Rubber – a Resilient Future Part 2
Compounding to Meet Engineering Challenges
Monday 20th April 2015
Lancashire County Cricket Club
Emirates Old Trafford
Manchester

Sponsored by

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# Rubber – a Resilient Future Part 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9.00am – 9.40am</td>
<td>Registration</td>
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<tr>
<td>9.40am – 9.45am</td>
<td>Welcome address</td>
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<td><strong>Keynote Presentation</strong></td>
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Dr. Gilles Moninot, Global Sustainability Director, Birla Carbon |
| **Session 1 - Processing** |                                                                 |
| 10.15am – 10.45am | Taking the heat out of intensive mixing                               
David Brown, TecExec Ltd |
| 10.45am - 11.15am | Potential for reduction of cure time in rubber injection moulding.     
Prof. Walter Friesenbichler, University Leoben, Austria |
| 11.15am - 11.45am | Combining Compound Optimization and Mix Cycle Evaluation to Suit Customer Production Techniques and End Product Performance  
Izaak Watson, Clwyd Compounds |
| 11.45am – 12.00pm | Coffee break                                                          |
| **Session 2: New Materials** |                                                                 |
| 12.00pm – 12.30pm | Two Component Material from 3M and DSM                                
John Donoghue, 3M |
| 12.30pm – 1.00pm  | Graphene                                                             
Martin Williams, Haydale Limited |
| 1.00pm – 2.30pm   | Lunch                                                                 |
| **Session 3: Carbon Black** |                                                                 |
| 2.30pm – 3.00pm   | Corax HP1125 – New Furnace Black for use in Tyres for Off- and On/Off-Road Applications  
Dr Florian Diehl, Orion Carbon, Germany |
| 3.00pm – 3.30pm   | Recovered Carbon Black: Now a Commercial Scale Product for the Rubber Industry  
Dr. Joe Hallett, carbon clean tech AG |
| 3.30pm - 3.45pm   | Coffee Break                                                          |
| **Session 4: Research & Regulations** |                                                                 |
| 3.45pm – 4.15pm   | New Proposal Following New Regulations                                
Martin Cicognani, Hubron Speciality |
| 4.15pm – 4.45pm   | Carbon Black Flocculation in Rubber Melts                              
Lewis B. Tunnicliffe, Queen Mary University of London |
| 4.45pm – 5.00pm   | Closing remarks                                                       |

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**Sponsors**

- Aditya Birla
- Queen Mary University of London
- Columbian
- Orion Engineered Carbons
- MLPC International
- 3M
- 3M
- CCT
- Hubron
- Montan Universität
- CCT
- CUWYD Compounding Ltd
- Arkema Group
- TecExec
- University of London
- Queen Mary University of London
- MLPC International
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/RAPRA & £80 for non-members. Students and Apprentices can attend free of charge. The registration fee includes all refreshments and buffet lunch. The presentations will be available to download after the conference.

This conference represents an excellent value for money with the subject matter covered and opportunities to network with multi-national and SMEs at the historic Lancashire Cricket Club. Places are limited so it is recommend that you reserve your place early to avoid disappointment.

Opportunities still exist for table top exhibitions at a cost of £175 which includes up to 2 delegates.

Accommodation

The Old Trafford Lodge is a superb 68 bedroom hotel situated within the grounds at Emirates Old Trafford. With 36 of the rooms hosting their own private balcony overlooking the historic pitch, a truly unique stay is guaranteed. To book your stay at the Old Trafford Lodge, simply call the hotel’s 24 hour reservations line on: 0161 874 3333 or e-mail lodge@lccc.co.uk

Manchester has many other hotels both in the City and at The Airport, with easy transport links to LCCC.

Travel & Directions

The address of Lancashire County Cricket Club is:

Lancashire County Cricket Club
Emirates Old Trafford
Manchester M16 0PX

Detailed travel instructions and directions to Lancashire County Cricket Club can be found at:

http://www.emiratesoldtrafford.co.uk/directions/

Accreditation

The seminar is accredited as approved Professional Development by IOM3

Contact

For further information or general enquiries please contact Gary Ogden:
Tel: +44 7908 863727
e-mail: garyogden1@btinternet.com
**DELEGATE REGISTRATION FORM**

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**Contact telephone number:**

**Contact e-mail address:**

**Applicant(s) details**

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<th>IOM3/RAPRA membership No (if applicable)</th>
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Total £…………………………………

**Payment can be made by Cheque or BACS using the details below:**

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

**Dr. Gary Ogden**  
Manchester Polymer Group,  
9 School Road  
West Felton  
Shropshire SY11 4HH

Payment by BACS can be made using the following details:

BARCLAYS PLC, MANCHESTER CITY OFFICE, 51 MOSLEY STREET, MANCHESTER M60 2AU  
SORT CODE: 20-55-34  
A/C NAME: MANCHESTER POLYMER GROUP SOCIAL ACCOUNT  
A/C NUMBER:80962384  
Quote reference “SEMINAR” on payment

Should you wish for your company to be invoiced directly then please complete the registration form and send to the address above together with a Purchase Order Number.

Confirmation of attendance should be made no later than 2 weeks prior to the event and that payment must be made no later than Monday 13th April 2015.