

TPM&F

THERMOPLASTIC MATERIALS AND FOAMS DIVISION



Communications
Excellence Award



Pinnacle Award

TPM&F SCOPE

The Thermoplastic Materials and Foams Division is organized to provide a focal point for the interchange of information relating to non-vinyl thermoplastic resins including fluoropolymers, polyamides, polyesters, polyolefins, polystyrenes, polyurethanes, their filled and/or reinforced products, and their foamable and foamed products. Its interests lie in stimulating the development of scientific and engineering knowledge. By encouraging participation between producers and consumers, it aims to provide information on new developments which shall encompass synthesis, characterization, fabrication, safe handling, application, serviceability, and marketing.

CHAIRMAN'S MESSAGE

MAY 2014



During the SPE ANTEC® 2014 conference, that was held in Las Vegas, Nevada April 28-30, 2014, the Thermoplastics Materials and Foams Division has received two of the most prestigious awards for the Society of Plastic Engineering: the 2014 SPE GOLD PINNACLE AWARD and the 2014 SPE COMMUNICATIONS

EXCELLENCE AWARD. The Pinnacle Gold is awarded to those who, in addition to meeting Pinnacle Silver criteria, demonstrate superior performance in the Gold achievement categories. The Communications Excellence Award recognizes a full range of achievements in communications excellence in which our board has been recognized with the highest level: Communication Leader. Congratulations to all the divisions' members and board for this great achievement. I want to acknowledge the Board Members for their dedication and excellence in serving on the board and all the divisions' members for the continuous support and involvement to the division activities.

I would like to highlight the success of our division technical program during the SPE ANTEC® 2014 conference. We had five sessions including 30 technical papers in thermoplastics and foams themes. The sessions featured renowned speakers from academics and industries presenting technical papers on innovations in thermoplastics materials and foams and their research and development as well as industrial applications.

I invite you all for our upcoming events of the division: the annual FOAMS® 2014, 12th International Conference on Foam Materials & Technology on September 8-11, 2014 at Iselin, NJ USA. The FOAMS® 2014 conference is planned to

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The Society of Plastics Engineers
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CHAIRMAN'S MESSAGE

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address the advances in synthesis, characterization, and properties of polymer foams by leading foam researchers in industry and academia. This conference is the premier forum for sharing ideas and learning about new developments in foaming technologies due to the diversity of the attendees.

Finally, I invite all the members and non-members to join our division and its activities. We are continuing to grow our network of professionals and specialists in this field and we would always welcome your help, support and feedback to achieve our missions.

Best regards.
Hani Naguib
TPM&F Chairman



International Polyolefins Conference 2015 The Polyolefin Renaissance

February 22 - February 25, 2015
Hilton Houston North, Houston, Texas.

[CLICK HERE](#) to Register Online
or get a printed registration form to fax.

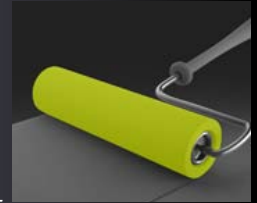
COMMUNICATION CHAIR REPORT

by Theresa Healy

April, 2014

COMMUNICATION CHAIR UPDATE:

SPE HQ has an updated website that has been launched along with a new logo. I find it much more user friendly. We are updating our division's information for the FOAMS® 2014 conference so that the proper forms get uploaded to this website. We are also revising our own TPM&F website with the promotion of the FOAMS® 2014 after the ANTEC®. That should be updated within the next few weeks. I will also be checking to make sure all the BOD members are correct on the website. If you see something that needs changing or updated, please send me an email or contact me so we can keep the site updated and fresh.



TPM&F WEBSITE — LINKED-IN:

Since our last meeting, we now have 537 members and some new interesting discussions taking place. It appears more people are joining in on technical discussions. Please feel free to utilize this site for promoting conferences, webinars, student activities, and technical discussions. This should be a learning and networking site. This site is checked daily for new members and to review discussions.

FOAMS® 2014:

At our last conference call, we have decided to allow the sponsors for the FOAMS® 2014 to provide a 5 minute talk/presentation on their products/and or services. To date, we have 3 Sponsors already signed up including a Gold Sponsor. I anticipate a good showing of both attendees and sponsors this year. Max offered a great suggestion of linking each sponsor's logo to their website or product link. This will be done on both the SPE site and our own TPM&F site. We will continue to promote this conference which takes place in NJ on September 10-11th.



www.SPETPMF.com

EDUCATION REPORT

TPM&F Board of Directors Meeting
April 27th, 2014

Objectives for 2014: The objectives remain as defined by the previous chairman (*Hani Naguib*).

