

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.



The Society of Plastics Engineers
6 Berkshire Blvd, Suite 306
Bethel, CT 06801
United States

CHAIRMAN'S MESSAGE

OCTOBER 2015



In this newsletter, I want to first recognize Professor Masahiro Ohshima contributions for the outstanding FOAMS® Conference that was put together by the Material Process Engineering Group of Kyoto University and co-hosted through the Japan Society of Polymer Processing, the Japan Sec-

tion of SPE, and the TPM&F Division of SPE. This profitable conference drew in 48 tutorial attendees and 153 total participants. In addition, Professor Ohshima's professional work was further recognized through his winning the Outstanding Achievement award this year. That was a job well done!

The two most important jobs of any Division are to promote and retain membership while developing the best possible technical conferences. Under the leadership of Anson Wong, we are actively promoting a Membership Contest and a Student Travel Award. The membership contest is a chance for active TPM&F members to earn extra money by bringing in new members. The TPM&F member that brings in the most new members will receive \$1000 from the TPM&F Division. Runner ups are eligible for a \$500 dollar award. Either award has minimum new membership number requirements. The Student Travel Award enables students to attend conferences that they would have otherwise missed for financial reasons. In addition to this student award, there are also a number of on-going Educational Awards and Best Paper Awards (*Ashu Sharma/Gary Wilkes*). Recently, Anindya Dutta and Abhishek Gandhi received the Michael Reedy Scholarship award, and the best ANTEC® paper went to Prof. Dr.-Ing- Christian Hopmann and Dipl.-Wirt.-Ing. Daniel Sander. I have attempted to personally contact every TPM&F member for retention purposes and for advice how to im-

continued on page 2

CHAIRMAN'S MESSAGE (CONTINUED)

prove membership and our conferences. If you have any desires, concerns, questions, comments, or suggestions, please let us know. Additional information on all of these activities and further contests may be found on our website which Theresa Healy maintains.

Stéphane Cousteux is leading our FOAMS® conference team. A decision has already been made to host the 2016 FOAMS® conference in Seattle. This committee has received a variety of feedback regarding what makes for a good conference from both an academia and professional perspective, and with that knowledge there will be more tours and hands-on demonstrations, better industrial speakers, and the ability for presenters to get citation credits.

Speaking of conferences, the next TPM&F joint Conference is the International Polyolefins Conference which takes place February 21-24, 2016 in Houston Texas. The paper deadline is December 15, while the student poster deadline is January 15. Anyone interested in helping that activity should contact Andy Chatterjee and Donna Davis. We hope to see you there!

Dale Grove
TPM&F Chairman

COUNCILOR'S REPORT



There is no new update from Spring 2015 Councilors meeting.

Fall Meeting will be held in Pittsburgh in PA, Oct. 10-11. This will be followed by the Blow Molding Conference at the same location, which I will attend.

Education Related Activities. Greenville Technical College in Greenville, SC will offer Plastics 101 course from Sept. 29, 2015. This will be offered for first time through the partnership with Polymer Excellence Center in Charlotte, NC.

My original plan to find a local instructor and offer one-semester course did not work out. Greenville Tech will consider based on success of this short course.

With Sealed Air HQ moving to Charlotte, North Carolina, its leadership has agreed to sponsor the Plastivan for Charlotte area high schools.

Perry Vadhar
TPM&F Councilor

BEST PAPER CHAIR REPORT – GARY WILKES

THE BEST PAPER AWARD FROM THE THERMOPLASTICS MATERIALS & FOAM DIVISION FOR FOAMS® 2015 WENT TO: A. FATHI AND V. ALTSTÄDT, Department of Polymer Engineering, University of Bayreuth, Universitätsstrasse 30, 95447 Bayreuth, Germany

Macro, Meso, And Microscale Compressive Response Of Polyethylene Terephthalate (PET) Strand Foams

ABSTRACT:

PET foams are a relatively new class of sandwich core materials with attractive economical and environmental characteristics. The majority of commercially available PET foams are processed through a complex extrusion technique, which results in a unique multi-scale structure with visual similarities to a honeycomb. These types of foams are referred to as “strand foams”. In this paper, compression properties of PET strand foams are studied with a focus on their correlations to the foam morphology. The mechanical tests are performed at different length scales using different in-situ equipment. It was found that the specific foam morphology results in an anisotropic response (*similar to honeycombs and wood*) with much higher out-of-plane stiffness and strength. In-situ SEM compression showed that the out-of-plane response is controlled by axial compression and local plastic buckling of cells walls, whereas in-plane loading is dominated by bending of the cell walls followed by yielding and formation of plastic hinges.



