Dear PAD Members

Happy Spring! This is always an enjoyable time of year. In many parts of the USA, the cold of winter is yielding to the comfortable temperatures of spring. It’s also the time when many of us who are involved in some way in the plastics industry are planning on attending ANTEC.

From a professional standpoint, the ANTEC conference is one of the best benefits our membership in SPE. It is the premier conference for the plastics industry and gives us a chance to see the developments that are occurring in materials, machinery, and instrumentation. It is a great way to network with other professionals as well. In the past few years, there have been additional ANTEC’s, not just the one in the US, so these opportunities have been extended to our colleagues in other parts of the world to make use of their SPE membership benefits.

This year’s US ANTEC will be held in the centrally located city of Indianapolis from May 23 through May 25. Given the timing of ANTEC, you might be able to see some of the big time racers who are in Indianapolis for the Indy 500. Indianapolis should be an exciting town when we are holding ANTEC, so please try to attend. PAD will have 3 excellent sessions. Thanks to Joel Lischefski for chairing the Technical Committee and to all those who submitted papers for ANTEC. The papers are what makes this such a great conference.

If you are at ANTEC, please feel free to stay for our annual Board meeting. At this meeting, I will pass the chairmanship to Joel Lischefski. I am grateful for the support I have had as PAD Chair for the last few years and am confident that Joel will raise our performance level to new heights. I appreciate Joel’s willingness to serve the PAD members in this role.

Enjoy the comfortable spring weather, and plan to attend ANTEC and learn how to make full use of your SPE membership. If you go to the SPE website, www.4spe.org, you will see even more opportunities to have your membership provide you with numerous benefits that will help your technical knowledge and your career.

Thanks everyone
Greg Kamykowski
PAD Chair
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Company</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Chair</td>
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<td><a href="mailto:gkamykowski@tainstruments.com">gkamykowski@tainstruments.com</a></td>
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<tr>
<td>Feina Cao</td>
<td>Member</td>
<td></td>
<td><a href="mailto:caofeina@hotmail.com">caofeina@hotmail.com</a></td>
</tr>
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<td>Sanjiv Bhatt</td>
<td>Past Chair</td>
<td>Enetgris</td>
<td><a href="mailto:sanjiv_bhatt@entegris.com">sanjiv_bhatt@entegris.com</a></td>
</tr>
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<td>Kevin Menard</td>
<td>Communication Chair</td>
<td>PerkinElmer LSAS</td>
<td><a href="mailto:kevin.menard@perkinelmer.com">kevin.menard@perkinelmer.com</a></td>
</tr>
<tr>
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<td>Treasurer</td>
<td>LyondellBasell Industries</td>
<td><a href="mailto:vassilios.galiatsatos@equistarchem.com">vassilios.galiatsatos@equistarchem.com</a></td>
</tr>
<tr>
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<td>Teel Plastics</td>
<td><a href="mailto:jlischeski@teel.com">jlischeski@teel.com</a></td>
</tr>
<tr>
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<td>Newspaper Asst. Editor</td>
<td>Ethicon Inc. (Johnson &amp; Johnson)</td>
<td><a href="mailto:cliu26@its.jnj.com">cliu26@its.jnj.com</a></td>
</tr>
<tr>
<td>Ida Chen</td>
<td>TPC</td>
<td>Dow</td>
<td><a href="mailto:chen2c7ab2@dow.com">chen2c7ab2@dow.com</a></td>
</tr>
<tr>
<td>Alexandria Niemoeller</td>
<td>Member</td>
<td>TA Instruments</td>
<td><a href="mailto:LNiemoeller@tainstruments.com">LNiemoeller@tainstruments.com</a></td>
</tr>
<tr>
<td>David W. Riley</td>
<td>Membership Chair</td>
<td>Extrusion Engineers</td>
<td><a href="mailto:drdriley@aol.com">drdriley@aol.com</a></td>
</tr>
</tbody>
</table>

From the Editor

Note our webpage address has changed: please note it is now at:

http://www.4spe.org/technical-groups/divisions/polymer-analysis

We also have a group on Linked In called the Polymer Analysis Division, SPE. Please note that due to spamming, we will not be approving members without contacts or photos. Also if you have time constraints on your promotions, please email me directly to make sure it gets approved in time.