- 1) Student Scholarships at ANTEC® and FOAMS® 2014
- 2) Webinar Series
- 3) Educational Outreach Initiatives

Progress since the February BOD Meeting:

DONNA DAVIS/ SOUTH TEXAS SECTION

Participated in local science fairs for several years now. They recruit judges who attend the science fairs, looking particularly for plastics related projects, and selecting “winners” for scholarship awards, ranging up to \$500. The awards are presented at the annual section awards event, with parents invited, etc.

PERRY VADHAR/ SOUTH CAROLINA

Perry's colleague trying to make students aware of Plastics Eng. program. Mentioned Plastivan and perhaps visiting Georgia Tech where our board member can help with the tour.

BRIAN GRADY/ OKLAHOMA SECTION

Very involved with the [Bartlesville Science Fair](#) (more information to come)

RAY PEARSON/ SOUTH CAROLINA

Participates in the Lehigh Valley Science and Engineering Fair every year. Section provides awards for the best plastics or polymer related presentations. The LV SPE is supporting both middle school students (6-8 grades) and high school students (9-12 grades) for \$100 for first place and second and 3rd places for \$50. We also supply judges for the fair.

SANDRA MCCLELLAND/ DETROIT SECTION

Sponsors ESD (Engineering Society of Detroit) for a project that is similar to a science fair: teams of students that build a future city. We sponsor for best use of plastics.

KEVIN CAVICCHI/ AKRON SECTION

Participates in the Akron Public Schools Science Fair in January each year. We send a representative to select poster with a plastics focus for special judging for an Akron SPE award. We typically give \$50 to the top high school and middle school projects.

OSCAR GARCIA/ LOWER RIO GRANDE VALLEY

Only individual participation in science fair. No SPE support. Student mentoring from professionals would be helpful to improve the quality of the projects.

KAREN RHODES-PARKER/ SPE DETROIT SECTION

Materials auction on March 28th to fund student activities and scholarship.

1) Educational Outreach Initiatives

The TPM&F BOD should decide on which new educational activities (*scholarship, awards, participation in science fairs, school visits by SPE professionals etc.*) we could fund in 2014/2015. Below are suggestions collected over the past few months.

My recommendation for this first year would be to sponsor several small awards (\$50 to \$100) for existing *science fairs*, (e.g. “best use of plastics or foams”) or to arrange one [Plastivan](#) event in one section where TPM&F has a strong presence. Other suggestions welcome.

2) Student Scholarship

ANTEC® 2014: as a platinum sponsor of ANTEC® Student Activities Committee, the TPM&F division has invitations for the Student luncheon (Wednesday, April 30th at 12:30). 4 tickets are still available for BOD members. Please inform Stéphane or Hani if you are interested in participating.

FOAMS® 2014: we are still planning on 2 scholarships for \$500 (*incl. the “Mike Reedy” scholarship funded by Reedy International*).

3) Webinar Series.

3-PART WEBINAR ON FOAMS

(to be scheduled in June-August 2014):

Part 1: Miguel Rodriguez-Perez – “Cellular Nanocomposites”

Part 2: Hani Naguib – “Bio and Sustainable Foams”

Part 3: Stéphane Costeux – “Nanocellular Foams”

Over the 6 weeks, the timing for the presentations will be decided with Scott Marko (SPE). All the info (abstract / bios) have already been compiled.

Stéphane Costeux
TPM&F Division Secretary

ANTEC®2014 was held in Las Vegas this year and was a great success for the TPMF Division and SPE as a whole. The TPM&F Division received two of the most prestigious awards: the 2014 SPE Gold Pinnacle Award and the 2014 SPE Communications Excellence Award. Our Division scheduled 22 papers in five sessions ranging from such diverse topics as foams, foams processing, nanocellular foams, and biodegradable foams. Jon Ratzlaff, President of SPE, is the man on the right presenting the awards.



TPM&F Division Received Gold Pinnacle Award and Communication Leader Award (Hani Receiving Award)



Prof. Ohshmia accepting his Fellow Award



Perry Vadhar accepting his Honored Service Member Award

SPE ANTEC® 2014

Rio All-Suite Hotel & Casino
April 28-30, 2014
Las Vegas, Nevada, USA



Hani (right), on behalf of our TPM&F Division, accepts certificate appreciation for its support to Students.



