



### Greetings from the President



**Dear members.....**

2018 is a time for change in the UK and Ireland Section of SPE. Our President Maryann Wilcox who has been our leader for a number of years has transferred back to the USA. I have therefore taken up the role of President until we hold new elections in May. You will see in this newsletter details about the upcoming election and I would urge all members of our section to consider putting their name forward to serve on the board. It is not an arduous job, various telecom meetings during the year and

supporting various initiatives to boast SPE in our region. If you want to consider the position but need any other information, please do not hesitate to contact me at [kenb@plasticsmg.com](mailto:kenb@plasticsmg.com)

Finally, I would like to congratulate the Imperial College SPE Students Chapter for their success in the last twelve months and look forward to more success in 2018.

## **Inside this Newsletter.....**

President's Message	1
Meet your board members/UK and Ireland section	3
Student chapter Committee	5
SPE UK section update	7
Student chapter News	9
Councilor's Report	14
Membership Report	16
Special and other Announcements	17
Advertising opportunities/Newsletter sponsorships	21
Upcoming events & ANTEC 2018	22
SPE calendar ( <a href="http://www.4spe.org">www.4spe.org</a> )	24

**Are you interested in volunteering for the UK & Ireland  
section Board?**

**Please email Ken Braney - [kenb@plasticsmg.com](mailto:kenb@plasticsmg.com)**

**Do you have questions related to UK & Ireland section  
membership?**

**Please email Dr Peter Cox - [drpeter.cox@pca-materials.com](mailto:drpeter.cox@pca-materials.com)**

# Meet our section Board of Directors



**Ken Braney**

Plastics Machinery group  
international Ltd.

President



**Jon Mitchell**

Nextek Ltd.

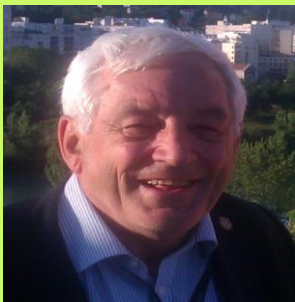
Technical programme and  
Councilor



**Emma Hockley**

Big Bear Plastic Products Ltd

Secretary



**Peter Cox**

Peter Cox Associates

Membership Chair/ Treasurer

## Meet our section Board of Directors...



**Manjula Silva**

Imperial College London

Student Liaison Chair



**Stuart Patrick**

Interim Chair IOM3 Polymer Society &  
Member MPG

Director / Treasurer, Newsletter



**Ed Koshior**

Nextek Ltd

Director

**Jeff Pitt**

Plaslogic Ltd

Director

**Andy McGarry**

Director

# Meet our Student Chapter Committee

## Student Chapter – Imperial College, London



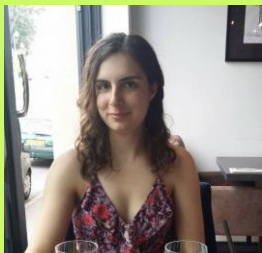
**Kathryn Bailey**

President



**Lawrence Good**

Vice President



**Cloe Fradin**

Secretary

# Meet our Student Chapter Committee



**Anastasios Lempidakis**

Treasurer



**Marios Sozos**

Sponsorship officer



**Alessandro Previero**

Events Officer



**Henry Payne**

Publicity Officer

# SPE UK & Ireland section updates

## ➤ Sponsorship for Conference attendance

As a part of developing younger professionals in the field, UK and Ireland section has dedicated their time and effort to sponsor a student to give an opportunity to explore and experience the conference environment. We focus on two categories, undergraduate and postgraduate students. As a part of our first phase, we have sponsored a student to attend ETD thermoforming conference with the generous support from few industrial partners and the ETD board. Our second phase is to sponsor a postgraduate student in 2019 to present their research at the ANTEC 2019 conference in May. Few industrial partners have kindly agreed to donate to sponsor a student for ANTEC and we welcome further support from you. If you are interested to be part of this generous course or for future sponsorships, please contact Dr. Manjula Silva at [k.silva@imperial.ac.uk](mailto:k.silva@imperial.ac.uk).

## ➤ Summer placement support for Imperial student chapter students

Following industrial partners listed in the table in the next page have offered to host some students during summer 2018 and we are very thankful to them.

