

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

JULY 2016



It is with great regret that we have lost Ananda (Andy) Chatterjee, one of our longest, continuous TPM&F board members. Andy tirelessly served the board by filling International Polyolefin Conference sessions and by actively promoting student awards and activities at that same conference. To honor

him the board has unanimously renamed the Student Travel Award program as the Ananda Chatterjee Student Travel Award. Andy's positive attitude and keenness to details will be sorely missed.

This year's board activity will continue to develop the best possible technical conferences, promote membership, and become more active in the education areas. Under the leadership of Xiaoxi Wang, the September 14-15, 2016 FOAMS® Conference in Seattle is rapidly approaching. There will be a tutorial session, technical paper sessions, best paper award, and student activity in the form of a poster session and Michael Reedy Scholarship award. This is not to mention an exclusive opportunity to tour Boeing's Seattle site. The FOAMS® Conference progression area is being led by Stephane Costeux so that the division can put on and promote the best possible FOAMS® Conferences in the coming years both internationally and within North America. On the membership front, this year Anson Wong will continue to run the Ananda Chatterjee Student Travel Award, and we also are soliciting new members from a variety of sources including our TPMF Linked in site, prior conference attendees, and various Linked in listings.

From an education perspective, a student/professor email contact list is in development, and the board will shortly be judging 13 applicants for the TPMF foundation scholarship award. We are also considering supporting the Plastivan activity in the Seattle area.

As you can see from our activity level, the TPM&F Board continues to be a hard working board.

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CHAIRMAN'S MESSAGE (CONTINUED)

We hope that we see you at the upcoming FOAMS® Conference in September. Seattle is a wonderful place to visit to see such sights as the Space Needle Observatory, Chihuly Garden and Glass, Pacific Science Center, Museum of Flight, and of course the seafood market.

Dale Grove
TPM&F Chairman

THERMOPLASTIC MATERIALS AND FOAMS DIVISION 2016-2017 DIVISION GOALS

ANTEC® 2017 Goals (C. Zeng)

- Number of Sessions: 5-6
- Number of Papers: 25-30.
- Regularly attend ANTEC® 2017 phone conferences

Best Paper Award Goals (G. Wilkes)

- Provide a best paper award winner from each conference
- Provide a best paper award winner at ANTEC®
- With the authors' blessing, get the best papers published in the newsletters.

Chair Goals (D. Grove)

- Ensure the committee goals are completed
- Fill out the Pinnacle Award
- Support the Best Paper Award/ANTEC® Reviews
- Support the Nomination Committee
- Support Membership Growth by contacting 450 new members.

Chair Elect Goals (X. Wang)

- Support and backup Chair

Communication Chair Goals (T. Healy)

- Keep TPMF LinkedIn site up to date
 - Upcoming Conferences
 - Upcoming Webinars
 - Membership Values
 - Grow LinkedIn Membership
- Website
 - Update the website monthly
 - Upcoming Conferences
 - Upcoming Webinars
 - Announce New Board Members and Board Listings
 - Post Membership goals
 - Send all members and linkedIn members a link to the website
 - Incorporate Chain
 - Determine why people are visiting website and what they like
 - Determine costs to make our website look like SPE's website

Conference Committee (S. Costeux et. al.)

- Redefine the FOAMS® Conference around Education Tutorial Strategy
 - Attract Students with training and networking opportunities
 - Learning opportunities for professionals (exhibits/tours/new topics)
- Strengthen Technical Program
 - Option to predefine conference theme/topics
 - Attract/Invite Good Speakers
 - Incentive to present papers and publish in proceedings
- Attract Attendees
 - Differentiate from competing conferences
 - Devise location strategy and frequency
 - Advertise to a broader audience
 - Partner with other societies
 - Incentives/Discount Strategies

Councilor Goals (P. Vadhar)

- Submit an Outstanding Achievement Award nomination
- Communicate Councilor Meeting Major Highlights
- Attend Councilor Meetings

Education Goals (A. Sharma / K. Mcloughlin)

- Provide Three FOAMS® Conference Webinars
- Provide Two Reedy Scholarships at the FOAMS® Conference
- Platinum Sponsorship of SAC at ANTEC® (\$2500)
- Support SPE Foundation Scholarship (\$2500)
- Possibly develop a video student contest
- Provide T. Healy with webinars and professional presentations

FOAMS® 2016 Seattle Goals (X. Wang et. al.)

