



15 January 2020

UK Visits Opportunities and Courses

Visits We are looking for a couple of UK visits in 2020. If anyone has any ideas for interesting places to visit, or offers to host a visit, please let me and Dr Sue Robertson know (sue@gpl.co.uk).

PhD Project As a spin-off from the UK Chapter EMSIG membership, I received this interesting proposal: *I'd like to draw your attention to the following two radar PhD projects which are available in the Millimetre Wave Group in the School of Physics & Astronomy at the University of St Andrews. I would be very grateful if you could circulate these to any relevant students or colleagues, please. For more information please contact me on dar@st-and.ac.uk*

Sub-THz Radar sensing of the Environment for future Autonomous Marine platforms (STREAM)
<https://www.findaphd.com/phds/project/sub-thz-radar-sensing-of-the-environment-for-future-autonomous-marine-platforms-stream/?p117762>

This PhD will complement the 3.5 year STREAM project, a £1.5M EPSRC funded collaboration between the University of St Andrews and the University of Birmingham. STREAM aims to develop advanced sub-THz radar systems that will enable true autonomy for marine systems, by providing situational awareness in a dynamic sea environment and obscuring conditions.

Millimetre wave radar signatures of drones

<https://www.findaphd.com/phds/project/millimetre-wave-radar-signatures-of-drones/?p117763>

This PhD project aims to deepen the understanding of the millimetre wave radar signatures of drones and develop techniques which could be applied in a drone detection system.

You can find information on how to apply for a PhD in the School of Physics & Astronomy here https://www.st-andrews.ac.uk/physics/prosp_pg/phd/apply_here.php

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Artech House Review Offer Two new Artech House EW-related publications have been announced. The first is “Photonic Applications for Radio Systems and Networks” by Fabio Cavaliere and Antonio D’Errico and the second “The VNA Applications Handbook”, by Gregory Bonaguide and Neil Jarvis. Information about these 2 books is contained in 2 attachments to the email covering this newsletter. The Artech House website is at <https://uk.artechhouse.com> If you would like to review either book (or a PDF of the book) please let me know and contact Diana Cristea (dcristea@artechhouse.co.uk) who will arrange for a copy to be sent on a first come basis. The opportunity depends on a review (300-500 words) being posted on the Artech House website (a link will be provided) in 6-8 weeks. I would also like a copy for a future Chapter newsletter. There are lots more interesting publications from the company that I will cover in the next newsletter.

Demystifying EMC 2020 Rhode & Schwarz are running their 6th **Demystifying EMC** event which will take place on Monday 10 February 2020 at the Silverstone Wing, in Northamptonshire. Demystifying EMC is established as one of the primary training events

delivering high quality, free of charge training to the industry. As with previous years, there will be different tracks and sessions you can choose to follow, and time in the day to network with peers, speak with industry experts and see demos. If you have an EMC challenge, want to brush up on your knowledge or are venturing into the topic for the first time, this event will cater for you. Search for “Demystifying EMC 2020” for a lot more information including how to sign up.

Viking Roost 30th Anniversary As mentioned last month, the Swedish AOC Chapter, aka the Viking Roost, invited the UK and Norwegian Chapters to join them for their 30th Anniversary on Tuesday 3 December in Stockholm. I attended and presented a UK Chapter plaque suitably inscribed and a certificate congratulating them on their anniversary. The Major General who is their Air Force Chief welcomed me and invited me to join him at the Dinner. We discussed lots of issues including STEM and maintaining EW impetus. Here are a couple of photographs from the celebration:



Finally, that’s all folks. I’ve listed a few dates below, when you might consider joining us and the wider AOC community in 2020. Please send ideas about recognising suitable individuals or organisations for AOC and/or UK Chapter awards. The deadline for submissions to the AOC HQ staff is 15 March 2020, so please act now. We are particularly keen to encourage apprentices in industry, academics and serving personnel learning new EW/EME-related skills to join the AOC; specifically the UK Chapter. Please remember that feedback is always welcome.

John Clifford OBE
UK Chapter President

SOME DATES FOR YOUR 2020 DIARY

AGM 17 March 2020, RAF Club

AOC EW Europe – Liverpool 16-18 June 2020

57th AOC Annual International Symposium 8-10 December in DC

Visit to 30 Cdo Y Sqn Stonehouse Barracks Plymouth Date TBD 2020

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

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 Cyber & Information Systems challenge. Check out the link to dstl on the UK Chapter Homepage.