Student luncheon --
TPM&F was a Platinum Sponsor



SPE Celebrates Banquet



FOAMS® 2014 TUTORIAL

FOAMS® 2014
Tutorial: September 8-9
Conference: September 10-11

ISELIN, NJ

Purpose & Review

This tutorial will provide practical information that will help you enhance your technical capability in foaming. It will help you develop new blowing agents to meet the growing challenges, design foam products that meet customer's needs, improve effectiveness of your foam R&D and processing projects. The attendee will also receive updated key references on plastic foams.

Who should attend?

This tutorial is intended for a range of companies and individuals involved in thermoplastic foam development, production, and applications: R&D scientists and engineers, formulation scientists, process engineers, quality engineers and application engineers from thermoplastic foam production and manufacturing companies. Chemists and chemical engineers involved in development of foaming grade resins and blowing agents. Foaming equipment manufacturing: design engineers, project engineers, and rheology specialists. Development engineers and research scientists working on new foam developments. Foam users and application specialists.

When and Where

Tutorial starts 1:30 PM Monday, September 8 and ends 5:30 PM Tuesday, September 9, 2014

Renaissance Woodbridge Hotel
515 US Highway 1 S
Iselin, NJ 08830-3010, United States
T: (732) 634-3600
F: (732) 634-0258

Hotel room reservations may be made at the special SPE rate of US\$159/night + taxes by calling: 1-800-468-3571 or by clicking here to [Book your group rate:](#)

Tutorial Outline

Sept 8 - Dr. S.T. Lee

1. Overall Review: thermoplastic and thermoset foams
2. Reactive Foaming: mechanisms and methods
3. Structures and Properties
4. Applications

Sept 9 - Prof. Chul B. Park

5. Design of Foam Structures
6. Foaming Agents
7. Fundamentals of Continuous Microcellular Foaming
8. Control of Cell Nucleation
9. Control of Foam Density

Sept 9 - Prof. Hani E. Naguib

10. Biofoams: processing, properties, and applications
11. Nanocomposite Foams: processing, properties, and applications
12. Sustainable Foams: processing, properties, and applications

Rate applies for single or double occupancy.
Cancellation policy is before 72 hours of arrival date or one night room and tax will be charged.
Check-in time is 4:00pm and after.
Check-out time is by 12 noon.

To register: Visit <http://www.4spe.org/foams2014>

About the instructors



Dr. S. T. Lee

S. T. Lee received his Ph.D. from Stevens Institute of

Technology, and joined Sealed Air Corp. in foam research, foam product/process and technology development as Development Engineer, R&D Director, and is presently the foam technology expert. He has over 100 publications, including 27 patents. He was elected to Fellow by SPE in 2001. He was inducted to Sealed Air's inventor Hall of Fame in 2003. He authored and edited 4 foam books published by Technomic and CRC Press. At present, he serves as Foam Series Editor for Taylor and Francis, Co-Editor-In-Chief for Journal of Cellular Plastics, and is the principle editor for Foam Update.



Prof. Chul B. Park

Chul Park received his Ph.D. from MIT in 1993. He is a Professor and a

holder of Tier I Canada Research as Chair in Microcellular Plastics at University of Toronto. He is also the Founder and Director of the Microcellular Plastics Manufacturing Laboratory, which enjoy the reputation of being one of the pioneering research institutions in refining

various foaming technologies.

He has also established the Centre for Industrial Application of Microcellular Plastics with \$9M pilot-scale and industry-scale equipment in refining various foaming technologies. As a Fellow of Royal Society of Canada, SPE, and 5 other professional societies, he is an

accomplished scientist with international recognition in the field of plastic foaming. Professor Park is the author or co-author of over 800 publications including 25 patents and 240 journal papers. He is Editor-in-Chief of the Journal of Cellular Plastics and serves as an advisory editorial board member of Cellular Polymers, Advances in Polymer Technology and International Polymer Processing. He has been organizing the Foam Symposiums at PPS and served on FOAMS TopCon(2006), ANTEC® TPM&F(2008 & 2009) as Technical Program Chair, and as Conference Co-Chairman for Biofoams(2007 & 2011). Chul was Chairman for Biofoams (2009 & 2013) and Chairman of the PPS Americas Conference (2012).