INDUSTRIAL SUPPORT.....

Company	Speciality	Country	Status
Marbach	Tools, machines and equipment for packaging industry	Germany	Confirmed
Walter Pack	Design and functionality (manufacturing of plastic parts)	Spain	Shown interest
Self moulds	AI moulds for thermoforming	Italy	Shown interest
Sandberg LLP	Consulting	UK	Confirmed
Techno tool	Tool manufacturing for production of plastics	Denmark	In progress

## **SPE UK & Ireland section updates**

### **➤ Kindly seeking support**

To flourish the student chapter and to support our younger generation to enter to a profession in the field of Polymer/Plastics, volunteer support from the professional community is required. Our committee of the UK /IE section of SPE tirelessly work to help UK students in numerous ways. We would like to hear from generous industrial community or independent professionals who would like to host a plant tour in your industry or who could offer summer placements/internships and help our students to build up a professional identity and career progression in the polymer/plastic industry. Please contact Dr Manjula Silva at [k.silva@imperial.ac.uk](mailto:k.silva@imperial.ac.uk).

**Are you interested in volunteering for the UK & Ireland section Board?**

**Please email Ken Braney - [kenb@plasticsmg.com](mailto:kenb@plasticsmg.com)**

**Want to advertise in our newsletter?**

**Please email Stuart Patrick - [stuartpatri@gmail.com](mailto:stuartpatri@gmail.com)**

**Dr. Jon Mitchell - [jonmitchell@nextek.org](mailto:jonmitchell@nextek.org)**

**or Dr. Manjula Silva - [kmads123@yahoo.co.uk](mailto:kmads123@yahoo.co.uk)**



# Student Chapter News

- **Industry visit/Plant tour to Nampak**
- **Lunch time talk - Innovative research in the sustainability and recycling industry by Dr Jon Mitchell.**
- **Careers fair**
- **Upcoming events**

## ➤ **Industry visit/Plant tour to Nampak – 25<sup>th</sup> October 2017**

The student chapter of SPE UK/IE section at Imperial College London has organised its first industry visit with the support of the UK/IE section. The plant tour was organized in collaboration with Nampak Plastics Europe Ltd., Newport Pagnell and Oakthorpe, London and was hosted on 25<sup>th</sup> of October 2017 at the Nampak's in-house bottle manufacturing plant at Arla food Plc's Oakthorpe dairy at Oakthorpe.



# Student Chapter News...

Thirteen undergraduate students attended this event and the day began with the presentation from Nampak on the bottle manufacturing process. The presentation was based on very interesting topics to students such as different bottle designs, using recycled plastic for manufacturing and regulations etc. Then the students went on a tour of the processing plant where the bottle are made. During this tour discussions were made between students and education development team at Nampak. The Nampak Company was very generous to provide a wonderful lunch to students. In the afternoon students were toured in the dairy plant. To end this resourceful day, they had organized a small challenge to students. The day was very stimulating and the Company has taken every effort to diffuse knowledge to students to bridge the gap between student



# Student Chapter News...

Engineers and professional community. We are very thankful to all the members at Nampak Oakthorpe branch as well as people at Newport Pagnell branch who helped to organize this very successful event. We look forward to collaborating with them in the future events.

## ➤ Lunch time talk - 21st November 2017

A lunch time talk was presented at Imperial College London by the Imperial College Alumnus and the Project Manager at Nextek Ltd., Dr Jon Mitchell. He shared his experience being in the Plastic industry while talking on '**Innovative research in the sustainability and recycling industry.**'





# Student Chapter News...

More than 50 students attended and it was an interesting and resourceful talk. Students learnt about the polymer industry and some research carried out by Dr Jon for his PhD and lot more about the previous projects and current projects of Nextek. Dr Jon's PhD supervisors from Imperial College were also among the audience.

## ➤ **Careers fair – 1<sup>st</sup> November 2017**

The student chapter has been a part of the MatSoC's first career fair held in the department of Materials, Imperial College, London. This event was aimed towards undergraduate students, postgraduates and PhDs, whose courses of study include BEng/MEng in Materials Science and Engineering, MSc in Advanced Materials and MSc in Nuclear Materials. The event helps students to develop a long-term relationship with the societies such as SPE and other professional bodies.