BOARD OF DIRECTORS LISTING

Ananda (Andy) Chatterjee (2018) HSM, FE
Chatterjee Consulting, LLC
281-684-9247 phone
am_chatterjee@yahoo.com.
TPC - PO 2015

Stéphane Costeux (2016)
The Dow Chemical Company
989-636-6424 phone
sccosteux@dow.com
EDUC. CHAIR/CONFERENCE ORG. CHAIR

Donna Davis (2016) HSM
ExxonMobil Chemical Co.
281-834-2036 phone 281-834-2040 fax
donna.s.davis@exxonmobil.com
HSM/FELLOWS, ANTEC® 2016 OVERALL CHAIR

Aaron Guan (2018)
BOCO Technology Inc.
647-882-9890 phone
aaron.guan@bocotechnology.com
MEMBERSHIP SUB-COMMITTEE

Dale Grove (2018) HSM
US Silica
240-313-8860 phone
grove.dale@hotmail.com
CHAIRMAN

Theresa Healy (2018)
Reedy Chemical Foam
732-264-1777 phone 732-264-1189 fax
thealy@reedyintl.com
SECRETARY/COMMUNICATION CHAIR

Vipin Kumar (2016) FE
University of Washington
206-543-5535 phone 206-685-8047 fax
vkumar@u.washington.edu
OUTSTANDING ACHIEVEMENT AWARD CHAIR

Salvatore J. Monte (2016) HSM, FE
Kenrich Petrochemicals
201-823-9000 phone 201-823-0691 fax
sjmonte@4kenrich.com

Hani Naguib (2017) FE
University of Toronto
416-978-7054 phone/fax
naguib@mie.utoronto.ca
IMMEDIATE PAST-CHAIR

Masahiro Ohshima (2017) FE
Kyoto University, Dept. of Chem Eng.
81 75 383 2666 phone
masahiro.ohshima@gmail.com
FOAMS® 2015 CHAIR

Chul B. Park (2017) FE
University of Toronto
416-978-3053 phone 416-978-0947 fax
park@mie.utoronto.ca
TUTORIAL CHAIR-FOAMS® 2015

N.S. Ramesh (2018) HSM, FE
Sealed Air Corporation
972-522-4041 phone 972-647-1040 fax
n.s.ramesh@sealedair.com

Miguel Rodriguez-Perez (2018)
University of Valladolid
34 983184035 phone 34 983423192 fax
marrod@fmc.uva.es

Ashutosh Sharma (2017) FE
Klockner Pentaplast of America Inc.
(845) 489-6313 phone (503) 915-7620 mobile
ahsharma@gmail.com

Henry Schirmer FE, HLM
BBS Corporation
864-579-3058 phone 864-579-2126 fax
hschirmer@att.net
HONORARY LIFETIME MEMBER

Raymond J. Shute (2017) HSM
Novation iQ
630-777-1203 phone
rshute@novationiq.com
NOMINATING CHAIR

Perry Vadhar (2016) HSM
Sealed Air Corporation
864-433-2086 phone 864-433-2560 fax
perry.vadhar@sealedair.com
COUNCILOR

Xiaoxi Wang (2017)
Boeing Company
425-404-1253 phone
wang0213@gmail.com
NEWSLETTER /COMMUNICATION CHAIR,
CHAIR ELECT

Maxwell Wingert (2016)
Procter & Gamble
513-634-2832 phone
mw4SPE@yahoo.com
TREASURER

Gary Wilkes (2018)
Dart Container Corp.
517-244 2196 phone
517-525-0755 mobile
gary.wilkes@dart.biz
BEST PAPER AWARD CHAIR

Anson Wong (2018)
The Dow Chemical Company
989-636-3060 phone
aw4spe@gmail.com
MEMBERSHIP CHAIR

Changchun (Chad) Zeng (2017)
Florida State University
850-410-6273 phone
850-410-6342 fax
zeng@eng.fsu.edu

NEWSLETTER PUBLICATION SPONSORSHIP INFORMATION



Sponsorship size allocations
(1 year, 3 issues):

BC size: \$375
3.500" wide x 2" high

1/4 page size: \$675
3.875" wide x 5" high

1/2 page size: \$1,125
7.750" wide x 5" high

If you are interested in sponsorship
in our newsletter, please contact:

Xiaoxi Wang
wang0213@gmail.com

NEWSLETTER PUBLICATION PLAN FOR REMAINING OF 2015-2016

Newsletter publication plan for the year
2015/2016

March 2016 (PO2016, BOD meeting,
ANTEC® preview, FOAMS® 2016 promo-
tion, etc.)