- Keep the board updated on efforts
- Provide regular updates
- Ensure Financial Success
- Apply Conference Committee Strategies

Past Chair Goals (H. Naguib)

- Support the International Committee
- Support the FOAMS® and ANTEC® Conference Committees

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BOARD OF DIRECTORS LISTING

Stéphane Costeux (2016)

The Dow Chemical Company
989-636-6424 phone
sccosteux@dow.com
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

Dale Grove (2018) HSM

US Silica
240-313-8860 phone
grove.dale@hotmail.com
CHAIRMAN

Aaron Guan (2018)

BOCO Technology Inc.
647-882-9890 phone
aaron.guan@bocotechnology.com
NEWSLETTER CHAIR

Theresa Healy (2018)

Reedy Chemical Foam
732-264-1777 phone 732-264-1189 fax
thealy@reedyintl.com
SECRETARY/COMMUNICATION CHAIR

Vipin Kumar (2016) FE

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OUTSTANDING ACHIEVEMENT AWARD CHAIR

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CONFERENCE COMMITTEE MEMBER

Hani Naguib (2017) FE

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naguib@mie.utoronto.ca
IMMEDIATE PAST-CHAIR

Masahiro Ohshima (2017) FE

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FOAMS® 2015 CHAIR

Chul B. Park (2017) FE

University of Toronto
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park@mie.utoronto.ca
TUTORIAL CHAIR-FOAMS®

N.S. Ramesh (2018) HSM, FE

Sealed Air Corporation
972-522-4041 phone 972-647-1040 fax
n.s.ramesh@sealedair.com
CONFERENCE COMMITTEE MEMBER

COMMITTEE MEMBERS:

Ana Paula de Azeredo

Polymer Science Group, Braskem S.A.(Brazil)
+55 51 3721-8111
ana.azeredo@braskem.com

Miguel Rodriguez-Perez (2018)

University of Valladolid
34 983184035 phone 34 983423192 fax
marrod@fmc.uva.es
CONFERENCE TUTORIAL COMMITTEE MBR.

Ashutosh Sharma (2017) FE

Klockner Pentaplast of America Inc.
(845) 489-6313 phone (503) 915-7620 mobile
ahsharma@gmail.com
EDUCATION CHAIR

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hschirmer@att.net
HONORARY LIFETIME MEMBER

Raymond J. Shute (2017) HSM

Novation iQ
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rshute@novationiq.com
NOMINATING CHAIR

Perry Vadhar (2016) HSM

Sealed Air Corporation
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perry.vadhar@sealedair.com
COUNCILOR

Xiaoxi Wang (2017)

Boeing Company
425-404-1253 phone
wang0213@gmail.com
CHAIR ELECT, FOAMS® 2016 CHAIR

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
TPC 2016

HSM: Honored Service Member

FE: Fellow of the Society

HLM: Honorary Lifetime Member

Kim McLoughlin

Braskem
412-208-8148 phone
kimberly.mcloughlin@braskem.com

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- Support the Education Committee
- Submit a nomination for the Outstanding Achievement Award

HSM / Fellows Award Chair (D. Davis)

- Identify, develop, and support nominations of worthy candidates.

Membership Committee Goals (A. Wong et al.)

- Increase Membership by 10%
Travel Award Contest ---
Still working out details.
Contact 450 potential members list.
- Identify Value Proposition
- Expand our social media reach in coordination with the Communication Chair
- Get details of all attendees at our conferences / LinkedIn accounts.

Newsletter Goals (A. Guan)

- Publish a minimum of three newsletters for the 2016-2017 year
- Lead the Communication Award Excellence Application
- Publish the best papers in the Newsletter
- Advertise all awards, webinars, and conferences in Newsletters

Outstanding Achievement Award (V. Kumar)

- Find and award worthy candidates
- Provide feedback to the Communication and Newsletter Committees

Polyolefin Conference (D. Davis / Ana Paula de Azeredo / Possibly N. Ramesh)

- Support the PO Conference
- Provide speakers for the sessions that we have agreed to fill.

Secretary Goals (T. Healy)

- Provide meeting minutes within one-week to the Chair.
- Find a backup temporary secretary if attendance is not possible
- Keep tabs on all motions requiring votes

Treasurer Goals (M. Wingert)

- Submit tax forms to the IRS on time
- Create a budget based on the board's interests
- Grow savings funds in mutual or out accounts

REMEMBERING ANDY

June 1st 1946 – April 5th 2016

Dr. Ananda (Andy) Mohan Chatterjee, one of our longest serving TPM&F board members, recently passed away.



