IMechE Aerospace North West

Meeting Minutes

A meeting of IMechE Aerospace North West committee was held on Monday 19th May 2014 at David Lloyd Club, Chorley. This meeting commenced at 18:30 till 20:30.

<table>
<thead>
<tr>
<th>Chairman</th>
<th>Vacancy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temporary Chairman</td>
<td>Ivan Dean</td>
</tr>
<tr>
<td>Vice Chairman</td>
<td>Vacancy</td>
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<tr>
<td>Immediate Past Chairman</td>
<td>Iain Minton</td>
</tr>
<tr>
<td>Hon Secretary</td>
<td>Rebecca Donald-Lopez</td>
</tr>
<tr>
<td>Hon Treasurer</td>
<td>Manuel Donald-Lopez</td>
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</tbody>
</table>

Committee members

| David Ball
| David Barrett
| Martin Baxter
| Paul Gardiner
| Kevin Hudson
| Martin Hyman
| Euan Mason
| Andrew Medd
| Thurai Rahulan
| Graham Roe
| Clive Winby

1 ATTENDEES

Martin Baxter, BAE Systems
Ivan Dean, Temporary Chairman ANW
Rebecca Donald-Lopez, BAE Systems / Hon Secretary IMechE ANW
Martin Hyman, Business Consultant
Andrew Medd, IMechE Trustee Board
Thurai Rahulan, University of Salford / Royal Aeronautical Society

Apologies were received from

David Ball, IMechE Power Industries Division NW Centre Chairman
Manuel Donald-Lopez, BAE Systems / Hon Treasurer IMechE ANW
Paul Gardiner, Aircelle
Euan Mason, BAE Systems / Lancashire Area Chairman
Iain Minton, Aircelle / Past Chairman IMechE ANW
Graham Roe, Royal Aeronautical Society
Clive Winby, SILCOMS Ltd.

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

Improving the world through engineering
2 APPROVAL OF MINUTES OF LAST MEETING
The minutes from the last meeting held on 14th April 2014 were agreed as a true and accurate record. Martin Hyman pointed out that Kaman Engineering had been spelt incorrectly in the last minutes.

3 SUCCESION PLANNING
Ivan Dean reported that Euan Mason still wishes to go ahead and fill the Chairman vacancy. Euan thinks that work will sponsor him to go to all relevant meetings required. Euan will take over as chairman at the next committee meeting, which will be the last meeting before summer.

4 TREASURERS REPORT
Rebecca Donald-Lopez presented the ANW finances on behalf of Manuel Donald-Lopez. Rebecca reported that the only change from the last meeting was the expenses for that meeting. ANW finances can be seen in Appendix 2.

5 AEROSPACE DIVISION & HQ UPDATES
HQ had a Board meeting; however nobody from our committee attended on this occasion. Ivan Dean took an action to send any notes to Rebecca to circulate to the committee.

Action: Ivan Dean

Dr Helen Meese is running a new initiative at HQ, 'Engineering in Society', more details of which should have been discussed at the Board meeting. HQ is requesting papers on the subject of ‘Where is transport going to be in the next 70 years’.
The committee members discussed various possible lecture titles based on the above subject which can be seen below:

- Space Tourism/Hotels in Space
- What fuel will be being used in 70 years’ time?
- UAV’s everywhere
- Airships
- Ageing Airlines
- Airports
- VTOL Airlines

6 SCHOOLS SUPPORT & WIND TUNNEL UPDATE
Ivan Dean reported that the wind tunnel is up and running and that he is part way through the lesson plans, which will be finished in time for the next event in the middle of June (Euan Mason will again be taking the wind tunnel into a school in June/July).
7 EVENTS & ACTIVITIES PROGRAMME - 2013 / 2014

7.1 Surface Treatments

Date: Monday 14\textsuperscript{th} May or 21\textsuperscript{st} May
Venue: Bolton University
Time: 18:00 for 18:30
Title: Surface Treatments
Organiser: Martin Hyman

Martin Hyman reported that he had been in touch with Simeon Collins at Tecvac/Wallwork on this and that the company is no longer able to present a lecture this year and cannot commit longer term either. It was decided that we could only therefore pencil in an event for around April next year.