June 2016 (ANTEC® 2016, BOD meeting,
FOAMS® 2016 promotion, etc.)

FOAMS® CONFERENCE COMMITTEE REPORT – STÉPHANE COSTEUX

September 9, 2015 – Kyoto, Japan

Chair: Stéphane Costeux **Members:** Chul Park, Chad Zeng, Anson Wong, Xiaoxi Wang, Dale Grove

TEAM GOALS:

1. Redefine the FOAMS® conference around its education mission
2. Strengthen technical program
3. Conference format/location to attract broad general audience

STATUS UPDATE:

Since ANTEC®, the committee has focused on first 2 goals, and on the location of FOAMS® 2016.

Goal 1: Redefine the FOAMS® conference around its education mission

The work of the committee focused on 3 activities:

- A) Tutorials Strategy
- B) Students Education Value
- C) Professionals Education Value

Through member surveys, consultation with BOD members and mining of data from previous conferences, the committee as identified the following opportunities to educate attendees.

1. Tutorial – Committee recommendations It must maintain an introductory session to allow

- a) newcomers to learn about foams (at least ½ day)
- b) We will bring novel topics, which will rotate or be chosen from a list that will be maintained current by the committee.
- c) The Tutorial chair and Conference technical chair will select a topic that may be aligned to a broader conference theme, local attractions/industries, or advances in foam technologies.
- d) Hand-on tutorial or demonstration / plant visit will be considered in the future (*starting 2016*).
- e) At this point, no effort is needed to increase tutorials attendance (*30 attendees is a good number*).

2. Increase interest/education value for students. The committee identified that students will benefit from more visibility, more interactions with professionals and more student activities. Recommendations from the committee are:

- a) Nominate a student activity chair or focal point for each FOAMS® Conference.
- b) 5 min pitch for all poster presenters.
3-4 slides (*Student background, problem statement, key results, benefit/impact of the research*).

Can make it voluntary. Strongly recommend to participate.

c) Roundtable with professionals (*4-6 students meet with 1-2 professionals for 30 min, for Q&A on career, industry, trends. Several roundtables in paral lel if the demand is there*).

d) Students activities: could be organized by students with help from the division. Could be a tour, and outing, a luncheon, etc. Implementation of these activities will be left to the discretion of each conference organizing committee.

3. Education value for professionals. Exhibitors want visibility, and professional attendees want networking opportunities and novel information (state of the art and practical). A lot of information is available online today, and we need to offer something different. The recommendations are:

- a) Maintain 5 min exhibitor pitches. Provides some marketing content, and help bring visitors to the exhibit. Could be done during lunch on day 1.
- b) Invite keynote speaker on theme(s) of interest to professionals. It could be on foams markets, new products etc.
- c) Approach exhibitors and local sponsors about having demos or facility tours. In general, emphasize “live” content that is not available online.
- d) Expert panel in 2014 was well received. It would be even more impactful if part of the conference (e.g. one session, or one day) focused on a particular theme, and the panel was aligned to that theme.

Goal 2: Strengthening the technical program

The work of the committee focused on 2 activities:

1. Conference theme: Should part of the conference (*technical session, but maybe also tutorial, panel discussion, tour etc.*) be focused on one particular theme?

- a) Themes tied to the location of the conference,.
- b) We could have one keynote speaker, and 5-6 papers (could be invited)
- c) Announced several months in advance
- d) Paper submission on other topics would be welcome too, and be organized in separate sessions
- e) Committee will maintain a list of potential themes to be discussed with future conference organizing committees: Examples: Troubleshooting foaming issues, Foams in automotive / lightweighting, Packaging foams, Acoustic / thermal insulation, Sport

applications of foams, Medical/bio.

We could survey SPE / TPM&F members for more topics.

2. Quality/visibility of FOAMS® proceedings

a) Access to FOAMS® papers:

we found out in June that only FOAMS® 2011 proceedings were on the SPE technical library. Stéphane collected all information and pdf from 2009-2014 and Tom Conklin had all the proceedings uploaded on the SPE website.

Indexing of FOAMS® conference papers

ANTEC® papers are indexed in SCOPUS (*and maybe in CAS*). FOAMS papers are not (*except maybe for one year*).® The committee will ask SPE to investigate and provide SCOPUS/CAS with information needed for indexing.

Impact of FOAMS® proceedings

There may be an opportunity to increase impact of FOAMS® proceedings through publication in J. Cell. Plast. (*impact factor = 1.66*).