Andy, a true pioneer in the field of plastics engineering since 1972, joined the Society of Plastic Engineers (SPE) and has been recognized both as an Honored Service Member and a Fellow of the Society. Andy served as director on the Thermo-plastics and Foams Division (TPM&F) Board since 1994 and acted in various leadership roles including the International Polyolefin Conference, and SPE liaison for multiple student chapters in Texas. He worked tirelessly in promoting student involvement and activities. In honor of his contributions, the TPM&F board has passed a unanimous motion to rename our student travel assistance program as the Ananda Chatterjee Student Travel Award. His meticulous attention to details and good nature will be missed on the TPM&F Board.

Amongst Andy's contribution to the society and to the field of plastics engineering are the following:

ANANDA CHATTERJEE, PRESIDENT OF CHATTERJEE CONSULTING, LLC

Technology Consultant to the polymer and additives industry Houston, TX. Previously w/Ingenia Polymers Inc. Kaneka Texas Corp, and Dow Chemical Company. Education: University of Massachusetts, Amherst

- ◆ Fellow, Society of Plastics Engineers (SPE).
- ◆ Associate Editor, Journal of Plastic Film & Sheeting.
- ◆ Twenty-nine (29) United States Patents on polymer technology; two European, PCT patents and many equivalents worldwide.
- ◆ Outstanding Service Award from Texas A&M University for 'Strong Efforts and Support to the Polymer Technology Center', as SPE Liaison, February 2012.
- ◆ Extensive and in-depth experience in polymer research and development, product commercialization, polymer film processing and products technology, polymer additives technology, additive blends technology and processing, customer technical service and intellectual property (patent) invention.
- ◆ Expertise in Licensing and technology transfer of UNIPOL Polypropylene technology worldwide.
- ◆ Certified Six Sigma Green Belt (Dow Chemical Company).
- ◆ Team Excellence Award from Shell Development Company, for the commercialization of propylene-butene copolymers.
- ◆ Champion of Quality (Shell Chemical's highest Quality Award).
- ◆ Honored Service Award, Society of Plastics Engineers.
- ◆ Committee Member and Session Chairman, SPE Polyolefins International Conference, 2005 to 2016.
- ◆ Board of Directors, SPE Thermoplastic Materials & Foams Division, 1994 to 2016.
- ◆ SPE Liaison with University of Houston SPE Chapter, 2012 to 2014.
- ◆ SPE Liaison with Texas A&M University SPE Chapter, 2004 to 2012.

ANANDA CHATTERJEE STUDENT TRAVEL AWARD

In honor of Ananda Chatterjee, the Society of Plastics Engineers' Thermoplastic Materials & Foams Division (SPE TPM&F) is offering two travel awards for undergraduate/graduate students to present their works at a future TPM&F sponsored conferences (SPE FOAMS®, International Polyolefins Conference, or SPE ANTEC®). The travel awards will be up to \$500 USD each, and it covers student travel expenses via reimbursement. The application deadline is July 22, 2016. The award will be announced on July 31, 2016.

ACT NOW! WE ARE ACCEPTING APPLICATIONS!

CRITERIA & RULES

1. Applicants must be full-time students.
2. Applicants must be SPE TMP&F student members. *New student members will receive a free membership for the first year (\$31 USD value) if they apply for the travel grant.*
3. Applicants must create a poster or paper presentation in one of the upcoming TPM&F sponsored Conferences
4. Applicants must be in good academic standing
5. (GPA > 3.0 or equivalent).

The Travel Award is a **reimbursement only** award with a maximum reimbursement level of \$500 USD. The award winner will pay for the travel expenses first and will be reimbursed afterward. Note that eligible expenses include hotel, transportation, meals, visa, and/or poster printing cost. Receipt copies are required for reimbursement, so please remember to keep all the receipts for the expenses. The Travel Award will be withdrawn if an awardee does not attend or present at one of the conferences listed above.

HOW TO APPLY

Applicants must send an applications request by email to Dr. Anson Wong (aw4spe@gmail.com). The application submitted will include:

1. A completed application form.
2. A grade transcript covering at least the last two years (a web print-out is sufficient).
3. A CV or resume.



SPE INTERNATIONAL
POLYOLEFINS CONFERENCE

ANANDA CHATTERJEE STUDENT TRAVEL AWARD - APPLICATION FORM

Name: _____
Program (Undergraduate/Master's/Doctoral): _____
College or University: _____
University Supervisor: _____
Address: _____
Phone Number: _____ Email: _____

CONFERENCE & PAPER/POSTER INFORMATION:

If the conference paper/poster is to be decided – provide a description of what you plan to present

Conference Name: _____
Paper/Poster Title: _____
Description: _____

Tell us why your selected conference will help you to achieve your academic and career objectives:



FOAMS' 2016

14TH International Conference on Advances in Foam Materials & Technology

CONFERENCE, TUTORIAL & EXHIBITION SEPTEMBER 12-15 – SEATTLE, WA

JOIN US!