The purpose of the event was to raise awareness of long-term career opportunities for Materials students, and to connect industry with talented and enthusiastic students from world-leading department. The interests align strongly with those of the SPE, so few delegates from SPE also engaged directly with over 250 students and expanded SPE brand on campus. Further interests from the academics were seen and requests were made to find some discipline specific (Polymer/ Plastic processing, manufacturing) summer placements for students.



Obtained from <https://photos.app.goo.gl/gqVvilDuU60xbJ1r1>

# Student Chapter News...



Obtained from <https://photos.app.goo.gl/gqVvilDuU60xbJ1r1>





➤ **Other Student chapter events – details to follow**

- **Lunch time talk - Plastics Moulding The Realities by David Russell, MD Thermoforming Business**
- **Recycling Plant visit to Viridor**
- **ETD conference**

## Councilor's Report



The Annual Technical Conference (ANTEC) brings experts from a variety of industry segments together for the largest technical conference in the plastics industry. The Society of Plastics Engineers (SPE) encourages any plastics professional to attend due to the benefits of networking with other colleagues across the industry along with access to 550+ technical and business papers on the latest innovative research and

# Councilor's Report ...

technology updates. Additionally attendees will have access to 60+ marketing presentations, panel discussions and tutorials.

A new concept for this year would be the [Technical Marketing track](#). Specific topical areas will showcase new products, processes and services. The innovations presented in these forums will be market entry technologies from the last couple of years or in the advanced stage of development. The audience will hear the problem, the economic benefits and the ease of commercialization and implementation.

So whether you are a plastic engineer, R&D scientist, technician, Technical sales & support, academic, student or manager we are certain you will learn the latest innovations in your industry and network with global industry experts. [SPE ANTEC® 2018](#) will take place in Orlando, FL from May 7-10, 2018 at the Orange County Convention Center.

Alongside ANTEC this year we have [NPE: The Plastics Show](#). This only occurs every 3 years and is attended by 65,000 professionals from 128 countries. So, after listening to the technical papers why not pop along to NPE and see many interesting processes and technology on show and exchange ideas with likeminded professionals in your field.

We are also excited to share with you a series of webinars throughout the year by industry experts. The first will be given by Professor Edward Kosior of Nextek Ltd on a very topical agenda in the media:

## ***'Stopping Ocean Plastics'***

This will take place on the 26th April with further details to follow. Please keep a look out for these webinars on key topics the industry is facing and have your say by joining the debate!



# Membership Report



The total membership for the UK & Ireland section has now reached an impressive 84 with many thanks to the Student Chapter and Manjula Silva at Imperial College for registering 33 undergraduate and post graduate students over the last year. In Ireland there are also 3 Student Members and maybe there could be a growth there as well in the future. Professional numbers are 10 for Ireland and 35 for the UK whilst the recently appointed SPE CEO Patrick Farrey is also a section member.

We are delighted to announce that a past section member, Prof Phil Coates, Advanced Materials Engineering Research Group, School of Engineering, University of Bradford, (<https://www.bradford.ac.uk/ei/engineering/staff-profiles/profile/?u=pdcoates>) has been honoured for his services to the plastics industries and research by being presented at ANTEC 2018 with a SPE International Award following his extensive work with 20 Chinese Universities. We will have to invite him to rejoin the section!

**Do you have questions related to UK & Ireland section membership?**

**Please email Dr Peter Cox - [drpeter.cox@pca-materials.com](mailto:drpeter.cox@pca-materials.com)**



# Special Announcement

## Election and nominations for board members

The Society of Plastics Engineers UK and Ireland Section will be holding their elections shortly. We are looking for members of our section to put their names forward to be elected to our board. The duties are not overtaxing, a maximum of 6 to 8 telephone conference calls a year lasting consisting of no more than an hour at a time to organise events and update the board on any actions or events that are being or have been planned. This volunteer effort enables us to help our industry and also supports our Student Chapter/s.

Please volunteer by send your details to;

Emma Hockley at [emmah@big-bear.co.uk](mailto:emmah@big-bear.co.uk)

## Other Announcements

### Webinar

‘Stopping Ocean Plastics’ by Professor **Edward Kosior from Nextek LTD**

#### Biography of the speaker



Edward Kosior received a Bachelor of Applied Chemistry and Diploma of Education from Melbourne University and Masters of Engineering Science in Polymer Engineering from Monash University Australia.