Publication as short communications or letters is of interest to Prof. Park (*editor-in-chief*). Several BOD members are associate editors, and could help select papers / arrange review process. Papers could form a special issue (*e.g. common theme*).

Determine if SPE copyright would allow publication of proceedings directly in JCP (*with minor modification and acknowledgement*)

Goal 3: Conference format/location to attract broad general audience.

The committee has focused so far on the location of the next conference.

1. Finalize decision of FOAMS® 2016. Theresa sent an email to the TPM&F BOD to ask for a vote for the proposed location of the FOAMS® 2016 conference in Seattle, WA. The motion received 18 votes by 09/01/2015, and is thus passed. Xiaoxi Wang will serve as conference chair and head the FOAMS® 2016 organizing committee; Prof Vipin Kumar will be the technical chair. The FOAMS® conference committee will make recommendations regarding measures (*see above*) that the organizing committee could take to enhance the conference. Final decision will rest with the FOAMS® 2016 organizing committee.

2. Future FOAMS® conference

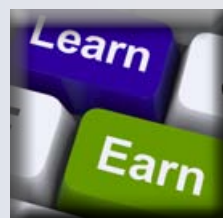
There is generally support to restate the conference

between locations in North America and abroad (*Europe or Asia*). The committee will benchmark FOAMS® versus other conference, survey all potential locations and propose a first plan for 2017-2019 at the next board meeting.

EDUCATION CHAIR REPORT – ASHUTOSH SHARMA

TPM&F FOAMS® 2015 Michael Reedy Scholarships:

As per earlier year, Reedy International and the TPM&F Division will each contribute \$500 towards two travel scholarships for students attending the FOAMS®2015 conference in Kyoto, Japan this month. As of September 8, we received only two entries and they both seem to qualify and meet the criteria for the awards. Anindya Dutta, IIT, New Delhi postgraduate PhD candidate for foams related topic and attendee of the conference, and Abhishek Gandhi, IIT New Delhi, post-graduate student same as above for PhD degree and also FOAMS® conference attendee.



SPE TPM&F Scholarship

The SPE Foundation special scholarship program is administered by Gene Havel. We have received several applications for the 2015 SPE TPM&F scholarship (*one award of \$2,500 from SPE Foundation*) during last month, August 2015 and a winner has been selected by the TPMF judges panel followed by communication of the award to the student by SPE.

Additional suggestions for student activities are welcome.

Webinars: We are continuing to look for speakers to talk about various topics but have not found any volunteers yet.

FOAMS®2015 CONFERENCE REPORT – MASAHIRO OHSHIMA



Prof. Ohshima (left) receiving Outstanding Achievement Award from Prof. Kumar.

The 13th International conference on Advances in Foams Materials and Technology (FOAMS® 2015) was held in September 10-11, 2015 at Funaï Tetsuro Auditorium, Kyoto University, Kyoto, Japan. The conference was hosted by Material Process Engineering group of Kyoto University and co-hosted by the Japan Society of Polymer Processing (JSPP), the TPM&F division and Japan Section of the Society of Plastics Engineers (SPE). Every three years, the conference moves outside of United State. Kyoto was the second international location (the first was Spain-2012) to welcome you in the FOAMS® Conference.

The conference was composed with a Keynote Lecture given by Prof. V. Kumar, an Outstanding Achievement Award (OAA) Presentation, 32 oral presentation and 20 poster papers. The OAA was presented to Prof. Ohshima during the conference. Apart from the conference activities, there were the industrial exhibition of foam related products and technology and a two-day tutorial course.

The tutorial course was carried out by Prof. C.B. Park, Prof. H. Naguib and Dr. S. Costeux in September 8-9 to offer the information from basics to advances of polymer foaming technology.

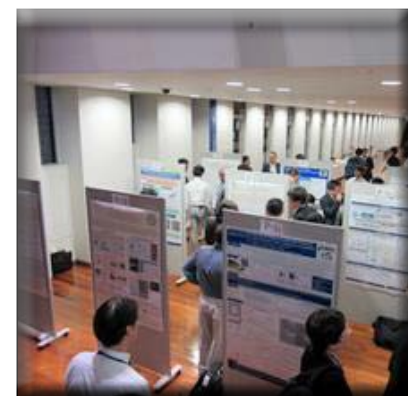
The tutorial attracted 48 attendees and the FOAMS® Conference had 153 participants from 16 different countries across the world, which is the highest record of the FOAMS® Conference. The conference was kindly supported by 10 gold sponsor companies and 8 exhibitor companies. Kyoto convention bureau (KCB) financially supported the conference to entertain the guests with the traditional culture of Kyoto. The conference organizer deeply appreciates KCB, all company sponsors and exhibitor and, of course, participants for making the FOAMS® tutorial and conference successful.



