



27 July 2019

DSEI 2019 Volunteers – ASC Award - AOC STEM Support

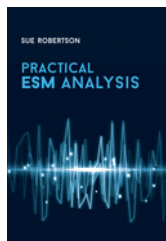
UK Chapter Aerosystems Course (ASC) Award the new ASC, based at Boscombe Down, contacted the BOD early in July and requested that the UK Chapter consider re-instating the ASC award, which was presented annually for many years at RAFC Cranwell. The BOD held a quick online BOD meeting and I informed the staff that the BOD agreed to present the award annually. The first of the new ASC awards was presented by Professor David Stupples to FLTLT James Rae RAAF at a ceremony on 25 July. His project "A Critical Evaluation of the Military Application of Quantum Radar and Sensing" was an exemplary study of future sensing systems and combined technical insight with lessons for future system employment. A photograph will follow in the next Newsletter.

AOC 56th Annual Symposium – STEM - Sponsors Needed The AOC, the UK Chapter and many of you, I know, recognize the importance of educating students in Science, Technology, Engineering, and Mathematics (STEM) using an interdisciplinary and applied approach. Once again this year, the AOC will host a STEM programme in conjunction with the 56th Annual AOC International Symposium and Convention. Professor David Stupples supported the 2018 event by speaking to the students in the STEM Hall. The STEM events over recent years have been hugely successful with 1000 youngsters attending the one last November in DC. However, they are very expensive to run. The AOC is seeking financial support to sponsor them. Besides getting your own name or your Company's name in lights and on display at the 56th, sponsorship truly helps students get into STEM and perhaps encourages them to enter the related fields. UK Chapter members are most welcome to make any individual contribution and it will be recognised and help the cause and the Chapter. Contact details for individuals and companies are on page 4.

DSEI 2019 DSEI 2019 is scheduled for 10-13 September at EXCEL in London Dockland. **The Chapter have once again been offered a stand in the prestigious Joint Arena and are seeking volunteers to run the stand, brief about the AOC, EW and EM operations – and critically to recruit new members.** UK Chapter volunteers will receive complimentary registration to DSEI and support with travel and refreshments. After the success of the inaugural 2017 Seminar, we have been invited to run another one; this time on **Thursday 12 September** 2019, 15:30 – 17:00, in the Joint Theatre. More details will follow but the title is *Hybrid Warfare, Cyber Electromagnetic Activities and Electronic Warfare – where we are and where we need to go*. Confirmed speakers include Major General Borys Kremenetskyi, Defence and Air Attaché, Embassy of Ukraine to the UK, Ukraine; Professor David Stupples, Professor of Electronic and Radio Systems, Director EW Research, City, University of London, AOC At-Large Director, UK; Colonel Alan Blackwell (British Army Retd), Director, ABAL Insight Ltd, UK and Commander von Spreckelsen, Chief Policy Section NATO Joint EW Core Staff, Germany – Navy. Chapter member Air Marshal Philip Sturley will once again chair the seminar. (All subject to change for operational reasons.) Email jonclif@aol.com to volunteer, please.

Potential Visit to French Chapter The French AOC chapter has offered to host a visit from UK chapter members at a joint meeting to be held at the Ecole Militaire in Paris. Although a date for the meeting has not been set, if you are interested in this visit, please let Chapter visits director Sue Robertson know by email (sue@gpl.co.uk). The chapter will apply to AOC HQ for some funds to subsidise travel costs.

New Book Dr Sue Robertson, UK Chapter director and AOC International Region 1 Director has written a new book titled “*Practical ESM Analysis*”. As some of you may know, Sue is a prominent global expert in the field.



The book is around 400 pages long and will clearly be a definitive guide for many years to come and of great value. It was released on May 1st and is currently available at an excellent discount release price.

More information: <https://uk.artechhouse.com/Practical-ESM-Analysis-P1984.aspx> (The link works and is safe - John Clifford)

Conference on Security & Intelligence – 27 November 2019 The Science Museum will be opening a new exhibition ‘Top Secret: from Ciphers to Cybersecurity’ from 10 July 2019 to 23 February 2020; the exhibition is curated by Dr Elizabeth Bruton, Curator of Technology and Engineering at the Science Museum and a Defence Electronics History Society (DEHS) Committee Member. The exhibition marks the 100th anniversary of the formation of GCHQ, starting with the Government Code & Cypher School in 1919. Find more at: <https://www.gchq.gov.uk/news/major-new-exhibition-reveals-gchq-secrets-for-the-first-time> or <https://www.sciencemuseum.org.uk/about-us/press-office/science-museum-explores-100-years-codebreaking-major-new-exhibition> (the links works and are safe – JC). To coincide with this exhibition, DEHS is organising a conference with the title ‘Security & Intelligence’ on 27 November 2019, which will include a guided tour through the exhibition by Dr Bruton. The Science Museum has kindly allowed the DEHS to hold the conference in the Dana Centre, located in Queens Gate and very close to the museum. The cost will be £25 including refreshments. AOC members who are interested in attending should contact Keith Thrower, DEHS President, at kthrower@waitrose.com, as soon as possible. Numbers are limited to 80 attendees.