## Webinar...

Edward is an Honorary Professor at Brunel University London, at the Wolfson Materials Processing Centre; also Fellow of The Society of Plastics Engineers; Fellow of Royal Society for the Encouragement of Arts, Manufactures and Commerce.

Edward Kosior has been active as an innovator in polymer technology for the past 40 years both within universities, recycling enterprises and as Founder and Managing Director of Nextek Ltd, which has offices in UK, Australia and India. He holds several patents for the recycling plastics and been instrumental in the introduction of recycled plastics into food packaging in Europe and Australia (PET, HDPE and PP).

His goals are to help preserve and improve the natural environment through novel technologies that reduce waste generation and increase the closed loop economy that promotes high efficiencies in the use of limited resources and truly sustainable materials.

He is also working on mitigating plastics in oceans and encouraging adoption of science and best practices in avoiding the environmental problems facing developing countries.

### Webinar details .....

When- 26<sup>th</sup> April, 4pm GMT, 11AM EST (TBC)

Cost- \$50 USD

To register- TBC

## PDM event



PDM showcase latest innovations and excellence in the plastic industry and, is an event that should not be missed by the community involved in the industry. See below link for further details

<http://www.pdmevent.com/pdm2018/en/page/home>

**Professor Edward Kosior will be speaking at PDM on Wednesday 20<sup>th</sup> June in the Sustainability section on the following topic:**

**11:00 Stopping ocean plastics; an agenda for action**

**Prof Ed Kosior, CEO and Head Consultant, Nextek**

- The key problem: plastics, a long-lived material, is typically used for short-term purposes
- How a paradigm shift in the global and national management of this problem is required.
- A look at long-term solutions and how they must involve up-stream as well as downstream waste management strategies.
- The importance of redesigning packaging, reducing, recovering and stabilising the markets for recycled plastics through mandatory recycled content is paramount.

## Plastic industry award

SPE UK is delighted to be supporting the prestigious Plastics Industry Awards. Held annually at London's Hilton Hotel, the awards, organised by Crain Communications, recognise and reward excellence in the UK plastics industry at what is without a doubt the most glamorous event of the plastics year!

In supporting the awards, SPE UK will benefit from additional exposure of our logo on all key elements of the Plastics Awards collateral, including the Awards website, all email marketing for the Plastics Awards, all display advertising in Plastics News Europe, all tickets to the event, as well as on the video loop at the Awards and in the Awards Brochure. The SPE UK Board are discussing how we can maximise the opportunity of this exposure to highlight the benefits of SPE membership to a wider audience.

### **Newsletter suggestions? Want to advertise in our newsletter?**

**Please email Dr. Jon Mitchell - [jonmitchell@nextek.org](mailto:jonmitchell@nextek.org)**

**Stuart Patrick - [stuartpatri@gmail.com](mailto:stuartpatri@gmail.com)**

**or Dr. Manjula Silva - [kmds123@yahoo.co.uk](mailto:kmds123@yahoo.co.uk)**

# Advertising opportunity/Newsletter sponsorships

## Dear Sponsors.....

We are currently looking for Sponsor Display Ads from your prestige organisations for section Newsletter! To show your support for plastic industry and in particular for UK & Ireland section of the Society of Plastics Engineers newsletter, please consider taking part in this significant communication effort.

### Page Sizes Available (Full year commitment, for 3 issues)

	Normal rate	Special rate until 31 <sup>st</sup> May
Full page (8½" X 11")	£300	150
Half page	£150	75
Quarter page	£100	50

**SPECIAL ADVERTISING RATE IS AVAILABLE FOR NEXT NEWSLETTER UNTIL  
END OF MAY 2018, ACT TODAY!!!**

Our newsletter is prepared and circulated three times per year. Every section member from industry, academia or consultancy services receives a copy emailed directly to their listed address. Additional copies are also circulated via social media in our continuing effort to reach novel, energetic young professionals, potential members and other interested individuals.

