



**Elastomer  
Group**



# ***Plastics and Rubbers on the Net Zero Carbon Timeline***

**Thursday 15<sup>th</sup> June, 2023**

**The Dalton Room, Core Technology Facility (CTF),  
University of Manchester  
46 Grafton St,  
Manchester  
M13 9WU**

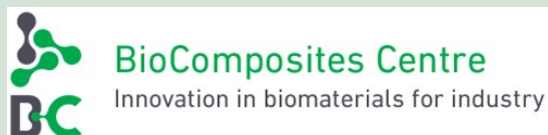


# Plastics and Rubbers on the Net Zero Carbon Timeline

The Manchester Polymer Group, in conjunction with the IoM3 Elastomer Group, are pleased to announce their next joint full day Seminar to be held on 15<sup>th</sup> June 2023. at The Dalton Room, Core Technology Facility (CTF), University of Manchester.

The Seminar will address the latest developments and challenges in meeting and improving the sustainability of elastomers and polymers, through a wide programme consisting of twelve papers detailed on the following pages.

Please use the application form to register your attendance and join these organisations for this exciting educational and networking opportunity.



# Plastics and Rubbers on the Net Zero Carbon Timeline

<b>9.00am</b>	<b>Registration &amp; Coffee</b>
<b>9.30am</b>	<b>Welcome address – Dr Clive R Fenn</b>
<b>Session 1: Overview—Chair: Dr Clive R Fenn</b>	
9.40am	<b>Packaging can save money and the planet!</b> Tim Barbary, Benchmark / Midlands Packaging Society
10.00am	<b>Cultivating Sustainable Relationships with Plastics</b> Dr Chloe Loveless, Sustainable Materials Innovations Hub
<b>10.20am</b>	<b>Session 1: Q&amp;A</b>
<b>Session 2: Sustainability of polymers—Chair: Dr Christina Picken</b>	
10.30am	<b>The Sustainable Polymers and Elastomers</b> Ajithkumar Sukumaran Nair, CLWYD COMPOUNDERS
10.50am	<b>Innovative Sustainable Solutions for Training Shoe Design</b> Sara Naderizadeh, QMUL
<b>11.10am</b>	<b>Session 2: Q&amp;A</b>
<b>11.20am</b>	<b>Coffee</b>
<b>Session 3: Biopolymers &amp; Additives—Chair: Dr Chris Williams</b>	
11.40am	<b>How Sustainable Carbonaceous Materials can Help Industry Meet the Challenge of Net Zero</b> Joe Hallet, Birla Carbon
12.00pm	<b>A Novel Highly Resilient and Biorenewable Synthetic Elastomer from Plant-based Raw Materials</b> Sungkwon Yoon, Queens University Belfast
12.20pm	<b>Novel bio-based self-healing thermoplastic polyurethanes</b> Thomas Griggs, Queens University Belfast
<b>12.40pm</b>	<b>Session 3: Q&amp;A</b>
<b>12.55pm</b>	<b>Networking Lunch</b>
<b>Session 4: Recycling—Chair: Stuart Patrick</b>	
2.30pm	<b>Recycled plastic content quantified through aggregation-induced emission: ReCon2</b> Dr Thomas Bennett, Sustainable Materials Innovations Hub
2.50pm	<b>An overview of the challenges and issues for plastic film recycling and potential solutions</b> Dr Qiuyun Liu, Biocomposites Centre, Bangor University
3.10pm	<b>Coffee</b>
3.30pm	<b>Optimisation of sulphur curing formulation to enable recyclability for Natural Rubber</b> Anureet Kaur, QMUL
3.50pm	<b>Steam Depolymerisation of waste PET Fibers to Terephthalic Acid followed by Re-polymerisation</b> Hubertus Warsahartana, B&M Longworth
<b>4.10pm</b>	<b>Session 5: Q&amp;A</b>
<b>4.30pm</b>	<b>Closing remarks followed by Networking</b>
<b>5.00pm</b>	<b>Close</b>
<b>The program may be subject to change</b>	

## Registration

To reserve your place at this one-day seminar, please use the registration form at the end of this program.

Attendance costs £40 for members of IOM3 & £75 for non-members. Students and Apprentices can attend free of charge. The registration fee includes all refreshments and lunch.

This conference represents excellent value for money with the subject matter covered and opportunities to network with multi-national and SMEs. It is recommended that you reserve your place early to avoid disappointment.