Prof. Hani Naguib

Hani E. Naguib is a Professor at the University of Toronto and holder of a

Tutorial Content

- How to apply scientific principles to improve the existing foaming technologies
- The chemical, rheological and mechanical aspects of foam extrusion
- Microcellular foam evolution
- Strengths and weaknesses of thermoplastic foam products
- State-of-the-art foaming technologies

Canada Research Chair in Smart and Functional Materials. His major expertise is in the area of multifunctional and adaptive polymer and foams including active polymers; sustainable polymers; biopolymers; nanocomposites and hybrids. He has many refereed publications, scholarly addresses, and seminars to date in the field. Hani is the recipient of numerous honours and awards such as the Canada Research Chair, the Premier's Early Research Award of Ontario, and the Canada Foundation of Innovation. He is a Professional Engineer in Canada, a Chartered Engineer in the United Kingdom, a Fellow of the Institute of Materials Minerals and Mining IOM3 in United Kingdom and Fellow of the Canadian Society of Mechanical Engineers, with other professional engineering affiliations. Hani procured his Ph.D. in Mechanical Engineering from the University of Toronto in 2001.



FOAMS[®] 2014

FOAMS[®] 2014

Tutorial: September 8-9
Conference: September 10-11

ISELIN, NJ

12TH INTERNATIONAL CONFERENCE ON FOAM MATERIALS & TECHNOLOGY

The polymer foam industry is continuing solid growth; US demand alone in terms of pounds per year is expected to grow 4% annually through 2017. New materials, processes, equipment, and foaming agents are continually being developed for foam applications.

The FOAMS[®] 2014 Conference will address these and other current developments in a collection of presentations by leading researchers from industry and academia. It will feature world-renowned speakers presenting technical papers on innovations in foam processing, state-of-the-art foaming materials, nano-cellular foam technology, and environmentally friendly foams. The FOAMS[®] 2014 Conference, which will be held September 10-11, 2014 in Iselin, New Jersey, USA is the premier forum for discussions and presentations on developments in new foams and foaming technologies.

FOAMS[®] 2014

Co-Sponsored by:
The Palisades-New Jersey Section
and TPM&F Division

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Sessions are anticipated to be: Polymer Foam Sustainability; Foaming Technologies; New Materials, New Properties; and Applications. More than 20 technical presentation and three keynote/plenary speakers are planned. A poster session for graduate student papers will also be held. New activities this year are:

- ◆ Q&A Panel Discussion on the Future of Polymer Foams
- ◆ Commercial Technology Forum

The tutorial on September 8-9 offers practical information on the development of new blowing agents, design of foam products, and basic technical background on foaming polymers. Taught by three experts in foam technology, The tutorial is a must for new entrants to polymeric foaming, and for individuals seeking a strong technical understanding of the foaming process.

Openings are available for tabletop exhibitors and other sponsorships where you can promote your products and services throughout the conference, including an evening exhibitors' reception. For complete information, including pricing and benefits, visit the FOAMS[®] 2014 website.

[click here for more info or to register](#)





FOAMS® 2014 – 12TH International Conference on Foam Materials & Technology
FOAMS® 2014 Conference: September 10-11, 2014 – Tutorial: September 8-9, 2014
Co-Sponsored by the Palisades-New Jersey Section & TPM&F Division of Society of Plastics Engineers

Renaissance Woodbridge Hotel · 515 US Highway 1 South, Iselin, New Jersey, 08830 USA · Tel: 1-732-634-3600
 Book your \$159.00 USD per night room rate: [click this link](#) or mention SPE-FOAMS Conference 2014

EXHIBITOR/SPONSORSHIP REGISTRATION FORM

Contact/Attendee: _____ Company: _____
 Street Address: _____
 City/State/Zip: _____ Phone # () _____
 Fax #() _____ Email Address: *(please print legibly)* _____

- I wish to be a **Gold Sponsor** for \$2,000.00 *(Includes tabletop, one free registration, reception, company logo on poster, submission logo on website, incorporation of logo in two "Plastics Engineering" ads, announcement of Gold Sponsorship during conference, and submission of literature to attendees during registration process)*
- I wish to be a **Coffee Break Sponsor** for \$1,500.00 *(Includes one free registration, tabletop, reception, announcement of sponsorship during coffee break, company logo on poster and website, and incorporation of logo in two "Plastics Engineering" ads).*
- I wish to be an **Exhibitor Sponsor** for \$1,200.00 *(Includes a tabletop, one free registration, reception, company logo on poster and website, and incorporation of logo in two "Plastics Engineering" ads).*

* Each sponsor will be slotted a 5-minute PowerPoint presentation on the technology their company is exhibiting as part of the new "Sponsors' Commercial Technology Forum" on the 1st day of the Conference so that the delegates and sponsors may have meaningful technical dialogue during breaks located in the exhibit area. Please submit your presentation to TPC Ajit Ranade ajit.ranade@sonoco.com by Aug. 29th for downloading.