KPM
Treasurer's Report
V. Galiatsatos, PAD Treasurer

Below is the activity of our account since the last newsletter:
Starting balance: $26,219.62

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Amount</th>
<th>Balance</th>
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<tbody>
<tr>
<td>11/30/15</td>
<td>Interest</td>
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<td>02/29/16</td>
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No expenses were recorded during this period.

Submitted on March 9, 2016
<table>
<thead>
<tr>
<th>Session</th>
<th>Day</th>
<th>Time</th>
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<th>Title</th>
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<tbody>
<tr>
<td>Tuesday AM</td>
<td>5/24/2016</td>
<td>8:00</td>
<td>211</td>
<td>Improved Model of Thermal Diffusivity for Semicrystalline Polymers as a Function of Temperature, Temperature Gradients, Cooling Rate, and Injection Molding</td>
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<tr>
<td></td>
<td>5/24/2016</td>
<td>8:30</td>
<td>177</td>
<td>Blends Characterized by Thermal Analysis</td>
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<tr>
<td></td>
<td>5/24/2016</td>
<td>9:00</td>
<td>448</td>
<td>The Role of Additives and Free Volume on the Gas Barrier Properties of PET</td>
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<td></td>
<td>5/24/2016</td>
<td>9:30</td>
<td>282</td>
<td>The effect of ozone ageing on the chemical, physical, and barrier Properties of Packaging Films</td>
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<td>5/24/2016</td>
<td>10:00</td>
<td>374</td>
<td>Effect of Silica Filler Concentration on the Mechanical and Diffusion Properties of Commercial Gasoline Through Polyether-Polyurethanes</td>
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<td>Session</td>
<td>Day</td>
<td>Time</td>
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<tr>
<td></td>
<td>Tuesday PM</td>
<td></td>
<td></td>
<td><strong>Modelling and Innovative Methods</strong></td>
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<tr>
<td>5/24/2016</td>
<td>1:30</td>
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<td></td>
<td>Modeling and Simulation of the Foaming Process in Elastomers</td>
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<tr>
<td>5/24/2016</td>
<td>2:00</td>
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<td>Time Temperature Superposition of Short Term Stress Relaxation Behavior to Understand Retention of Material Modulus Over Time</td>
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<td>5/24/2016</td>
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<td></td>
<td>Non-Destructive Characterization of Hygrothermally Aged Polymers</td>
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<tr>
<td>5/24/2016</td>
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<td></td>
<td>Capacitance to Digital Converter Method for Dielectrostriction of Polymeric Materials</td>
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<td>5/24/2016</td>
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<td>Ultrasonic Measurement of Particle Concentration in Polystyrene/Glass Beads Composites by a Differential Scheme</td>
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<tr>
<td>5/24/2016</td>
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<td></td>
<td>Understanding Reaction Products of Polyethylene-Acrylic Acid Dispersions with Calcium Chloride</td>
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<tr>
<td></td>
<td>Wednesday AM</td>
<td></td>
<td></td>
<td><strong>Spectroscopy</strong></td>
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<td>5/25/2016</td>
<td>8:00</td>
<td>255</td>
<td></td>
<td>Determination of the Compositions of Fully Biodegradable Ternary Blends with Near-Infrared Spectroscopy</td>
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<tr>
<td>5/25/2016</td>
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<td>Rapid Spectral Measurement of the Mechanical Properties of Polypropylene Recovered from Shredded End of Life Vehicles</td>
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<td>5/25/2016</td>
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<td>Molecular Weight Analysis of Polyethylenimine using Dynamic Light Scattering Detector</td>
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<tr>
<td>5/25/2016</td>
<td>9:30</td>
<td>457</td>
<td></td>
<td>Surface Mechanicals and Microscopy Methodologies for Coating Characterization</td>
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</tbody>
</table>
Commerical Papers at Antec