Exhibition



Japanese culture performance



Posters

COMMUNICATION REPORT – THERESA HEALY



TPM&F WEBSITE

The BOD has been fully updated with the present board members and the results from the latest election. The

Conferences have been updated as well to include the Polyolefins Conference in February/2016. The Membership and Travel contests have been posted to the website, Linked-In site and The Chain. Once the budget is approved, we will work on having our website designed with the similar color and layout as the SPE HQ site. I also have the analytics on our website as of the end of June. We had 63 visits to our site in the month of June alone and it looks like 21% were returning visitors and the rest were new visitors which was broken down by SPE referrals, google searches for Thermoplastic foams and materials, and various other sources. Most looked at the first page (60%), Newsletters (11%), BOD members (8%), Media Center (4%), About Us (3%), Events Calendar (3%), and the rest less than 2%. This tells me that people like to see a snapshot so the 1st page of something is most important. It is like a cover of a book. The more information we can clearly display on our opening page; the better.

SECRETARY REPORT

ANTEC® minutes were posted to The Chain by Stephane a few months ago so that is up to date.

LINKED-IN TPM&F SITE

I have reminded all the BOD members to sign up as a member to our TPM&F Linked In Group. Various discussions are taking place and any updates on conferences can be found here. We are working towards even more networking and discussion within this sight. You don't have to be an SPE member to join. Currently we have about 625+ members which is an increase of about 10% increase from this time last year. Our goal is to use it more to gain new members so any ideas you may have, please send them to me. I do need info on upcoming webinars so we can post them here and to our website as well as The Chain.

MEMBERSHIP CONTEST

TPM&F Division is offering an instant award up to \$1,000 which will be given to a current member who has referred the highest number of new members by December 31, 2015.



*click on graphic above
to go to link for more information*

STUDENT TRAVEL AWARD

TPM&F Division is offering two travel awards for undergraduate / graduate students to present their works at one of the TPM&F conferences (SPE FOAMS®, International Polyolefins Conference, or SPE ANTEC®).

The awards will be up to \$1,000 USD each and will cover your travel expenses via reimbursement.

The application deadline is November 15, 2015!
[CLICK HERE](#) to access application form.



REEDY
CHEMICAL FOAM
& SPECIALTY ADDITIVES

9301-A Forsyth Park Drive
Charlotte, NC 28273

980.819.6930

Sales@ReedyChemicalFoam.com

www.ReedyChemicalFoam.com

Committed to
the Future
of Plastics

TREASURER'S REPORT – MAX WINGERT

September 9, 2015



FINANCIAL SUMMARY:

- 1) Fiscal Year 2014-15 ending division balance is \$176,257.61, down by \$17,661.71 from the previous year end balance of \$193,919.33.
 - a) The loss is higher than was budgeted for, largely due to the lack of any conference revenue:
 - i. FOAMS® 2014 was a net loss of \$6,493.47 after paying out conference revenue of to SPE headquarters. The net loss to was covered entirely by the TPM&F division.
 - ii. PO2015 was profitable, (our share of revenue was \$9,610.65) but the check did not clear until July 3, 2015 meaning it was fall onto next fiscal year's income.
- 2) The total income was \$4,731.67; the total expenses were \$22,393.38.
- 3) Several categories of expenses were underspent during the fiscal year. No money was spent the on the newsletter or for the technical training seminars (webinars).
- 4) The FY15-16 proposed budget is shown below. We will vote on this budget at our board meeting this week.
 - a) Because the billing of newsletters was delayed, we have an unusually large budget (\$6,550) for communication. Activities occurring in FY15-16 expenses are expected to be about \$2000 for the newsletter and \$675 for the TPM&F website.

INVESTMENT ACCOUNT UPDATE:

Between July 1, 2014 and June 30, 2015, the account managed by Constitution Advisory Group gained 1.4% from \$139,674.96 to \$141,648.19. As of Sept. 4, the investment account value has fallen to \$137,123.21