Rebecca Donald-Lopez reported that she had made enquires through Tim Ward at Bolton University regarding the availability of a venue for this event and they had lecture rooms available for all Wednesday’s in May & June.

7.2 Composites Lecture 2: Manufacturing

Date: TBD November 14
Venue: TBD
Time: TBD
Title: Composite Manufacture
Organiser: Martin Hyman

Martin Hyman reported that he had sent Carl Wheeler, MD of Composite Structures UK, at Kaman (formally Brookhouse composites in Darwen) an email and is waiting to hear back. It was decided that the event should be in June or November, most likely November now.

8 EVENTS & ACTIVITIES PROGRAMME - 2014 / 2015

8.1 Composites Lecture 3: Sustainability

Date: TBD
Venue: TBD
Time: TBD
Speaker: TBD
Title: Composites Sustainability
Organiser: Clive Winby

There is no update available for this event.
Clive Winby volunteered to contact ELG Carbon Fibre Ltd to see if they would be able to provide a speaker.

**Action: Clive Winby to contact ELG Carbon Ltd**
8.2 **Repeat Microlight Factory Visit**
Martin Hyman took an action to ring P&M aviation (micro light company) in early August and request a repeat visit. The preferred dates for the repeat visit are 15 & 29 September 2014.

**Action: Martin Hyman**

8.3 **Fire Training Centre**
Martin Baxter reported that he has obtained contact details for the Fire Training Centre in Chorley and will report back when he has had a reply.

**Action: Martin Baxter**

Martin Hyman reported that he would send back up contact details for Manchester and Bury.

**Action: Martin Hyman**

8.4 **Air Accident Investigation - Joint with RAeS Preston Branch**

- **Date:** Before summer 2015
- **Venue:** Canberra Club Samlesbury
- **Time:** TBD
- **Speaker:** TBD
- **Title:** Air Accident Investigation
- **Organiser:** Graham Roe Joint with RAeS Preston Branch

Rebecca reported that Graham Roe has supplied contact details for the Chief Inspector of AAIB (Air Accident Investigation Board) in Farnborough. Rebecca took an action to draft a letter to send to Keith Conradi Chief Inspector of the AAIB in Farnborough.

**Action: Rebecca Donald-Lopez**

8.5 **Repeat Aircraft & Airport Security Event**
Rebecca reported that there is no update for this event as she had not yet obtained the Speaker contact details from Clive Winby.

**Action: Rebecca Donald-Lopez**

9 **ANY OTHER BUSINESS**

9.1 **Railway Division Event Idea**
Martin Baxter informed the committee of an event idea that might be of interest to Lancashire Area committee or the railway division. The railway between Manchester and Chorley is currently being electrified.

9.2 **Potential new Committee member**
Ivan Dean informed the committee about a possible new committee member. Sergio Sanchez is interested in joining an IMechE committee, possibly either our committee or ASTAC.
Rebecca took an action to include him on the minutes and invite him to our next meeting.

**Action: Rebecca Donald-Lopez**
10 DATE OF NEXT MEETING

Next meeting: **Monday 30th June 2014** – at David Lloyd Club, Whittle le Woods, **Chorley** at **18:00 for 18:30**.