Leading researchers from industry and academia will present the newest developments in foam materials, technology, and applications on the following topics:

Innovation in Foams
Novel Blowing Agents
Notable Foaming Technologies
Nanocomposite Foams

Sustainability in Foams
Biodegradable Foams
Foams for Industrial Applications
Micro and Nanocellular Foams

BOEING FACTORY TOUR
Tuesday, September 13
Follows the morning tutorial session

QUESTIONS

GENERAL CONFERENCE

Dr. Xiaoxi Wang
wang0213@gmail.com

PAPER SUBMISSIONS

Abstracts Due: May 1
Professor Vipin Kumar
vkumar@uw.edu

SPONSORSHIP

Theresa Healy
thealy@reedychemicalfoam.com
Eric Teoh
spepnw@gmail.com

STUDENT POSTERS & SCHOLARSHIPS

Scholarship Applications Due: July 29
Dr. Stephane Costeux
scosteux@gmail.com
Professor Changchun Zeng
czeng@fsu.edu

www.4spe.org/foams2016

Co-sponsored by: SPE TPM&F Division & Pacific Northwest Section



FOAMS® 2016



14th International Conference on Foam Materials & Technology

CONFERENCE, TUTORIAL & EXHIBITION
SEPTEMBER 12-15 - SEATTLE, WA

Crown Plaza Seattle
1113 6th Avenue,
Seattle, Washington, 98101 USA
Tel: 1-206-464-1980

(Room rate is \$189/night until 8/11/16 (taxes not included)
Mention SPE FOAMS® 2016

<https://resweb.passkey.com/go/foams2016>

EXHIBITOR / SPONSORSHIP REGISTRATION FORM

GOLD Sponsor - \$2,500

Includes tabletop, one complimentary conference registration, reception, company logo on poster, submission of logo on website, logo on two *Plastics Engineering* ads, announcement of Sponsorship during conference, two complimentary Boeing tour tickets for 9/13, and distribution of literature to attendees at registration.

COFFEE BREAK Sponsor - \$1,800

Includes tabletop, one complimentary conference registration, reception, company logo on poster, logo on two *Plastics Engineering* ads, announcement of Sponsorship during coffee break, and one complimentary Boeing tour ticket for 9/13.

EXHIBITOR - \$1,500

Includes tabletop, one complimentary conference registration, reception, company logo on poster & website, and logo on two *Plastics Engineering* ads.

Contact / Attendee: _____ Company: _____

Address: _____

City: _____ State: _____ Postal Code: _____

Phone: _____ Fax: _____ Email: _____

Enclosed is my check for \$ _____

Charge my credit card \$ _____ Card #: _____

Expiration Date: _____ Authorized Signature: _____ Date: _____

MAIL FORM WITH CHECK

FAX / EMAIL FORM WITH CREDIT CARD PAYMENT

Check payable to: **FOAMS 2016 CONFERENCE SPONSORSHIP**
Theresa Healy, Reedy Chemical Foam & Specialty Additives
25 E. Front Street, Ste. 200
Keyport, NJ 07735

+1 888-291-7290
thealy@reedyintl.com

Confirmation will be emailed upon receipt of payment. Set-up information is provided 2 weeks prior to the conference.

All Exhibitor / Sponsorship registrations must be made prior to August 26, 2016.

QUESTIONS?

SPONSORSHIP

Theresa Healy
Reedy Chemical Foam
thealy@reedyintl.com
P: +1 732-264-1777

SPONSORSHIP

Eric Teoh
DSM Engineering Plastics
spepnw@gmail.com
P: +1 415-205-8129

REGISTRATION

Kathy Schacht
Society of Plastics Engineers
kschacht@4spe.org
P: +1 203-740-5430

CONFERENCE

Xiaoxi Wang
The Boeing Company
wang0213@gmail.com
P: +1 206-523-0555

www.4spe.org

Co-sponsored by: SPE TPM&F Division & Pacific Northwest Section

FOAMS® 2016 TUTORIAL

The Instructors:



Dr. Chul B. Park



Dr. Hani Naguib



Dr. Stéphane Costeux

OUTLINE

- 1 Design of Foam Structures
- 2 Foaming Agents
- 3 Fundamentals of Continuous (Microcellular) Foaming
- 4 Control of Cell Nucleation
- 5 Control of Foam Density

OUTLINE

- 6 Foam Structures & Properties
- 7 Biofoams: *Biofoams: processing, properties, and applications*
- 8 Sustainable Foams: *processing, properties, and applications*

OUTLINE

- 9 Foam Fundamentals: *Nucleation, Growth and Stabilization*
- 10 Application to Nanocellular Foams

SPE Member Fees (Advance ends Aug. 12, 2016):

Tutorial Only	\$ 400 Advance / \$ 600 Late
Conference Only	\$ 500 Advance/ \$ 700 Late
Tutorial & Conference	\$ 750 Advance/ \$ 1,050 Late

SPE Non-Members: (Advance ends Aug 12, 2016):

Tutorial Only	\$ 600 Advance / \$ 800 Late
Conference Only	\$ 700 Advance/ \$ 900 Late
Tutorial & Conference	\$ 1,050 Advance/ \$ 1,400 Late

FOAMS® 2016 TUTORIALS SCHEDULE September 12-13, 2016

Monday	9:00am–1pm <i>Chul Park</i> 2:00pm–6pm <i>Hani Naguib</i>
Tuesday	8:00am–noon <i>Stéphane Costeux</i>

FOAMS® 2016 TUTORIAL REGISTRATION FORM

To register online, visit: <https://www.eiseverywhere.com/ehome/152807/346454/>
Event Date: September 12-13, 2016, Monday-Tuesday Event Location: Crowne Plaza, Seattle

NAME _____ TITLE _____
 COMPANY _____
 ADDRESS _____ CITY _____
 STATE _____ ZIP CODE _____ COUNTRY _____
 TEL. _____ FAX: _____ E-MAIL _____

Please pay Registration Fee in US Dollars by:
 bank transfer check credit card



Credit Card Payment: \$ _____ Cardholder Name: _____
 Card Number: _____
 Expire Date: _____ Signature: _____

PLEASE CALL, MAIL OR FAX THIS FORM TO:
 EVENTS DEPARTMENT, SPE US OFFICE, 6 BERKSHIRE BLVD, SUITE 306, BETHEL, CT 06801
 PHONE: 203-740-5403, FAX: 203-775-8490



FOAMS® 2016



14TH International Conference on Advances in Foam Materials & Technology

SEPTEMBER 14-15 SEATTLE, WA

MICHAEL REEDY SCHOLARSHIPS



Two \$500 scholarships are offered for selected undergraduate /graduate students in plastics/foams area attending the FOAMS®2016 Conference (Sept. 14-15, 2016) in Seattle. The scholarships, named in memory of our former board director Michael Reedy, are sponsored by Reedy International.

ELIGIBILITY REQUIREMENTS

1. Must be a full-time undergraduate or graduate student.
2. Must be majoring in or taking courses relevant to a career in the plastics/polymer industry.
3. Good academic standing with their schools (GPA > 3.0).
4. Must be able to attend the FOAMS®2016 conference.

HOW TO APPLY

Applicants must email an application **By July 29, 2016** to:

Dr. Stéphane Costeux sccosteux@dow.com

The application submitted must include:

1. One-page statement telling why you are applying for the scholarship, your qualifications, and your educational and career goals in the plastics/foams industry.
2. One or two (2 preferred) recommendation letters from academic or professional individuals.
3. A high school and/or college transcript for the past 2 Yrs.
4. A list of current and past school activities, community activities, and honors.

QUESTIONS?

Contact Dr. Stéphane Costeux
sccosteux@dow.com

STUDENT POSTER SESSION

If you are a graduate or undergraduate student conducting research related to polymer foam, consider participating!

BENEFIT

1. Free admission to FOAMS® 2016
2. An opportunity to win Best Poster Awards that will be presented on Day 2 of the conference (*\$350 for 1st place and \$150 for 2nd place*)
3. Opportunities to network with fellow students, peers and experts in the field of foams

HOW TO PARTICIPATE

1. Submit a 100-200 words abstract including title, authors and affiliation **by July 29, 2016** to Dr. Changchun Zeng (czeng@fsu.edu).
2. Create a poster that will fit in a 48" wide 36" tall space (*you will receive an email from Dr. Changchun Zeng concerning details on poster mounting*)
3. Print your poster and bring it to the first day of the conference.

QUESTIONS?