	FY2013-14		FY2014-15		FY2015-16
	6/30/13 Actual	Revised budget	6/30/14 Actual	Budget	Proposed Budget
INFLOWS					
Interest & Dividends	\$ -	\$ -	\$ -	\$ -	
CAG Investment Program Net Gain	\$ 15,873.23	\$ 4,000.00	\$ 1,973.23	\$ 5,000.00	\$ 2,000.00
Conference - FOAMS	\$ 11,669.06	\$ 5,000.00	\$ -	\$ 6,000.00	\$ 6,000.00
Conference - Polyolefins	\$ 20,074.46	\$ 16,783.00	\$ -	\$ 9,000.00	\$ 18,610.65
Previous Year TopCon Reimburse	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ -
SPE Rebate	\$ 3,711.88	\$ 4,000.00	\$ 2,258.44	\$ 3,200.00	\$ 3,200.00
Sponsorship	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 875.00
Total Inflows	\$ 56,828.63	\$ 35,283.00	\$ 4,731.67	\$ 23,200.00	\$ 29,810.65
OUTFLOWS					
ANTEC Expenses	\$ 1,314.02	\$ 3,500.00	\$ 3,395.44	\$ 3,500.00	\$ 3,500.00
Best paper awards	\$ 781.40	\$ 2,700.00	\$ 500.00	\$ 2,700.00	\$ 2,700.00
Non-ANTEC Board Meeting	\$ 1,230.82	\$ 3,000.00	\$ 2,348.03	\$ 3,000.00	\$ 3,000.00
Councilor Travel	\$ 891.22	\$ 2,000.00	\$ 1,096.09	\$ 2,000.00	\$ 2,000.00
Educational Programs	\$ 2,500.00	\$ 6,000.00	\$ 5,800.00	\$ 6,000.00	\$ 6,000.00
FOAMS Conference Net Loss	\$ -	\$ -	\$ 6,493.47	\$ -	\$ -
Future Year TopCon Expenses	\$ -	\$ -	\$ -	\$ -	\$ -
General Office	\$ 32.24	\$ 50.00	\$ 10.35	\$ 50.00	\$ 50.00
Communication	\$ -	\$ 2,800.00	\$ 750.00	\$ 4,000.00	\$ 6,550.00
Membership Content	\$ -	\$ -	\$ -	\$ -	\$ 2,000.00
Outstanding Achievement Award	\$ -	\$ 4,500.00	\$ 1,000.00	\$ 4,500.00	\$ 3,500.00
Scholarships/Grants	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 3,500.00	\$ 1,000.00
Student Travel Award	\$ -	\$ -	\$ -	\$ -	\$ 2,000.00
Technical Training Seminars	\$ -	\$ 500.00	\$ -	\$ 1,500.00	\$ 500.00
CAG Investment Program Net Loss	\$ -	\$ -	\$ -	\$ -	\$ -
Other expenses	\$ 191.66	\$ 1,000.00	\$ -	\$ 1,000.00	\$ 800.00
Total Outflows	\$ 7,941.36	\$ 27,050.00	\$ 22,393.38	\$ 31,750.00	\$ 33,600.00
Overall Surplus (deficit)	\$ 48,887.27	\$ 7,733.00	\$ (17,661.71)	\$ (8,550.00)	\$ (3,789.35)
Budget Plan	\$ 7,733.00	\$ 7,733.00	\$ (8,550.00)	\$ (8,550.00)	\$ (3,789.35)
Variance from Budget	\$ 41,154.27		\$ (9,111.71)		
Ending Account Balance	\$ 193,919.33		\$ 176,257.62		

HIGHLIGHTS FOR TPM&F BOARDING MEETING

Meeting Date: September 09, 2015

Location: Japan

ATTENDANCE

Attending the BOD meeting in person: Masahiro Ohshima, Gary Wilkes, Stéphane Costeux, Chul Park, Vipin Kumar. **Joined by phone:** Dale Grove, Theresa Healy, Kathy Schacht, Surendra Sagar, Andy Chatterjee, Donnie Davis, Hani Naguib, Perry Vadhar, Aaron Guan, Anson Wong, and Max Wingert. **Excused Absences:** Sal Monte, Chad Zeng, N. S. Ramesh, Ray Shute, Ashu Sharma, Miguel Perez, and Xiaoxi Wang.

CHAIR REPORT – Dale Grove Dale reminded everyone about the anti-trust laws and he thanked everyone for their hard work as this is a “working” committee. Two of the key goals is in improving both our membership and our Foam Conferences which Anson and Stephane will report on, respectively. Lukas had to be replaced because he was unreachable, and Ajit did not have time to devote to the Membership Chair position due to his current job position requirements.