Please charge my Credit Card \$ _____ Enclosed is my Check for \$ _____
 Card # (Amex/Visa/MC) _____
 Exp. Date: ____ / ____

Authorized Signature: _____ Date: ____ / ____ / ____

Confirmation of Registration will be emailed once received. Set-up information will be emailed 2 weeks prior to the FOAMS® 2014 Conference.

Questions about Exhibiting/Sponsorship? Email: Theresa Healy, Reedy International Corp. at thealy@reedyintl.com
 Tel: 1-732-264-1777 Fax: 1-732-264-1189 or
 Sal Monte at sjmonte@4kenrich.com Tel: 1-201-823-9000 Fax: 1-201-823-0691

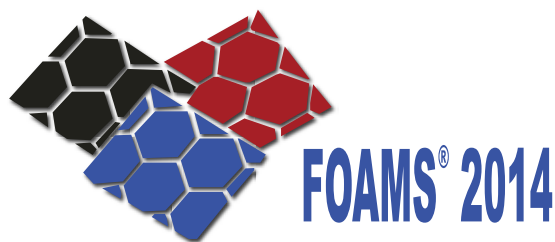
Questions about Registration?
 SPE Customer Relations, Society of Plastics Engineers, 13 Church Hill Rd., Newtown, CT 06470 or Phone: 1-203-740-5403
 Fax: 1-203-740-8490 Email: conferences@4spe.org

Questions about the Conference?
 Dr. Maxwell Wingert, Procter & Gamble at mw4spe@yahoo.com Tel: 1-513-634-2832

All FOAMS® 2014 Conference Exhibitor / Sponsorship Registrations must be made on/before August 23RD, 2014

Mail Registration Form & Check *(make check out to: FOAMS® 2014 Conference Sponsorship)* to:
 Theresa Healy, Reedy International Corporation, 25 E. Front Street, Keyport, NJ 07735
 – Or –
 Fax/Email Exhibitor/Sponsor Registration Form & Credit Card payment to: Fax: +1-732-264-1189/ thealy@reedyintl.com

Additional FOAMS® 2014 Information & Conference Registration can be obtained via:
 SPE Website: www.4spe.org



FOAMS®2014 Tutorial
September 8-9
FOAMS®2014 Conference
September 10-11

STUDENT POSTER SESSION

Renaissance Woodbridge Hotel • Iselin, New Jersey, USA (732) 634-3600

Are you a graduate or undergraduate student doing research that relates to polymer foam?

If so, enter the FOAMS® 2014 student poster session on Sept. 10 and you'll receive:

1. **Free admission** to the conference
2. A chance to win Best Poster Awards that will be presented on Day 2 (Sept. 11)
\$350 for the first place and **\$150** for the second place
3. Opportunities to network with peers and experts in the field of foams and gain new ideas

HOW TO PARTICIPATE:

- Submit list of authors, title of poster, and 100-200 word abstract by **July 11** to Changchun Zeng at czeng@fsu.edu (you will receive an email from Changchun concerning poster mounting details)
- Create a poster that will fit in a 48" wide by 36" tall space
- Print your poster and bring it to the first day of the conference (Sept. 10)

Questions? Contact Changchun Zeng at czeng@fsu.edu



COUNCILOR'S REPORT



The Spring Council Meeting was held in Las Vegas on April 26 and 27, 2014. Here are some of the highlights from the meeting.

The following positions were stated as assumed through successive rotation. These are: President-elect Vijay Boolani automatically advances to become President. Current President Jon Ratzlaff automatically moves to Past President. Past President Jim Griffing will move off the Committee. Raed Al-Zu'bi's one-year term as Senior Vice President will complete at ANTEC®2014 and he has chosen not to run for office this year.

New Website

SPE has launched a new website. The site allows members to easily edit their profile. The new site allows searching over 150,000 technical papers. SPE wants the Divisions to create their own microsites and that can be easily linked with the SPE's main website. The cost for a microsite was estimated around \$3500 or more.

Plastics Engineering magazine is now managed by Wiley. It has become a good source of revenue for SPE. The app for smartphones is available for viewing and searching. Technical papers as far as year 2000 are archived.