Contact Dr. Changchun Zeng
czeng@fsu.edu

FOAMS® 2016 Committee

CONFERENCE CHAIR

Xiaoxi Wang, Boeing

CONFERENCE CO-CHAIR

Allen Smith, Calsak Corporation

TECHNICAL PROGRAM CHAIR

Professor Vipin Kumar, University of Washington

TUTORIAL PROGRAM CHAIR

Professor Chul Park, University of Toronto

STUDENT POSTER CHAIR

Professor Chad (Changchun) Zeng, Florida State University

STUDENT SCHOLARSHIP CHAIR

Stephane Costeux, Dow Chemical

HOTEL CHAIR

Eric Teoh, DSM Plastics

TREASURER

Chris Hall, Availen Associates;

Maxwell Wingert, Procter & Gamble

SPONSORSHIP CHAIR

Theresa Healy, Reedy Chemical Foam,

Eric Teoh, DSM Plastics

HOSPITALITY CHAIR

Charles Pratt, Pratt Materials Consulting

BOEING TOUR

Allen Smith, Calsak Corporation

BEST PAPER CHAIR

Gary Wilkes, Dart Container



1. Technical program planning – Vipin Kumar

A. PAPER SUBMISSION AND REVIEW

As of 5/17, we have 18 abstracts, including a few committed abstracts that we expect to receive soon. Prof. Kumar is trying to solicit a few more abstracts.

B. PLENARY SPEAKERS

Dale shared some valuable experience on soliciting plenary speakers. Prof. Kumar is trying to get one from Nike. Prof. Kumar proposed a budget of \$3000 to pay for two plenary speakers. We may don't have to use \$3000 but I think it is worth it to set aside some funding for high quality plenary speakers. We are welcoming all the leads/comments/suggestions on plenary speakers.

2. Poster session planning – Changchun (Chad) Zeng

No update. The deadline is 7/29. It is still too early.

3. Tutorial Planning – Chul Park

No update.

4. Boeing Tour Planning – Al Smith

Al will work on transportation with an assumption of 50 attendees. We think the Boeing tour will be sold out.

5. Student Scholarship – Stephane Costeux

No applicant yet. We need to further promote it in ANTEC® 2016.

6. Advertising/Publicity – Xiaoxi Wang, www.4spe.org/foams2016

- ◆ Max brought flyers to ANTEC® 2016. There are 150 copies for each of the three flyers: general flyer, tutorial trifold, and student activities.
- ◆ Chad sent the promotion slides to the moderators for the TPM&F sessions.
- ◆ Theresa had a very cool video made for FOAMS® 2016. It is perfect for our business meeting and other occasions. We will share the video once it is finalized.
- ◆ Xiaoxi worked on the Google Adwords campaign to boost Google search listing. It is on hold because the real web address is not intuitive. Xiaoxi will work with Scott on solutions.
- ◆ Xiaoxi will work with Scott on next email blasting. We will put a deadline for Boeing tour sign-up.
- ◆ Recently I received quite a few inquiries for the FOAMS® 2016 Conference. I am expecting another good year in terms of attendance!
- ◆ Promotion on Plastics News will start in early June. FOAMS® 2016 has been advertised in PE magazine since January.
- ◆ Once the Student Travel Award Program is approved by the BOD. We need to promote it among the potential FOAMS® 2016 attendees.

7. Sponsor/Exhibitors planning – Theresa Healy and Eric Teoh

We currently have 1 exhibitor signed up (Quantachrome). Theresa have solicited several others.

8. Hotel/Registration Update – Eric Teoh

From the SPE HQ we have 5 registrants. 2 of them booked the hotel. 4 of them booked the Boeing tour.

9. Spending Status – Chris Hall and Max Wingert. The only expense is the Boeing Tour tickets.

10. Help Needed: all

HIGHLIGHTS FOR TPM&F BOARD MEETING

Meeting Date: May 25, 2016

Minutes compiled by Maxwell Wingert

ATTENDANCE

Attending the BOD meeting in person: Anson Wong, Chul Park, Aaron Guan, Hani Naguib, Shu-Kai Yeh, Changchun (Chad) Zeng, Maxwell Wingert, Ana Paula De Azeredo (a guest from Braskem), Stephane Costeux, Donna Davis, Perry Vadhar, and Kathy Schacht (representative from SPE HQ)

Attendance via phone: Dale Grove, Kim McLoughlin (a guest from Braskem)

OPENING REMARKS – Dale Grove It is very sad to lose Ananda (Andy) Chatterjee. Max led a moment of silence, and the division reflected on Andy's life during our TPM&F business meeting yesterday. Dale mentioned that we need to fill his role for the PO conference. Donna said she will bring it up later.