KYOTO FOAMS® CONFERENCE REPORT – Masahiro Ohshima (see page **PO 2016 TOPCON REPORT – Andy Chatterjee/Donna Davis**

Andy mentioned that the advertising and prep work for the Polyolefins Conference is in full swing. There is a big change in the new collection site in 2016 where this new collection site for papers was developed by SPE HQ. Donna Davis has worked with Sue Wojnicki and it has been tested by the Polyolefins committee. The abstract deadline is in October, and the final paper deadline and submissions will be in in the Nov/Dec timeframe. Donna Davis is the Technical Chair for this conference. There will be 13 sessions at the Polyolefins (2) TPM&F. There is a Tutorial set up which will emphasize techniques and processing. There are two scholarships given out and they are funded by the money received from the conference proceedings. TPM&F Division is coordinating with the Education Committee and the South Texas Section. There are other sessions including Innovation, Sustainability, Polymer Additives, and Automotive. The Polyolefins Conference committee will be meeting every month to discuss the conference plans. Parties interested in supporting the conference should contact Andy /Donna by email.

EARLY ANTEC® 2016 REPORT – Chad Zeng/Donna Davis ANTEC® 2016 will be held in Indiana near the Indy 500 race. The ANTEC® organizers

wanted to reflect more of an automotive theme which may attract more audience to this technical conference. **PAPERS/SESSIONS:** All division TPCs and conference chair had the first conference call in June. Monthly conference calls will start in September and run through December. We will be sending out targeted invitations to people who have research in foaming but not frequent attendees of ANTEC® Foam Sessions (*Targeted number of sessions remain 4-5*).

STUDENT SESSIONS: We’re still studying how other conferences organize students sessions, may need to coordinate with other divisions and even need coordinated effort from SPE. It is not likely to have a student session in 2016. Current study hopefully would lead to a positive conclusion toward a student session in ANTEC® 2017. Plenary talks are ongoing and getting established.

MEMBERSHIP CHAIR REPORT – Anson Wong, Members: Aaron Guan, Surendra Sagar, Dale Grove, Perry Vadhar

Membership Committee Goals: 1) Increase Membership by 10% (*From Jan 1, 2015 to Jan 1, 2016*). 2) Travel Award. 3) Membership Contest. 4) Identify value proposition. 5) Membership retention. 6) Expand our social media reach in coordination with the Communication Chair. Status Updates: The number of TPM&F members (as of Sept. 7, 2015): Active: 856, Expiring: 233. Since the last BOD meeting (June 2015), the committee has focused on: Goal 2 and 3 – Finalized the Travel Award and Membership Contest details, and advertise both via various channels. Goal 5 – Contacted existing / previous TPM&F members to understand what can be done to retain them, and what we can improve upon. Goal 2: Travel Award The details of the travel award has been finalized and approved by the BOD. Two awards of up to \$1000/each on a reimbursement basis to cover travel expenses to PO Conference, ANTEC®, or

continued on page 10

MEETING MINUTES *continued from page 9*

FOAMS® conference. The contest deadline is November 15, 2015. At this point the contest has been advertised via: The Chain (*SPE café, Campus Connection*), LinkedIn, TPM&F Website, SPE Email Blast (*requested*), TPM&F Newsletter (*planned for next issue*). The number of applicants to date is one.

Goal 3: Membership Contest The details of the travel award has been final. First prize is \$1000, while the runner up prizes are \$500. The contest deadline is December 30, 2015. The membership contest has been advertised using the same methods as the Travel Award (*see above*). To date there have been no applicants. Goal 5: Membership Retention Dale contacted existing/previous TPM&F members to understand why they leave the society and/or how we can improve. Typical reasons for leaving TPM&F:

- The computer and internet has made life difficult for societies on both the information and networking fronts
- Companies are not supporting societies as much as they used to
- People are spending less time on society related activities
- People are switching fields.

Improvement opportunities

- We need to incorporate activities that people can't get on the internet – e.g., live demonstration, expert presentation, site tours
- It seems that the older generation likes societies more than the younger generations – we need to develop ways to attract young professionals.

Other feedback from members:

- More aggressive advertising to plastics engineers in universities might help to boost memberships
- Incorporation of local activities to high schools
- Special topics of interest: market trends, composites, cushioning/footwear, etc.

Special topics of interest: market trends, composites, cushioning/footwear, etc.

Some key suggestions were to recruit SPE student chapters that are supported by schools, come up with activities that people cannot get on the internet, and to explore more E-Membership benefits where they have other options of limited memberships. Other ways may be to do more advertising and conduct more local activities with younger generations. It was recommended that a separate e-mail be sent out with a catchier phrase to advertise the Membership Contest because too many people may have overlooked it. Dale thanked Anson for all his efforts in leading this very important issue. We need to take advantage of

LinkedIn and our membership listing as well.

COUNCILOR CHAIR REPORT – Perry Vadhar
(*see page 2 in this newsletter*)

SECRETARY'S REPORT – Theresa Healy

The ANTEC® 2015 Minutes were posted to The Chain. Thanks to Stephane for posting them.