Membership

SPE current membership is around 13,500 members. By looking at the demographics, we have more senior members. Less than 2% of the membership is under age of 34. A majority of the student members do not renew their membership once they join workforce. The SPE current membership is also male oriented. International membership is going up and it is about 25% of the current total membership. There was a proposal to make a virtual member in regions where SPE is not present or active. More information will be shared in a future meeting.

ANTEC®

ANTEC® 2014 committee raised about \$19,000 for supporting various student activities. This year's sponsorship amount was almost half from the previous year. This was mainly due to the late start in fund raising. This time there were three student podium sessions and 89 student posters. SPE has continued to offer support to students needing assistance for traveling. The amount is \$150 for domestic travel and \$250 for international travel. Future ANTEC® locations were announced. These are 2015 in Orlando (with NPE), 2016 in Indianapolis and 2017 in Anaheim.

Financial

SPE financial position is sound. They have about \$248,000 in cash. The first quarter of 2014 was over budget. Please note the surplus is "prior to paying" all the expenses for ANTEC® 2014. The development and implementation of new SPE website was around \$125,000. There are additional expenses coming up in the year from launch of some educational and information videos on the website.

SPE financial audit report of 2013 has recommended following:

- ◆ Book royalties for publication in the year it belongs.
- ◆ Restricted fund assets vs. investments. Investigation is going back to year 2008.
- ◆ Management fees from Foundation to SPE is too low, that needs to be reviewed.

Best practice for treasurer position were discussed and the following recommendations were made:

- ◆ Obtain two copies of financial statement. Second one goes to another board member.
- ◆ Two signatories required, the second person is a backup treasurer and also helps with training the future treasurer.
- ◆ This will allow for better fiduciary control.

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THERMOPLASTIC MATERIALS AND FOAMS DIVISION BOARD MEETING MINUTES

Meeting Date: April 27, 2014

Location: Rio All-Suites Hotel & Convention Center, Room Coco B, Las Vegas, Nevada, USA

ATTENDANCE

Attending the BOD meeting in person: Hani Naguib, Ananda Chatterjee, Stephane Costeux
Hani Naguib, Ananda Chatterjee, Stephane Costeux, Dale Grove, Masahiro Ohsima, Vipin Kumar, Raymond Shute, Perry Vadhar, Xiaoxi Wang, Gary Wilkes, Donna Davis, N. S. Ramesh; **Joined by phone:** Max Wingert.

Chairman Hani Naguib called the meeting to order at 16:15 PDT (late due to technical difficulties with telephone and audio-visual equipment).

CHAIR REPORT — HANI NAGUIB

Announcements:

PERSONAL AWARDS

Achievement Award to Perry Vadhar
Fellowship to Prof. Ohsima

DIVISION AWARD

Communication Award given to TPM&F
Division from SPE – highest level award

BOARD COMPOSITION

Open positions on board: Chair Elect
Dale Grove raised possible by-law modification regarding officers like designated TPC not being voted back to board – no formal proposal or motion; discussion tabled for future.

Additional Announcement: TPM&F Reception @ Tuesday April 29, 2014 05:30 to 07:00 PM. FOAMS® 2014 – Call for Papers deadline is May 15, 2014. Perry Vadhar will receive achievement award at FOAMS® 2014

SECRETARY'S REPORT — LUKAS STIRNEMANN

Approval of minutes from Feb 27, 2014 BOD meeting
Dale Grove motioned to accept, Raymond Shute seconded; no questions; passed.

PO 2014 TOPCON REPORT — ANDY CHATTERJEE/DONNA DAVIS.

Polyolefins 2014 was held in Houston during last week of February 2014 “Big Success.” Attendance increase over previous year. TPM&F revenue share not yet officially reported but expected to be about \$12,000. Sessions were generally well attended. Six papers presented in each of three TPM&F sponsored sessions. Session moderators were Andy Chatterjee, Donna Davis, & Gary Wilkes. TPM&F is providing two scholarship using monies from conference not from its base account; one to a Baylor University, another to the University of Houston.



PO 2015 PLANNING —

Three TPM&F sessions again. Schedule expected last week of February 2015. Evaluating proposal to shift one day forward: Move Tutorial to Monday rather than Sunday and start base meeting on Tuesday, and ending after Thursday morning session. Support for this concept mostly from sales related people. Not likely for 2015. Andy Chatterjee will be PO2015 Coordinator so additional moderators may be needed. Possible Session for “Licensing of Polyolefins”. Considerable discussion about possibly applying low cost PO Tutorial Session model for Foams Tutorial sessions as this may help future membership for TPM&F.