Recently SPE has announced that it is beginning an initiative to encourage commercial papers to be solicited and presented at ANTEC. The initiative is aimed at providing technical oriented talks that present the latest innovations in polymer technology from companies. The talks are intended to present new applications or show new technologies that are supported by data rather than simple sales pitches. These commercial papers would be presented in a separate session from the normal technical program and would not require a paper to be submitted for review. It is expected, however, that the presentation itself would be submitted and be made available to the attendees of ANTEC like the papers.

A decision has not yet been made on how the commercial paper presentation sessions will be organized (separately by division or as one larger group). They have just recently announced this change in strategy and will be using ANTEC 2016 as a pilot for a broader launch at ANTEC 2017.

If you have anyone that may be interested in providing a commercial presentation please get the word out and have them contact Joel Lischefski or Ida Chen

<table>
<thead>
<tr>
<th>Xue (Ida) Chen</th>
<th>Joel Lischefski</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical program chair</td>
<td>Technical Program Co-chair</td>
</tr>
<tr>
<td><a href="mailto:Chen2c7ab2@dow.com">Chen2c7ab2@dow.com</a></td>
<td><a href="mailto:jlischefski@teel.com">jlischefski@teel.com</a></td>
</tr>
</tbody>
</table>

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Fax: (+1) 781 272 5225
nlb-sales@netzsch.com

Differential Scanning Calorimetry (DSC) to investigate glass transition and melting behavior

Dynamic Mechanical Analysis (DMA) to characterize stiffness and damping behavior

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Free Webinars "DEA Analysis of Polymers – Basics & Application" and "DSC Analysis of Polymers – Basics & Application"
Register Now: [www.netzsch.com/n15060](http://www.netzsch.com/n15060)
Society of Plastics Engineers Membership Application

European Member Bureau
Eric Sasselelaan 51, BE-2020 Antwerpen, BELGIUM
Tel: +32 (0)3 541 7755 Fax: +32 (0)3 541 8425 www.spe-europe.org

Applicant Information

Name: __________________________
first name __________________________
last name __________________________

Company Name and Business Address (or College):
company/college: __________________________

job title: __________________________
address: __________________________
city: __________________________ state: __________________________
zip: __________________________ country: __________________________

Phone/Fax Format: USA & Canada: (xxx) xxx-xxxx All Others: +xx(x) x xxx xxxx
Work Phone: __________________________ Fax: __________________________

Email: used for society business only __________________________

Home Address:
address: __________________________
city: __________________________ state: __________________________
zip: __________________________ country: __________________________

Home Phone: __________________________

(✓) Preferred Mailing Address: Home Business

Payment Information

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☐ US ($125.00) ☐ US ($217.00)
☐ Canada ($145.00) ☐ Canada ($253.00)
☐ Euro** (€127.00) ☐ Euro** (€221.00)

New Member 2 Years *
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☐ Canada ($290.00) ☐ Canada ($506.00)
☐ Euro** (€254.00) ☐ Euro** (€442.00)

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☐ Canada ($93.00) ☐ Canada ($167.00)
☐ Euro** (€52.00) ☐ Euro** (€89.00)

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No Purchase Orders Accepted

signature __________________________ date __________________________

By signing below I agree to be governed by the Constitution and Bylaws of the Society and to promote the objectives of the Society. I certify that the statements made in the application are correct and I authorize SPE and its affiliates to use my phone, fax, address and email to contact me.

recommended by member (optional) __________________________

Id # __________________________

TOTAL __________________________

*Students must supply graduation date:

Membership Amount __________________________

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Additional Division(s)

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SPE membership is valid for twelve months from the month your application is processed.

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Layout in this issue by: Kevin Menard
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