Sal Monte received a plaque from our division for a TPM&F Division Lifetime Achievement Award; he will become our second emeritus board member along with Hank Schirmer.

Perry will be giving Max Wingert the 2 plastic awards (Gold Pinnacle and Communication Excellence Awards) to ship to Dale Grove. Donna Davis wonders if one of the universities for the professors on our board would like the house the awards. Hani suggested considering displaying them at future conferences. Donna will lead the decision making on the awards.

COUNCILOR CHAIR REPORT – Perry Vadhar Please see Perry's report in full for details, but here are the key points that Perry wanted to highlight:

1 The biggest change upcoming is in the Society's governance. There will be some shift in responsibilities between Council and General Board. This will be finalized and approved at next Councilors meeting in August 2016. Perry will share a PowerPoint presentation that shows proposed changes.

2. E-membership was introduced this year which allows for a free membership. However, to obtain full benefits you have to become Premium member. Mumbai, India section has now become the largest section of SPE after the introduction of E-membership.

3. This year's electronic voting (E-Voting) was used by SPE to elect new officers. This online system worked well. This system is available to sections and divisions

to use free of charge. Perry recommended using this tool for the future election.

4. SPE's three-year operating plan is already published and you can access that in the Leadership Lane.

5. SPE's revenue is declining. This is mainly due to reduction in revenue for journals, membership, and advertisement.

6. Kathy Schacht said soon the SPE Future rebates will be higher because it will move from \$7.5/member to \$10/members.

7. Perry said Brian Landes from the Council is soliciting ideas on how the Pinnacle Award competition should be rearranged. Perry suggested names of Xiaoxi and Theresa to help this task force. This will be a short-term commitment as Brian wants to finalize the new process by July.

8. Please send feedback to Donna and Perry on how to improve ANTEC®. Lower ANTEC® attendance has cost the society significant revenue over the past few years.

Dale says the key point for us should be that the SPE governance structure will be changed if the Council vote in August passes.

NEWSLETTER CHAIR REPORT – Aaron Guan

Aaron said the next issue is in June/July. We are currently doing three normal issues plus one special issue for best papers (*which date is not set yet but it will come after May*). Dale asked to highlight Ananda (Andy) Chatterjee during this next issue.

ELECTIONS – Dale announced the election results. He mentioned that Shu-Kai Yeh, a write in candidate, has joined the board. Shu-Kai mentioned that he has been involved with our division for about eight

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years. Max asked if we should reduce the number of board members as our division membership shrinks and also because we didn't have seven names on the ballot for seven positions. Stephane said advertising the call-for-nominations more broadly would have helped that. Donna said we should consider what diversity can offer in terms of having more board members. Donna pointed out that our board is presently underrepresented by thermoplastic suppliers.

TRAVEL AWARD: Anson has outlined a travel award competition. The candidates don't need to have final plans on what conference they'll attend. Anson asked for opinions on two \$1000 awards or four \$500 awards. Anson said more people voted on two \$1000 awards. Chad Zeng said that the award should be as broad reaching as possible. As an active professor, Chad Zeng thinks we'll get more students to be supported by their professors if we give out more awards. Perry suggested that we remove ANTEC® from the list of the conferences to choose from. Donna said otherwise we could withdraw from the SPE travel funds. Further discussion ensued from many people in the room. Dale asked Anson to organize a conference call on the issue. Dale urged anyone with an opinion to attend the conference call. We'll plan to vote via email afterward.

ANTEC® TPC REPORT: There are 5 sessions (*one of which was a joint session*). There was one no-show due to a travel visa issue and a second person no-show due to a travel visa related SPE issue. This person never got a letter from SPE inviting them to present which they needed for the visa process. Dale said Chad did a great job as a first-time TPC.

BEST PAPER AWARD: Gary Wilkes is running the Best Paper Award through a polled election this year. Perry suggested using the app to vote on best papers. Donna said that would be good to do because the app gets more acceptance (*Windows phone users can't access the app and others don't understand how to use it*).

TIMING FOR THE NEXT ANTEC® BOARD MEETING: The group discussed having future ANTEC® board meetings during Sunday afternoon prior to the conference. The proposed time is from 4:00 to 7:00p.m.

DISCUSS THE REST OF THE AGENDA: Dale asked for a conference call in a couple weeks from now to discuss the rest of the agenda. Donna said a key priority will be to ask volunteers to help with the PO conference. Dale asked for a second person to help with education activities, which is going to be filled by Ana.

