IMechE Aerospace North West

Meeting Minutes

A meeting of the IMechE Aerospace North West committee was held on Monday 21st January 2019 at David Lloyd Club, Chorley. The meeting commenced at 18:30 till 20:30.

<table>
<thead>
<tr>
<th>Chairman</th>
<th>Paul Gardner</th>
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<tbody>
<tr>
<td>Vice Chairman</td>
<td>David Entwistle</td>
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<td>Immediate Past Chairman</td>
<td>Euan Mason</td>
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<tr>
<td>Hon Secretary</td>
<td>Rebecca Donald-Lopez</td>
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<tr>
<td>Hon Treasurer</td>
<td>Manuel Donald-Lopez</td>
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<tr>
<td>Committee members</td>
<td>Martin Baxter, Billy Beggs, Ivan Dean, Emma-Jane Guy, Martin Hyman, Andrew Medd, Thurai Rahulan, Joseph Soltan, Clive Winby</td>
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</table>

1 Attendees

- Martin Baxter (MB) BAE SYSTEMS
- David Entwistle (MB) BAE SYSTEMS /Vice Chairman IMechE ANW
- Ivan Dean (ID) Past Chairman IMechE ANW
- Thurai Rahulan (TH) University of Salford / Royal Aeronautical Society
- Andrew Medd (AM) IMechE Education Advisory Group
- Manuel Donald-Lopez (MDL) BAE SYSTEMS / Hon Treasurer IMechE ANW

2 APOLOGIES WERE RECEIVED FROM

- Martin Hyman (MH) Business Consultant
- Billy Beggs (BB) UCLA
- Rebecca Donald-Lopez (RDL) BAE SYSTEMS / Hon Secretary IMechE ANW
- Paul Gardner (PG) Safran Nacelles / Chairman IMechE ANW
- Joseph Soltan (JS) Solvay
- Clive Winby (CW) SILCOMS Ltd.
3 MINUTES FROM THE LAST MEETING

Minutes Were Agreed.

4 REVIEW OF ACTIONS FROM LAST MEETING

4.1 Paul Gardner to contact for Blackpool Spitfire simulator. Paul to query what will be the difference between the IMechE event and events open to the general public.

Still needs to be done
Action Carried

4.2 Paul Gardner took an action to draft an email to send to the region asking for new committee members. This needs to mention the CPD/Chartership benefits to encourage people to join.

Still needs to be done
Action Carried

4.3 Billy Beggs to book the lecture room for Graphene Lecture.

Room now booked for 26th February
Action Complete

4.4 Billy Beggs to send Rebecca the information for the Graphene Lecture required in order to advertise the event (a description of the lecture, venue, time and a good quality photograph for the poster).

Material Received and poster created
Action Complete

4.5 Rebecca Donald-Lopez to create a poster for the Graphene Lecture, put the event details on the website and send the details to the region for advertising.

Poster Completed and on website
Action Complete

4.6 Joseph Soltan to liaise with the Model Aircraft club in order to confirm a date & time for this event (hoping to hold in April 2019).

Still need to set a date for this

http://nearyou.imeche.org/near-you/UK/North-Western/Aerospace-North-West

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Action Carried

4.7 **Martin Baxter to obtain speaker contact details for a lecture on Solar Hale.**
   
   Decision to go for a May date. Location to be discussed at next meeting.
   
   **Action Carried**

4.8 **Billy Beggs to make further enquiries regarding a talk/visit on Wind Turbines at Siemens in Brough.**

   Still needs to be done
   
   **Action Carried**

4.9 **Committee to let us know if you can source an engine cut away for educational purposes at a reasonable price.**

   AM reported that NWAA had a Haynes model that was displayed at a recent event.
   PG thinks he can get Safran to make one as a project.
   ID Mentioned that Rolls Royce used to do cardboard models that people could make.
   
   **Action Carried**

5 **TREASURERS REPORT**

   MDL reported that the budget for running the North West centre this year is the remaining balance from last year. This was £3477.33. Expenditure for 2018 was £2566.00 so with similar levels of expenditure in 2019 the year end balance would be around £900.

   A detailed projected expenditure for 2019 will be provided for the next meeting

   **Action:** Manuel Donald-Lopez to produce projected expenditure data.

6 **AEROSPACE DIVISION & HQ UPDATES**

   No Updates

7 **Schools and Education Engagement**
Lancashire Science Fair is on Thursday 27, Friday 28 and Saturday 29th of June at UCLAN. IMechE is planning to be present for all three days so it would be good to have some volunteers helping from the Aerospace Committee. Also providing some give aways for the Thursday and Friday would be beneficial.

Committee has a selection of pens, pencils, rulers etc. that could be provided for this purpose.

8 EVENTS & ACTIVITIES PROGRAMME - 2019

The preferred day for events to be held is a Tuesday.

