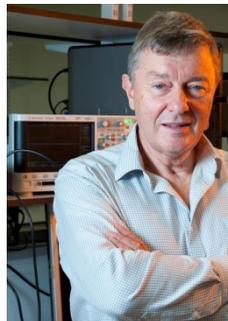


1 March 2017

## AGM Speaker Confirmed

**AGM** The Annual General Meeting of the UK Chapter will be held in the Royal Air Force Club, London, on Thursday 16 March 2017. All members are encouraged to attend this excellent opportunity to meet the Board, to hear a report on the Chapter's activities and its financial health and to help shape its future. The AGM will start at 18:30 and will be followed by a presentation then a hot and cold finger buffet. Phil Davies is running the evening. If you want to attend this free event please complete the proforma below and return it, or email him the information, as soon as possible so we can order the right amount of food and inform the Club of attendees' names for security purposes. More information and the proforma are available at the end of this newsletter.

**AGM – Speaker** Some of you may have heard **Professor David Stupples** speak at AOC EW Rotterdam last year, or indeed in Singapore last month. If so, you will know that he is an outstanding speaker with unbeatable credentials and a huge amount of cutting-edge knowledge. The Board is delighted to announce that Professor Stupples will be presenting on **“EW in the Urban Environment”** after the AGM, and moreover that he has volunteered to join the UK Chapter BOD, filling the vacant Academic Director post.



**Professor David Stupples**

**Professor of Electronic and Radio Systems, Director EW Research, City University, London, UK**

David Stupples is Professor of Electronic and Radio Systems at City, University of London and Director of Electronic Warfare Systems Research focused on ISR. He is a scientific advisor to the UK Intelligence Services on both Electronic Intelligence (ELINT) and Cyber Intelligence. He is also a member of the Defence Scientific Advisory Council (DSAC) and has scientific and engineering connections with a number of companies specialising in Radar applications and EW. He began his career in the Royal Air Force concentrating on EW and Surveillance Radar. He moved to R&D at the Royal Radar Establishment (later RSRE) Malvern, then to Hughes Aircraft Corporation in California, and then on to NATO research. He specialises in Surveillance Radar, ELINT and COMINT on both airborne and satellite platforms, and is now focused on Cyber Electromagnetic Activities (CEMA), and Information Warfare; combining cyber warfare, EW and psychological operations. In addition to his active electronic intelligence (ELINT) research Professor Stupples is part of an international group investigating how electronic attack might be employed to neutralize drone control systems from a ground-based jamming device or from a sentry drone.

**Reminder - IET presentation** Chapter member Gordon Slater sent the following email: *“The IET Lancashire & Cumbria Network are having a talk on 7<sup>th</sup> March which will be of interest to some members of the AOC UK Chapter. The aircraft-sized EW Test Facility at Warton will be described, which is one of the few such chambers in the world. It incorporates an advanced RF threat simulator and ECM response measurement and analysis capability. Would you please include an invitation to this free talk in the next AOC UK Newsletter and enclose the attached flyer which has full details of the event and how to register. Gordon, consider it done. Flyer attached.*

**Email addresses** The email addresses of the following members appear to have changed as we are getting non-delivery messages. If you have a current working email address for any of them please let Membership Director Ian Fish know by emailing him at [piscene1@gmail.com](mailto:piscene1@gmail.com):

- |                  |               |                  |               |               |
|------------------|---------------|------------------|---------------|---------------|
| • Mike Booth     | Ken Clarke    | Peter Forrest    | Terry Hall    |               |
| • Roger Marriott | Dave Marriott | Richard Thurston | Peter Stocken | John Stratton |

**New Articles** Jacey Wise MBE has provided an updated article "Radar News" – many thanks John for your prodigious and prestigious contributions. Don't be shy – please feel free to contribute an article to the UK Chapter. As a reminder these articles are only available as attachments to UK Chapter Newsletters – they are not posted on our website. Any views contained in them are the author's alone.

**Smallwood EW Trophy – Request** The BOD has been contacted by a former RAF man's family to try to find a photograph of the Smallwood EW Trophy but have drawn a blank so far. The man recently suffered from a stroke. If anyone has a photograph, or information about Smallwood winners in 1980's (specifically about an off- SLATE test equipment) then please send it to Ian Fish as soon as possible.

**Finally** That's all folks. I've listed a few dates below, where you might consider joining us and the wider AOC community in 2017. Remember, the UK Chapter is all about you, so please stay engaged and let the Board know what you want. Feedback is always welcome; otherwise we operate in a vacuum. We need more diverse and young members to become actively involved in what the Chapter does – any ideas are most welcome.



