggestions for topics and/or speakers. Please contact the MPD Webinar team:

Pierre Moulinié (pierre.moulinie@covestro.com),

Victoria Nawaby (nawabyv@hotmail.com)

Ned LeMaster (ned.e.lemaster@dupont.com)



Upcoming Events



ANTEC® 2021

ANTEC® Industry Insights

May 5-7, 2021

Kicking off ANTEC® 2021, must-hear plastics leaders will share their valuable **industry insights**.

Join us for this two-day event via SPE's exclusive live-streaming service to your remote location.

Program includes:

A View From the Top: Industry Perspectives from Plastics Industry Leaders — Monday AM

Hear industry executives give their perspective on the state of our industry. Last year's speakers included [Dow CEO Jim Fitterling and Barry CEO Tom Salmon](#).

Plastics & The Environment: It's Not Just Bags, Bottles and Straws — Monday PM

Emerging Plastics Technologies: What Are the Next Big Things on the Plastics Horizon — Tuesday AM

ANTEC® Classic

May 10-21, 2021

ANTEC® Classic, slated for May 10 to May 21, will offer real-time, remote presentations occurring over 10-days with 20 technical tracks. Additionally, it will include International Spotlights with real-time global presentations broadcast online from various regions around the world, including Asia, India, Australia/New Zealand, Europe, and the Middle East. Dates for International Spotlights will be forthcoming.

Hear from the industry's top researchers as they discuss their latest findings. In the traditional ANTEC® format, 200+ papers across a wide variety of topics will be presented. Watch the presentations real-time, with Q&A after each presentation, or watch the recorded sessions on-demand on your schedule.

For more details, please visit:

[Antec 2021](#)



Virtual Technical Forum & Networking Event

As Members of the Medical Plastics Division, you are welcome to join the MPD Board of Directors for an informal meeting to chat, catch-up and network. We will kick off the meeting with a presentation from an invited speaker, followed by a “half-hour social”.

For more details please email:
[Louis Somlai](#) or [Pierre Moulinie](#)

1st Wednesday of the Month

5-6 PM EST

5:00-5:30PM

Invited Speaker /
Technical Seminar

5:30-6:00PM

Networking (topical break
out rooms lead by BoD
members)

The SPE Medical Plastics Division is happy to announce



MiniTec 2021

Anaheim, CA • August 10, 2021

Presented by SPE Medical Plastics Division

“Medical Plastics to Help Save the World”

To be a **LIVE In-Person event** within the
MD&M Conference Program



Anaheim Convention Center

800 West Katella Avenue

Anaheim, CA 92802-3415

For More information, please visit

<https://mpd.4spe.org/event>

Organizers

Ned LeMaster ned.e.lemaster@dupont.com

Len Czuba LCzuba@CzubaEnterprises.com