8.1 Use of Graphene in Aerospace
Title: Use of Graphene in Aerospace
Date: 26 Feb 2019
Venue: UCLAN
Time: 18:00 for 18:30
Organiser: Billy Beggs
Re-arranged date due to lack of publicity for original November Date

8.2 Aerodynamic Design of commercial aircraft - Airbus A380 and the future
Title: Aerodynamic Design of commercial aircraft - Airbus A380 and the future
Date: 14th March 2019
Venue: Hemsley House, 41-42, Crescent, Salford M5 4WT
Time: 18:30 for 19:00
Organiser: Thurai Rahulan

Speaker is Bahrooz Bazegar and event will be joint with RAes Manchester. The lecture is free but to register for the buffet at the same venue after the lecture, please send a cheque for £15 made out to “The RAeS Manchester Branch” to:
The RAeS MB Honorary Treasurer
Mr Allan Shimmin CEng MRAeS
16 Winnington Road
Marple
SK6 6PD

http://nearyou.imeche.org/near-you/UK/North-Western/Aerospace-North-West

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8.3 **F35 and Queen Elizabeth Carrier Integration Testing**

**Title:** F35 and Queen Elizabeth Carrier Integration Testing  
**Date:** 17th April 2019  
**Venue:** Canberra Club, Samlesbury  
**Time:** 18:00 for 18:30  
**Organiser:** Manuel Donald-Lopez

Speaker has accepted date of 17th April and Canberra club room and catering has been booked. Poster and advertising now needs to be completed

**Action:** Manuel Donald-Lopez to liaise with speaker to create suitable publicity

8.4 **Blackburn Model Aircraft Club**

**Title:** Model Aircraft Demo  
**Date:** April 2019  
**Venue:** Witton Park, Blackburn  
**Time:** TBD  
**Organiser:** Joseph Soltan

Date and time needs confirmation

8.5 **Airbus Broughton Visit**

**Title:** Airbus Broughton Visit  
**Date:** 26th September  
**Venue:** Airbus, Broughton  
**Time:** 9:00am  
**Organiser:** David Entwistle  
Date and time and transport arrangements needs confirmation

9 **ANY OTHER BUSINESS**

Andrew Medd gave notice of resignation from the committee due to moving to Ingleton in the near future. Andrew asked whether we wanted to recruit a representative from Lancashire Area as a replacement. David Entwistle stated that he would attend a regional meeting to see if links can be made.

10 **DATE OF NEXT MEETING**

Next meeting: **Monday 4th March 2019** – at David Lloyd Club, Chorley, 18:15.

http://nearyou.imeche.org/near-you/UK/North-Western/Aerospace-North-West

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11 DATE OF PROPOSED IMECE COMMITTEE MEETINGS 2019

- Monday 21 January 2019
- Monday 4 March 2019
- Monday 8 April 2019
- Monday 20 May 2019
- Monday 1 July 2019
- Monday 2 September 2019
- Monday 14 October 2019
- Monday 2 December 2019

Minutes taken by:
Manuel Donald-Lopez
Hon Treasurer IMechE Aerospace North West
21st Jan 2019
Appendix 1

IMechE ANW 2019 Programme

* TUESDAY is the preferred day for events to be held

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>VENUE</th>
<th>TITLE</th>
<th>LECTURER</th>
<th>ORGANISER</th>
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<tbody>
<tr>
<td><strong>26th Feb 2019</strong></td>
<td>18:00 for 18:30</td>
<td>UCLAN</td>
<td>Use of graphene in Aerospace</td>
<td>Billy Beggs</td>
<td>Rebecca Donald-Lopez</td>
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<td><strong>14th March 2019</strong></td>
<td>18:30 for 19:00</td>
<td>Hemsley House</td>
<td>Aerodynamics &amp; Commercial Aircraft</td>
<td>Behrooz Barzegar</td>
<td>Joint with RAeS</td>
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<td><strong>17th April 2019</strong></td>
<td>19:00</td>
<td>Canberra Club, Samlesbury</td>
<td>F35 and Queen Elizabeth Carrier Integration Testing</td>
<td>David Atkinson</td>
<td>Manuel Donald-Lopez</td>
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<td><strong>28th April 2019</strong></td>
<td>14:00</td>
<td>Witton Park Blackburn</td>
<td>Model Aircraft Event</td>
<td>N/A</td>
<td>Joseph Soltan</td>
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<td>May 2019</td>
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<td><strong>26th September 2019</strong></td>
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<td>Broughton</td>
<td>Airbus Visit</td>
<td>TBD</td>
<td>David Entwistle</td>
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<td>October 2019</td>
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<td>November 2019</td>
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Appendix 2

Treasurers Report

At this meeting the Committee had not spent any money so the running balance was same as year end = £3477.33

Detailed projected expenditure will be provided for the March Meeting
Appendix 3

Wish List of Future Events

- Samlesbury ASK Facility Visit
- Uber Vertical Taxi
- Jet Suit – Richard Browning
- Clean Sky 2 - compound helicopter
- Aero Gearbox International
- Wind Turbine Blades - Siemens have recently opened a factory in Hull.
- Manchester Airport Upgrade Plans – Clive Winby WIP
- Concorde & Son of Concorde – Next generation supersonic aircraft & Concorde Visit
- Subsidized visit to Concorde only– Aviation viewing park
- Nimrod replacement talk & visit – Aviation viewing park
- Model Aircraft
- Maintenance
- Aircraft ducting
- Aircraft de-icing
- Aerodynamics
- Hawk hook on AC carriers
- Hawk systems into a new airframe
- Hot Air Balloon lecture possibly combined with Balloon Festival
- Hand Glider Material
- Woodford Flight Simulator – Oxford Aviation
- Aerial Survey/Google Maps
- New MBDA factory tour
- Space Tourism
- The Crash Detectives (book by Christine Negroni)
- Avionics Lecture