John Clifford OBE  
UK Chapter President

### **SOME DATES FOR YOUR 2017 DIARY**

**UK Chapter AGM** 18:30 Thursday 16 Mar 2017, RAF Club, London

**AOC EW Europe 2017** 6-8 June 2017, Olympia Conference Centre, London. [www.eweuropa.com](http://www.eweuropa.com)

**UK Chapter History Evening 2017** TBD RAF Club, London

**Visit to 30 Cdo Y Sqn Stonehouse Barracks** Plymouth Date TBD 2017

**Visit to 11 EOD Regiment**, RAF Northolt, Date TBD 2017

**Check out our website at [www.ukaoc.org](http://www.ukaoc.org)**

You can also check out **career opportunities** there too, by clicking on the

Home Page "**EW Job Vacancies**" button.



**UK CHAPTER**

# **ANNUAL GENERAL MEETING 2017**

**Royal Air Force Club, 128 Piccadilly, London W1J 7PY**

**Thursday 16 March 2017**

The Annual General Meeting of the AOC UK Chapter will be held in the Royal Air Force Club, 128 Piccadilly (Hyde Park end) on **Thursday 16 March 2017**. All AOC members are encouraged to take this opportunity to meet the UK Chapter Board, to hear a report on the Chapter's activities and its financial health and to help shape its future. Guests with a view to becoming AOC members will be most welcome but will have no voting rights at the AGM.

The programme for the AGM, to be held in the Millennium Suite, is:

- 1800: Pre-AGM drinks.**
- 1830: AOC AGM and guest speaker TBC.**
- 1945: Finger Buffet.**

Members wishing to attend should complete the proforma below and send it by e-mail to Phil Davies as soon as possible. There is **no charge** to attend the AGM and the application is for administrative and RAF Club security purposes only.

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To: Phil Davies  
E-mail: [PhilDavie@aol.com](mailto:PhilDavie@aol.com) (note, no "S" after PhilDavie!)

I wish to attend the AOC AGM on **Thursday 16 March 2017**.

Name: \_\_\_\_\_ AOC Membership No: \_\_\_\_\_  
Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_



## Aircraft-Sized Anechoic Chambers for Electromagnetic Testing

### Date and time

Tuesday 7<sup>th</sup> March 2017 at 18.00 for 18.30

Contact [gslater@theiet.org](mailto:gslater@theiet.org)  
for more information

Aircraft-sized RF anechoic chambers are used for electromagnetic testing of air and ground platforms, including Electronic Warfare (EW) and Radar aspects. The talk by Dr Mike Pywell and Mitch Midgley-Davies describes the capabilities, benefits and limitations of this testing, including reference to the EW Test Facility at BAE SYSTEMS Warton.

Please register for your free place at <http://www.theiet.org/events/local/245132.cfm>

### VENUE

Lecture Theatre 2, Foster Building, UCLan Campus, Preston PR1 2HE

Foster Building is FB in the Blue Zone on the UCLan Preston City Campus Map at

[http://www.uclan.ac.uk/visit/assets/preston\\_city\\_campus\\_map.pdf](http://www.uclan.ac.uk/visit/assets/preston_city_campus_map.pdf)

### About this event

The use of aircraft-sized RF anechoic chambers for electromagnetic (EM) testing of air and ground platforms is described, including Electronic Warfare (EW) and Radar aspects. There are few such chambers in the world and only 2 in the UK, one of which is at the BAE Systems Warton site where the speakers are based. Initially developed to reduce risks with flight testing of EW systems, their utility has expanded to most areas of electromagnetic testing. The talk will describe the capabilities, benefits and limitations of anechoic chamber testing, based on the speakers extensive experience of EM testing at BAE Systems Warton.

Dr Mike Pywell is an internationally recognised technologist in aircraft Survivability and Electronic Warfare, and is an acknowledged specialist on RF threat simulators. Mr Mitch Midgley-Davies is the Technical Lead for Sensors, Future Capability (Radar/EW), Typhoon Avionics and a specialist on ECM response measurement and analysis test equipment.

### Programme

18.00 Registration and refreshments

18.30-19.30 Presentation

19.30-20.00 Audience Questions

### Continuing Professional Development



This event can contribute towards your Continuing Professional Development (CPD) as part of the IET's CPD monitoring scheme.

### Cost

Free event