PO 2014 Tutorial was very successful with almost 300 attendees. Suggestion made that future TPM&F Foams Conferences consider adding lower cost “Tutorial Only” attendance option as this might allow sending technicians (such as those who typically attend PO Tutorial only). PO Fees have not been raised in several years. Most revenue comes from exhibitors. Suggestion made to consider raising PO Tutorial Only fee from \$25 to \$100.

Dale Grove interjected that SPE has raised its sensitivity towards needs of younger generation that want and use tutorials.

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MEETING MINUTES - CONTINUED

ANTEC® 2014 — DALE GROVE

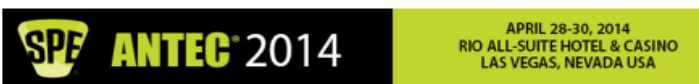
Lots of Negative Issues for finalizing the program
Final program not correct (TPM&F sessions change from two concurrent sessions on Wednesday Morning one to Tuesday afternoon extension)

Matrix meeting generated confusion

Preliminary Speakers – excessive changes

Paper Title Changes were very late so certificates were issued with titles from preliminary.

SPE Headquarters requested crackdown on copyright protection: statement in all sessions on copying slides and prohibiting photography and videography.



SPE Policy on Recording Presentations at Conferences (SPE Policy 031-Intellectual Property)

- All documents and information, in any form, provided to the membership or public by SPE, is owned by the Society or others.
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ANTEC®2015 — HANI NAGUIB

TPC will again be Dale Grove (*Dale Grove stated that he will do unless he gets voted off of the board*)

FOAMS®2014 REPORT — SAL MONTE, MAXWELL WINGERT, AJIT RANADE, CHUL PARK, THERESA HEALY

Max Wingert reported. Still looking for more papers
Only 10 Abstracts submitted so far. May need help with deadlines.

BEST PAPER AWARD — GARY WILKES

Preliminary paper review conducted by Gary Wilkes with a small team of non-board members, Papers identified as top five. No need for two separate award categories that was sometimes used in prior years: really only one thermoplastic material paper; other 24 deal with some aspect of foam. Will not issue two awards this year, but will maintain possibility for future years

FOAMS®2015 REPORT —MASAHIRO OHSHIMA

Will need to submit letter to SPE HQ for support. Need to get agreements in place. Society of Japan Society of Plastics Industry on board as Prof. Ohshima is chair. Sept. 2015 is target but may have to be moved slightly.

Prof Kumar

- ▶ Suggestion made but don't pick date yet due to possible conflict with other division activities
- ▶ Ask Perry Vadhar for help
- ▶ The 2nd week in September generally seems best
- ▶ Venue not decided yet; options near University of Kyoto or hotel near Kyoto. Barcelona model with student availability may be good model to follow for this.
- ▶ Foams Tutorial can be issued while presented in English in Kyoto, translators will be needed.

FOAMS®2016 - Back in United States.

Thought (not bought to motion) to have FOAMS® 2017 in India.

TREASURER'S REPORT — MAX WINGERT

AWARDS

\$2700 budgeted for awards/plaques. Spent \$0 fiscal year thus far. Three \$500 awards were budgeted, one for FOAMS® and two for ANTEC® (*one for Thermoplastics Material and one for Foams*).

EDUCATIONAL

\$1000 for scholarships & Technical transmissions, \$500 for webinar. Stéphane Costeux also stated need of \$6000 for Educational programs, \$2500 for student outreach, \$5000 for ANTEC® Student activities, noting reduced due to SPE Membership shrinkage.

Next Year should be done in advance.

DISCUSSION

- ▶ Do more for sponsors
- ▶ Science Fairs
- ▶ Sponsor Foams Tutorials for Students – partial or full share

COMMUNICATION CHAIR REPORT —

THERESA HEALY

Theresa not present for verbal discussion; Report submitted (*Editors' note: see page 3 of this newsletter*). Question raised about communication budget – Xia-oxi Wang indicated question should be deferred to Theresa Healy.

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MEETING MINUTES - CONTINUED

NEWSLETTER CHAIR REPORT — XIAOXI WANG

Question asked about budget for website – Answer: No specific budget but costs have generally been about \$100 per year Budget is mostly for Newsletter. Perry Vadhar reported about Link to New SPE Website Minimum \$3500 - may need to supply \$4000 for upgrade TPM&F link. Should be discussed in more detail next meeting.