TREASURER REPORT– Maxwell Wingert

Fiscal Year 2014-15 ending division balance is \$176,257.62, down by \$17,661.71 from the previous year end balance of \$193,919.33. The loss is higher than was budgeted for, largely due to the lack of any conference revenue: FOAMS 2014 was a net loss of \$6,493.47. Andy Chatterjee asked what we can do to prevent future FOAMS® conferences from losing money. Prof. Ohshima and Perry explained that FOAMS® 2015 will be profitable and that we don't have to share as much proceeds with HQ because they didn't send an employee to Japan. Perry will send out the paperwork to the division showing what cut SPE HQ has agreed to take. Max mentioned that Sal, Hani, himself and two members of the PNJ Section put together a detailed list of recommendations for future FOAMS® Conferences in order to boost attendance and increase the economics. This summary was sent to all board members last fall.

PO2015 was profitable, (*our share of revenue was \$9,610.65*) but the check did not clear until July 3, 2015 meaning it was fall onto next fiscal year's income. Several categories of expenses were underspent during the fiscal year. No money was spent the on the newsletter or for the technical training seminars (*webinars*).

Between July 1, 2014 and June 30, 2015, the investment account gained 1.4% to \$141,648.19. As of Sept. 4, the investment account value has fallen to \$137,123.21. There was a motion to pass the budget as stated in this report and Andy seconded the motion. None opposed and none abstained so the motion was approved. Max explained that the audit committee which consists of Dale, Donna, Xiaoxi is starting up now and it will be led by Dale. They will complete their audit report before Max has to file the taxes in the fall.

continued on page 11

continued from page 10

Communication Chair Report – Theresa Healy
(see page 4 in this newsletter)

Education Chair – Ashu Sharma
(see page 5 in this newsletter)

HSM/Fellows Nominations – Donna Davis There was a motion to formally approve the Fellow nomination of Bharat I. Chaudhary and it was second by Hani and the motion carried. Donna thanked all that helped make this happen.

Outstanding Achievement Award Chair Report – Vipin Kumar Professor Ohshima was awarded with the Outstanding Achievement award at the FOAMS® 2015 Conference. Congratulations to Professor Ohshima on his deserved honor.

INTERNATIONAL ACTIVITIES REPORT – Miguel Perez and Masahiro Ohshima
Nothing to report at this time

NEW AND OLD BUSINESS
Nothing to report at this time
Adjourn at 9:31pm.

Division Newsletter Archives



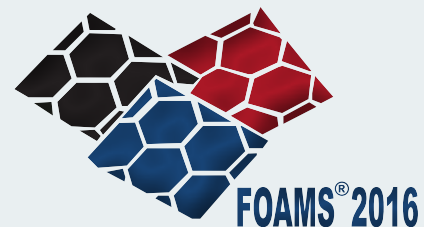
To access any of our previous newsletters [click here](#)

FUTURE CONFERENCE DATES

May 23-25, 2016.
ANTEC® 2016.
JW Marriott Indianapolis.



September 12-15, 2016
FOAMS® 2016.
Crown Plaza Seattle.





2016 SPE INTERNATIONAL POLYOLEFINS CONFERENCE

THE SPE SOUTH TEXAS SECTION, THE POLYMER MODIFIERS AND ADDITIVES DIVISION AND THE THERMOPLASTIC MATERIALS AND FOAMS DIVISION ARE ORGANIZING TECHNICAL SESSIONS IN THE FOLLOWING AREAS:



DUE DATES FOR SUBMISSION:

Abstracts:	October 30, 2015
Papers:	December 15, 2015
Presentations:	December 30, 2015
Student Posters:	January 15, 2016

Current Trends in Markets, Technology and Investments

Innovation (*Strategies and Case Studies*)

Catalyst and Process Advances in Polyolefins

Advances in Polyolefin Stabilization and Modifiers

Polymer Testing and Characterization

Sustainability and Polyolefins

Flexible Packaging

Polyolefins in Automotive

Fibers and Nonwovens

Logistics and Business Systems

Foam and Light-weighting

Building and Construction

To submit a paper contact Program Chair [Donna Davis](#). Abstracts will be reviewed and authors notified about their submissions.

For complete
conference information
[Click Here](#)

Did you miss the 2015 Polyolefins Conference? You can purchase proceedings and videos of the Plenary and tutorial speakers at www.spe-stx.org/conference.php. The 2015 conference was very successful with over 635 people attending, 64 exhibitor booths, a student poster competition, two networking receptions, and tremendous commercial activity.