**Interested in advertising in our newsletter?**

**Please email Stuart Patrick - [stuartpatri@gmail.com](mailto:stuartpatri@gmail.com)**

# Upcoming Events



**550+ Technical Papers & 60+ Technical Marketing Presentations in the following areas:**

Additive Manufacturing/3Dp

Joining of Plastics & Composites

Advanced Energy

Medical Plastics

Alloys & Blends

Mold Technologies

Applied Rheology

Plastic Pipe & Fittings

Automotive

Plastics in Building & Construction

Bioplastics

Polymer Analysis

Blow Molding

Polymer Modifiers & Additives

Color & Appearance

Product Design & Development

Composites

Reaction Injection Molders

Decorating & Assembly

Rotational Molding

Electrical & Electronic

Sustainability

Engineering Properties & Structure

Thermoforming

Extrusion

Thermoplastic Elastomers

Failure Analysis & Prevention

Thermoplastic Materials & Foams

Flexible Packaging

Thermoset

Injection Molding

Vinyl Plastics

## **NPE 2018/ Plastic show**



**May 7-11, Orange county convention Center, Orlando, Florida, USA**

**The world's leading plastics trade show and conference**

**More details can be obtained from <http://www.npe.org/about-npe2018>**

## 2018 SPE events

### **18 Additives & Color Conference Middle East**

Apr April 18-19, 2018, Manama, Bahrain

### **30 AUTO EPCON 2018**

Apr April 30-May 1, 2018, Troy, Michigan

### **7 ANTEC® 2018 @NPE2018**

May May 7-10, 2018, Orlando, Florida

### **1 Annual SPE Seminar Singapore 2018**

Jun June 1, 2018, Nanyang Technological University, Singapore

### **3 Rotational Molding Conference 2018**

Jun June 3-6, 2018, Cleveland, Ohio

### **14 SPE Extrusion MiniTec**

Jun June 14, 2018, Detroit, Michigan

### **21 SPE Extrusion MiniTec**

Jun June 21, 2018, Marietta, Georgia

### **5 SPE Automotive Composites Conference & Exhibition**

Sep September 5-7, 2018, Novi, Michigan

### **11 Advances in Foam Materials & Technology**

Sep September 11-14, 2018, Montreal, Quebec, Canada

### **18 2018 Thermoplastic Elastomers Conference - Innovation Bounces Back**

Sep September 18-20, 2018, Akron, Ohio



# Event calendar from website ([www.4spe.org](http://www.4spe.org) )

## 2018 SPE events

- 23** **Color and Appearance Conference: (CAD RETEC®)**  
Sep September 23-25, 2018, North Charleston, South Carolina
- 24** **Thermoforming Conference®**  
Sep September 24-26, 2018, Fort Worth, Texas
- 7** **Automotive TPO Conference**  
Oct October 7-10, 2018, Troy Marriott (Detroit Suburbs), Michigan
- 8** **Annual Blow Molding Conference 2018**  
Oct October 8-10, 2018, Pittsburgh, Pennsylvania
- 23** **Vinyltec® 2018: PVC Additives Today and Tomorrow**  
Oct October 23-25, 2018, Chicago, Illinois
- 28** **FlexPackCon® 2018**  
Oct October 28-31, 2018, Phoenix, Arizona
- 7** **48th Annual SPE Automotive Division Innovation Awards Gala**  
Nov November 7, 2018, Livonia, Michigan

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# Event calendar from website ([www.4spe.org](http://www.4spe.org) )

## 2019 SPE events

### 2019

**24** [International Polyolefins Conference](#)

Feb [February 24-27, 2019, Houston, Texas](#)

**18** **ANTEC® Detroit**

Mar March 18–20, 2019, Renaissance Center Detroit, MI

**9** **Thermoforming Conference®**

Sep September 9-12, 2019, Milwaukee, Wisconsin

**16** **Annual Blow Molding Conference 2019**

Sep September 16-18, 2019, Atlanta, Georgia

**23** **Color and Appearance Conference: (CAD RETEC®)**

Sep September 23-25, 2019, Cleveland, Ohio

**23** **Annual Blow Molding Conference 2019**

Sep September 23-25, 2019, Atlanta, Georgia

**1** **Vinyltec® 2019 Conference**

Oct October 1-3, 2019, Akron, Ohio

**6** [Automotive TPO Conference](#)

Oct [October 6-9, 2019, Troy Marriott \(Detroit Suburbs\), Michigan](#)

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