AOC EW Europe: 2013 - 2019 Clarion Events began supporting the AOC with an event in Cologne in 2013. My company provided consultancy to the AOC in the role of Director Global Conferences. Each successive European event saw a steady growth in attendees, visitors, exhibitors, content and AOC profits. The final report was sent earlier in July to AOC HQ and the International Advisory Committee, chaired by Dr Sue Robertson. Clarion will continue to provide event support to the AOC but I no longer provide consultancy to the AOC (writes John Clifford). If you would like to contact someone on the UK BOD regarding EW Europe (or EW Asia / Singapore, for that matter) Dr Sue Robertson, International Region 1 AOC Director, is your best bet for now.

Finally That’s all folks. I’ve listed a few dates below, when you might consider joining us and the wider AOC community in 2019. Please send ideas about recognising suitable individuals or organisations for AOC and/or UK Chapter awards. We are particularly keen to encourage apprentices in industry, academics and serving personnel learning new EW-related skills.

A handwritten signature in black ink, appearing to read 'John Clifford'.

John Clifford OBE
UK Chapter President

SOME DATES FOR YOUR 2019 DIARY

DSEI EXCEL London 10-13 September 2019

DSEI UK Chapter EW/CEMA Seminar Joint Zone Theatre 15:30 – 17:00 Thursday 12 Sept 2019

Visit to 30 Cdo Y Sqn Stonehouse Barracks Plymouth Date TBD 2019

DEHS Conference on Security & Intelligence London – 27 November 2019

UK Chapter Christmas Awards Dinner RAF Club London - 13 Dec 2019

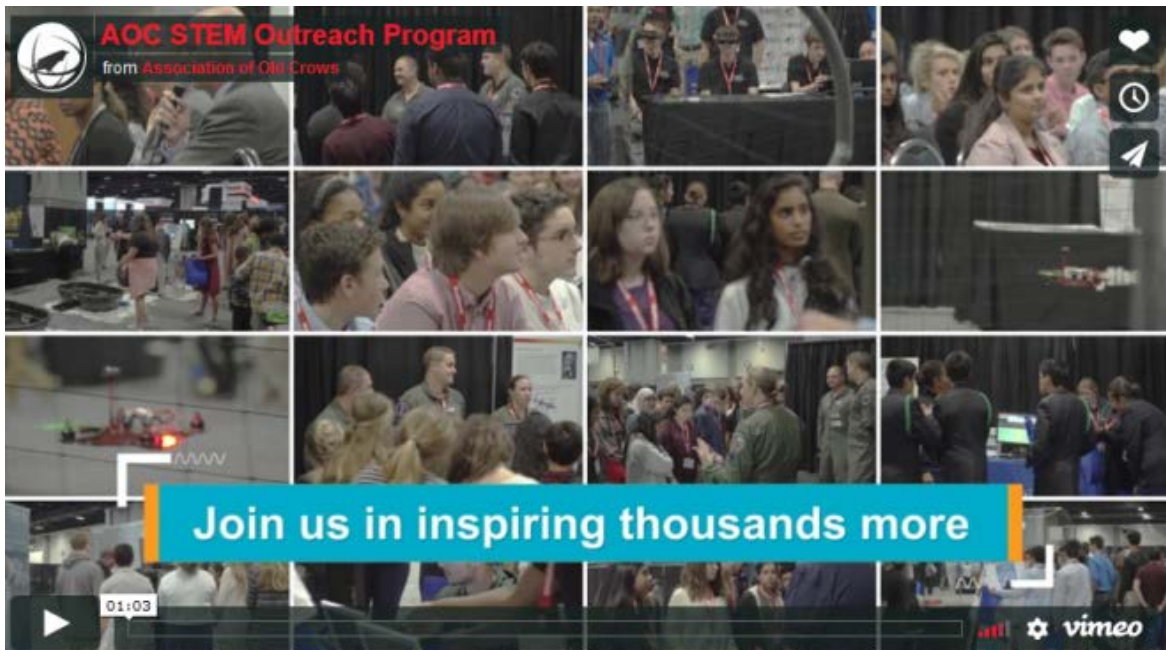
Check out our website at www.ukaoc.org

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

Home Page “EW Job Vacancies” button

Thales has become the latest Company to advertise on the UK Chapter website – they are looking for an ECM Design Authority / Technical Expert – for more information check out the website at www.ukaoc.org.

Cyber and Information Systems at [dstl] are now participating in advertising on the UK Chapter website with an excellent site with great graphics, lots of thought-provoking material and there’s even a CIS challenge. Check out the link to dstl on the UK Chapter Homepage.



AOC 56th Annual Symposium – STEM - Sponsors Needed The AOC recognizes the importance of educating students in Science, Technology, Engineering, and Mathematics (STEM) using an interdisciplinary and applied approach. The AOC will host a STEM Program in conjunction with the 56th Annual AOC International Symposium and Convention. This program will focus on students interested in potential STEM careers and will feature engaging and informative presentations by an exclusive group of professionals who aim to empower and inspire students about careers in science, technology, engineering and mathematics. Students will learn about the basic concepts Radio Frequency (RF) Spectrum (e.g. waveforms, amplitude, frequency, transmitters, receivers, antennas and more), the physics of radio and RADAR transmissions, and the concepts behind Cyber vulnerabilities and Cyber security through a series of interactive booths featuring technologies, equipment and platforms utilized today and planned for the future. Plans for our STEM program include hands-on interactive robot and unmanned air vehicle displays and aircraft simulators. The STEM display area will be located adjacent to the main exhibit hall. For more information, please contact [Blain Bekele \(blaine@crows.org\)](mailto:blaine@crows.org).

<https://www.crows.org/mpage/2019STEM>

<https://www.crows.org/page/STEMSponsorship>