HIGHLIGHTS FOR TPM&F BOARD MEETING

Meeting Date: June 12, 2016

Conference Call Meeting 5:00 Eastern Time

ATTENDANCE

Attendance via phone: Dale Grove, Xiaoxi Wang, Perry Vadhar, Stephane Costeux, Ashu Sharma, Theresa Healy, N.S. Ramesh, Changchun (Chad) Zeng, Maxwell Wingert, Gary Wilkes, and Shu-Kai Yeh.

OPENING REMARKS – Dale Grove Dale pointed out that all SPE meetings are governed by anti-trust policies. He thanked everyone for their time on this follow up meeting from the ANTEC® board meeting, and he also reminded every Chair to review their 2016-2017 goals.

MEMBERSHIP REPORT – Anson Wong Further discussion regarding the pros and cons of spreading the student travel award to more students versus funding the scholarship more continued. After the discussion began to repeat itself, it became clear that the discussion needed to end. Dale decided it was time to have a straw vote on whether there should be 2 students receiving the \$1,000 award or 4 students receiving the \$500 award. Each board member was instructed to send their response to Theresa and Dale no later than 6/15 at 5:00am eastern time. In the end, the four \$500 awards were accepted.

ANTEC® 2016 REPORT-BEST PAPER AWARD – Gary Wilkes The winner of the Best Paper Award from the five finalists was issued to the University of Wisconsin-Madison (*Alex M. Brill, Schyler Sanks, Mark Lind, and Tim A. Osswald of the Polymer Engineering Center*). The best paper was titled, "Viscoelastic Shear Analysis of Polymeric Foam Midsoles."

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Gary will send out a congratulatory letter to the winner. The results will be displayed on the TPM&F website and newsletter.

FOAMS® COMMITTEE REPORT – Stephane Cousteau The location of the next few FOAMS® Conferences needs to be decided upon. Past communication discussed holding the conference outside NA every three years and to alternate between NA, Asia, Europe, or Latin America. Xiaoxi suggested this gets reserved early to avoid any future conflicts with other conferences. Stephane will contact Sue and Kathy at SPE HQ to reserve some potential dates. Stephane would like to select the location of the 2017 through 2019 FOAMS® Conferences by the end of the year.

FOAMS® COMMITTEE REPORT – Xiaoxi Wang/Vipin Kumar Twenty eight papers have been received, and the Boeing tour arrangements after the Tutorial are going well Xiaoxi is expecting all 50 spots to be reserved for the tour. He is looking for plenary speakers from Nike. Ashu will send Nike prospective contact names to Vipin. Ashu mentioned the interest level of Nike would be in sustainable materials. A new edition of Plastics News ad should be out soon which will promote the FOAMS® Conference.

INTERNATIONAL POLYOLEFINS CONFERENCE 2017 – Donna Davis We need someone to fill in Andy's place at the Polyolefins Conference. If anyone knows of someone, please inform Dale. There was a few suggestions (*one was Ramesh and another was Dr. Su of Texas A&M*) of people that could be candidates for this role. During the meeting it was thought that the ideal candidate should be located in Texas; however, after conferring with Donna Davis, this criterion isn't necessary and Ana Paula de Azere-do has volunteered to fill this slot.

SECRETARY'S REPORT – Theresa Healy There was a motion to approve the February 22nd and May 25th Meeting Minutes as written, and the motion was passed by all 11 attendees on the call.

TREASURER'S REPORT – Maxwell Wingert See Max's report for details. The Division remains financially healthy. After discussing with the board members, Max proposed getting rid of the line items for technical training seminars where we have not spent

any funding for the past few years. If anyone needs additional money in their budget in order to meet their goals, send Max an email.

EDUCATION CHAIR UPDATES – Ashu Sharma Ashu reported that all the education goals were met. He does need help with the PlastiVan efforts. Kim McLoughlin of Braskem has volunteered to serve on the Education Committee. Xiaoxi mentioned that the NW Section has done the PlastiVan every year. As far as student activities and awards, there was some suggestion about advertising more for these awards. Dale mentioned directly emailing professors active in the foams and thermoplastic areas. Ashu and Kimberly will receive that list of professors to contact. Any other educational updates should be coordinated through Dale Grove because Ashu has stepped down as Chair.

INTERNATIONAL ACTIVITIES REPORT – Hani Naguib/Miguel Perez/Masahiro Ohshima There was nothing new to report at this time.

NEW AND OLD BUSINESS– NONE

Adjourn-6:21pm



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