Donna Davis raised issue about transition to New SPE Website. Suggest looking at Extrusion Division as example; they changed two weeks prior to this meeting. “Active website better than passive” - TPMF current is passive. Question: Sponsor for website = Sponsor for newsletter?

COUNCILOR'S REPORT — PERRY VADHAR

Reported on SPE Headquarters Dinner Discussion previous day.

1) New SPE Website

- ◆ You can edit your own data
- ◆ Search 150,000 papers
- ◆ Works much better than previous editions
- ◆ Microsites available for divisions
- ◆ Costs TBD
- ◆ Plastics Engineering Magazine
- ◆ Owned by Wiley
 - ❖ Revenue source to SPE
 - ❖ iPhone search capability
 - ❖ Technical papers back to 2000 (SPE back to ??)

2) Membership report

- ◆ ~13,500 members
- ◆ Membership aging quickly – mostly senior positions
 - ❖ <40 years of age 19%
 - ❖ <34 years of age 2%
 - ❖ Need new blood
- ◆ Students not becoming members despite lower entry fees.
- ◆ 75% North America – 25% rest of the world.
- ◆ Mostly males.

Hani Naguib raised question: *Do we have any statistics on demographics, male/female?*

Answer: SPE salary survey has data for overall organization; survey may also have data for Plastics Industry. Andy Chatterjee discussion added:

For younger membership: some programs to attract <35 years of age. Students looking for information. Suggest South Texas Section example:

- ❖ Very active working with 8 or 9 universities in the Houston area
- ❖ Section is paying ½ of student membership fee of \$15 per year
- ❖ Helps sponsor Student Chapter

Two interns sponsors

Next Generation Advisory Board

STAT: Currently only about 5% of students that finished school and <34 years of age become professional members

- ◆ SPE Headquarters will work with Divisions.
- ◆ 3) ANTEC® 2014 report
- ◆ ~\$19,000 funding less than last year
- ◆ Prizes 1, 2, 3 - 12 groups, 48 people
- ◆ Three student sessions
- ◆ 89 Posters
- ◆ Contributed \$150 towards student travel
 - ❖ Estimated 1500 attendees in Las Vegas
 - ❖ Future ANTEC®
 - ❖ 2015 Orlando (with NPE)

2016 Indianapolis

- ◆ 2017 Anaheim
- ◆ 4) General News
 - SPE finally back on track, had been running in Red
 - Cash on hand ~\$248,000
- ◆ Plastics Engineering now making about ~\$130,000 with Wiley
- ◆ New Website cost about \$125,000; needs \$45,000 in additions

“Videos are the way to go”

Note TPM&F has 87 student members.

Ray Shute added:

MIT, Purdue have no Student Chapters.

Suggest instituting \$250 award for best video on foam (not brought to motion)

EDUCATION CHAIR REPORT — STÉPHANE COSTEUX (see page 4 in this newsletter).

MEMBERSHIP CHAIR REPORT — AJIT RANADE

No report – no change

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TopCons

Organizing TopCons with SPE offers many advantages. This includes liability insurance as long as you work with by-laws of SPE.

SPE HQ will check and confirm no conflicts with other SPE events.

Sections/Divisions should not sign a contract with hotel until SPE has cleared it.

The event will be fully advertised if organized through SPE.

This year 88 student chapters were deactivated per SPE by-laws.

The Fall Council meeting will be held in New Orleans on Sept. 13 and 14.

Perry Vadhar
TPM&F Division Councilor

TPM&F BY-LAWS — RAY SHUTE

No responses on by-law changes after Polyolefins conference. Comment period extended to MAY 01, 2014. Dale Grove suggested by-laws change on officers losing seats.

HSM/FELLOWS NOMINATIONS — DONNA DAVIS
Honor Service Members open

OUTSTANDING ACHIEVEMENT AWARD CHAIR REPORT — VIPIN KUMAR

2014 Award to be awarded at FOAMS® 2014 to Prof. Chul Park

INTERNATIONAL ACTIVITIES REPORT — MIGUEL PEREZ AND LUKAS STIRNEMANN

No report.

NEW/OLD BUSINESS

OLD: Program for ANTEC®

NEXT BOARD MEETING

Sept. 09, 2014 in conjunction with Foams 2014 in New Jersey

Meeting adjourned — Motion made by Perry Vadhar,
Adjourned at 06:14 PM PDT- 9:34pm

Minutes recorded by Gary R. Wilkes



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