11 PROPOSED IMECHE ANW COMMITTEE MEETINGS 2014

- Monday 30 June 2014
- Monday 8 September 2014
- Monday 20 October 2014
- Monday 8 December 2014

Minutes taken by:
Rebecca Donald-Lopez
Hon Treasurer IMechE Aerospace North West
19th May 2014
Appendix 1

**IMechE ANW 2013/2014 Programme**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>VENUE</th>
<th>TITLE</th>
<th>LECTURER</th>
<th>ORGANISER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday 4th September</td>
<td>18:00</td>
<td>Aircelle</td>
<td>Composites Event 1: Carbon Composites Design &amp; Aircelle Visit</td>
<td>Ivan Dean</td>
<td>Ivan Dean &amp; Paul Gardner</td>
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<tr>
<td>2013</td>
<td></td>
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<tr>
<td>Thursday 17th October</td>
<td>13:30</td>
<td>Dunkenhallgh Hotel, Blackburn</td>
<td>Annual Northern Aerospace Forum 2013</td>
<td>Various</td>
<td>ANAF Committee &amp; Ivan Dean</td>
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<tr>
<td>2013</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monday 20th January</td>
<td>19:30</td>
<td>Ringway Spectator building,</td>
<td>Harrier’s Secret of Success</td>
<td>Dr Thurai Rahulan Salford</td>
<td>Joint with RAeS Manchester</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td>Visitor Park, Man A/port</td>
<td></td>
<td>University</td>
<td>Branch</td>
</tr>
<tr>
<td>Monday 25th February</td>
<td>18:00</td>
<td>P&amp;M Aviation Rochdale</td>
<td>Micro light factory tour</td>
<td>Roger Patrick</td>
<td>Martin Hyman</td>
</tr>
<tr>
<td>2014</td>
<td></td>
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<tr>
<td>Wednesday 12th March</td>
<td>19:30</td>
<td>Canberra Club Samlesbury</td>
<td>Typhoon Early Development Flying (1st Flight 20th Anniversary)</td>
<td>John Turner (ex-Director Flight</td>
<td>Joint with RAeS Preston</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td></td>
<td>Sir Freddy Page Lecture NOTE: this will be a ticketed event (£5),</td>
<td>Ops, Warton)</td>
<td>Branch</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>including a buffet</td>
<td>John Turner Aviation Consultancy</td>
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<tr>
<td>Tuesday 18th March</td>
<td>16:00</td>
<td>Manchester Metropolitan</td>
<td>Current NDT Techniques with Demonstrations</td>
<td>Argyll Ruane</td>
<td>Joint with IMechE GMA</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td>University Room T0.03 M1 5GD</td>
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</tr>
</tbody>
</table>
### Appendix 2

**IMechE ANW 2014/2015 Programme**

<table>
<thead>
<tr>
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<th>TITLE</th>
<th>LECTURER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TBD September 2014</td>
<td>18:00</td>
<td>P&amp;M Aviation Rochdale</td>
<td>Micro light factory tour Repeat event</td>
<td>Roger Patrick</td>
<td>TBD assisted by Martin Hyman</td>
</tr>
<tr>
<td>Wednesday 8th October</td>
<td>19:30</td>
<td>Canberra Club Samlesbury</td>
<td>Additive Layer Manufacturing</td>
<td>Mike Murray Head of Airframe Integration, Air Platform, MAI, BAE Systems</td>
<td>Joint with RAeS Preston Branch</td>
</tr>
<tr>
<td>TBD Nov 2014</td>
<td>TBD</td>
<td>Kaman, Darwen</td>
<td>Composites Event 2: Carbon Composites Manufacture</td>
<td>Visit to Kaman</td>
<td>Martin Hyman</td>
</tr>
<tr>
<td>TBD Before summer 2015</td>
<td>19:30</td>
<td>Canberra Club Samlesbury</td>
<td>Air Accident Investigation</td>
<td>TBD</td>
<td>G Roe Joint with RAeS Preston Branch</td>
</tr>
<tr>
<td>TBD 2015</td>
<td>TBD</td>
<td>TBD</td>
<td>Composites Event 3: Carbon Composites Sustainability</td>
<td>Possible contact: Steve Line - Managing Director, ELG Carbon Fibre Ltd Tel 01902 406010 e-mail <a href="mailto:steve.line@elgcf.com">steve.line@elgcf.com</a></td>
<td>Clive Winby to contact speaker</td>
</tr>
</tbody>
</table>
### Appendix 3