**Opportunities exist for table top exhibitions at a cost of £175 to include two delegates.**

**Payment may be made by CHEQUE or BACS.**

## Travel, Directions & Accommodation,

**The Dalton Room, Core Technology Facility (CTF),  
University of Manchester  
46 Grafton St, Manchester M13 9WU**

If you or your delegates require overnight accommodation, preferential rates are available at the 4\* Hyatt Regency and Hyatt House, located at the heart of the Oxford Road campus.

For individual bookings on a University account code, standard rooms can be booked at £145.08 per night B&B. Bookings should be made directly with the Alliance Manchester Business School <<https://www.alliancembs.manchester.ac.uk/contact/hotel-bookings/>> team.

There are extensive car parking facilities nearby.

## Accreditation

The seminar is approved for Professional Development by IOM3



## Contact

For further information or general enquiries please contact Dr Gary Ogden  
mobile: 07908 863727  
e-mail: [garyogden48@gmail.com](mailto:garyogden48@gmail.com)



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## Plastics and Rubbers on the Net Zero Carbon Timeline

Thursday 15<sup>th</sup> June, 2023, The Dalton Room, Core Technology Facility (CTF),  
University of Manchester

### DELEGATE REGISTRATION FORM

COMPANY

ADDRESS

INVOICE ADDRESS (If different)

CONTACT NAME

CONTACT TELEPHONE  
NUMBER

CONTACT EMAIL AD-  
DRESS

**REGISTRATION FEE:- £75 NON-MEMBERS / £40 MEMBERS (MUST QUOTE IOM3 MEMBERSHIP NUMBER)**

#### DATA PROTECTION INFORMATION

*PLEASE COMPLETE THE FORM ON FOLLOWING PAGE AND RETURN A COPY FOR EACH INDIVIDUAL APPLICANT*

APPLICANT(S) NAME(S)

IOM3 membership  
No (if applicable)

Registration fee payable

TOTAL FEE

£

The completed registration form and cheque  
made payable to  
“MANCHESTER POLYMER GROUP” for  
the appropriate amount should be sent to:

Dr Gary Ogden  
9 School Road  
West Felton  
Shropshire  
SY11 4HH  
e-mail: garyogden48@gmail.com

**Direct invoicing: please complete and return the registration form together with a Purchase Order Number.**  
**NOTE: PAYMENT TERMS ARE 7 DAYS FROM DATE OF INVOICE / MPG IS NOT VAT REGISTERED**

Payment by BACS can  
be  
made using the details  
opposite

BARCLAYS PLC, MANCHESTER CITY OFFICE, 51 MOSLEY STREET,  
MANCHESTER M60 2AU  
A/C NAME: MANCHESTER POLYMER GROUP SOCIAL ACCOUNT  
A/C NUMBER: 80962384 / SORT CODE: 20-55-59  
Quote reference “SUSTAINABILITY 23” on payment  
IBAN GB53 BARC 20555980962384 SWIFT BARCGB22

To assist with planning, confirmation of attendance along with your payment should be made no later than 1<sup>st</sup> June 2023. However every effort will be made to accommodate interested delegates after this date.

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Thursday 15th June 2023

## **Data Protection Information**

The Manchester Polymer Group is an affiliated local society of the Institute of Materials, Minerals and Mining (IOM3), [www.iom3.org](http://www.iom3.org)

The Manchester Polymer Group will store your data in order to be able to send you information about this and future events and to assist you with your attendance. Please note if you do not agree to us storing this information we will not be able to send you information about future MPG events.

All personal information provided will be processed in line with the General Data Protection Regulation.

**PLEASE GIVE YOUR CONSENT FOR MANCHESTER POLYMER GROUP TO:**

	Yes/No
<i>Keep you informed via email of the latest events run by Manchester Polymer Group</i>	
<i>Use photographs, quotes and/or recordings of, or given by you either singularly or in conjunction with other photographs and/or recordings for advertising, publicity, commercial or other business purposes.</i>  <i>These will be used for the promotion of your business , the MPG event and through press releases, social media etc.</i>	
<b>Name (printed):</b>  <b>Signature</b>  <b>Date:</b>	

You can withdraw your consent or opt out of receiving correspondence at any time by emailing David Baker, Hon. Secretary, MPG at [david@perrite.co.uk](mailto:david@perrite.co.uk)