**For Information: RAeS Preston & Manchester Branch Event**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>VENUE</th>
<th>TITLE</th>
<th>LECTURER</th>
<th>ORGANISER</th>
</tr>
</thead>
<tbody>
<tr>
<td>4th December 2013</td>
<td>19:00</td>
<td>Newton Building Salford Uni</td>
<td>Trent 1000</td>
<td>Gareth Jones Rolls-Royce</td>
<td>RAeS Manchester Branch</td>
</tr>
<tr>
<td>Wednesday 8th January</td>
<td>19:30</td>
<td>Conference centre, BAE Systems, Warton</td>
<td>Warton in Space</td>
<td>Eric Webb and Gerald Wilson BAE Systems retired</td>
<td>RAeS Preston Branch</td>
</tr>
<tr>
<td>Monday 20th January</td>
<td>19:30</td>
<td>Ringway Spectator building, Visitor Park. Man A/port</td>
<td>Harrier’s Secret of Success</td>
<td>Dr Thurai Rahulan Salford University</td>
<td>Joint with RAeS Manchester Branch</td>
</tr>
<tr>
<td>Wednesday 12th February 2014</td>
<td>19:30</td>
<td>Conference centre, BAE Systems, Warton</td>
<td>Wind Power &amp; AGM</td>
<td>Edward Green Head of Service Sales EMEA North</td>
<td>RAeS Preston Branch</td>
</tr>
<tr>
<td>Wednesday 19th February 2014</td>
<td>19:00</td>
<td>Newton Building Salford Uni</td>
<td>Superfighters at Warton</td>
<td>Tony Wilson BAE Systems</td>
<td>RAeS Manchester Branch</td>
</tr>
<tr>
<td>Wednesday 12th March 2014</td>
<td>19:30</td>
<td>Canberra Club Samlesbury</td>
<td>Typhoon Early Development Flying (1st Flight 20th Anniversary) Sir Freddy Page Lecture NOTE: this will be a ticketed event (£5), including a buffet</td>
<td>John Turner (ex-Director Flight Ops, Warton) John Turner Aviation Consultancy</td>
<td>Joint with RAeS Preston Branch</td>
</tr>
<tr>
<td>Wednesday 11th June 2014</td>
<td>19:30</td>
<td>Conference centre, BAE Systems, Warton</td>
<td>1st Flight Anniversaries Film Night</td>
<td>NA</td>
<td>RAeS Preston Branch</td>
</tr>
<tr>
<td>DATE</td>
<td>TIME</td>
<td>VENUE</td>
<td>TITLE</td>
<td>LECTURER</td>
<td>ORGANISER</td>
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</tr>
<tr>
<td>Wednesday 17th September 2014</td>
<td>19:30</td>
<td>Conference Centre, BAE Systems, Warton</td>
<td>Hawker-Siddeley P1154</td>
<td>Michael Price Lecturer, Centre for Defence Acquisition, Defence Academy for the UK, Shrivenham</td>
<td>RAeS Preston Branch</td>
</tr>
<tr>
<td>Wednesday 8th October 2014</td>
<td>19:30</td>
<td>Canberra Club Samlesbury</td>
<td>Additive Layer Manufacturing</td>
<td>Mike Murray Head of Airframe Integration, Air Platform, MAI, BAE Systems</td>
<td>Joint with RAeS Preston Branch</td>
</tr>
<tr>
<td>Wednesday 12th November 2014</td>
<td>19:30</td>
<td>Conference Centre, BAE Systems, Warton</td>
<td>Reaper Operations</td>
<td>Wing Commander Andrew Jeffery UTAS</td>
<td>RAeS Preston Branch</td>
</tr>
<tr>
<td>Wednesday 10th December 2014</td>
<td>19:30</td>
<td>Conference Centre, BAE Systems, Warton</td>
<td>A10 Flying</td>
<td>Nat Makepeace</td>
<td>RAeS Preston Branch</td>
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Appendix 4

ANW Finances

Update to follow.....