

## The UK Acoustics Network Newsletter May 2019

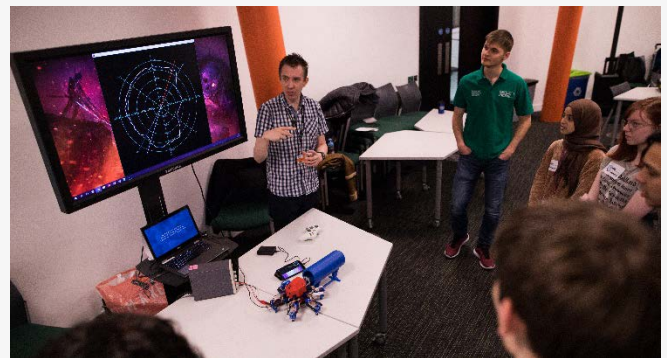
Dear Members

This Network is still growing and now it has over 600 members (631 as of today). Since April the Network ran or supported 5 important events: (i) Non-Destructive Evaluation (NDE) Data Science for Industry (22 of May); (ii) IoA Acoustics 2019 Conference (13/14 May); (iii) UK Acoustics Network PhD Exchange Day (10 May); (iv) Sensor Signal Processing for Defence (SSPD) conference (9 May); and (v) SIG Vibro-acoustics Workshop: New Methods for Predicting Noise and Vibration (1 May). The Value of Acoustics to the UK Economy report was launched at the IoA Acoustics 2019 conference on the 14<sup>th</sup> of May. The photo below shows Dr. John Lincoln, the author of the report, presenting at the conference in Milton Keynes.



The full report is available to download through [this link](#). [Here is the link](#) is to the relevant web page on the IoA website which contains a summary from this report and copy of the interview clip with Dr. Lincoln taken after his keynote presentation.

On the 1<sup>st</sup> of May the UKAN ran an Outreach for A-level Students event at the University of Sheffield. We were supported by Naomi Tansey, Tanisha Mascarenhas (Arup) and researchers from the University of Sheffield who showcased and talked to the students to increase their understanding of the possibilities available through pursuing a career in acoustics. Below is a photo from this event.



On the 22<sup>nd</sup> of May Dr. Artur Gower of the University of Sheffield took part in the Pint of Science Festival at Sheffield where he talked about acoustic sensing and importance of modelling in acoustics. His photo taken at the Festival is below. He is now also a [YouTube star](#).



---

The UKAN are planning a range of new events in the following the next month. These are: (i) [4th SIG Vibro-Acoustics Workshop on Noise and Vibration in Transportation and Transit Systems in Birmingham](#) (31 May); (ii) [Soundscape Workshop – Overcoming Traditional Acoustic Challenges to Urban Planning and Development in London](#) (25 June); (iii) [Ultrasonic and Acoustofluidics Forum in Bristol](#) (26 June). Please go to these links to register if you interested. Spaces can be limited.

If you are an early career researcher who is attending the International Congress on Acoustics (ICA) in Aachen, Germany (9-13 September) then you may also like to sign in for the Early Careers Workshop supported by ENRICH ([www.enrich-etn.eu](http://www.enrich-etn.eu)) and UKAN. For more information and to register your interest, please follow this link: <https://www.eventbrite.com/e/ica-early-career-opportunities-in-hearing-and-spoken-language-industry-tickets-61226923376>. This event is a free, but you need to register and pay to attend the ICA conference to take part. If you have any questions, please write to Amy Hall at [amy.jane.hall@idmt.fraunhofer.de](mailto:amy.jane.hall@idmt.fraunhofer.de).

We remind to our members that [UKAN travel Grants](#) are available to support their attendance at this and other UKAN events. We would like to ask you to get active on Twitter while attending these and other related events. Do not forget to insert some twitter # and our handle while tweeting on [@acoustics\\_ac\\_uk](#).

---

We remind to our members that last April Dr. Valerie Pinfield launched a new survey which will influence the future of acoustics in the UK through the collection of data on acoustics activities in the UK. Please complete this survey by going to <https://lboro.onlinesurveys.ac.uk/acoustics-network-survey>. This process will take no more that 10 mins of your time, but the data collected will send a strong message to the decision makers and stakeholders on the importance of providing resources for research and innovation in acoustics.

---



The next year 2020 is the International Year of Sound (IYS 2020, <https://sound2020.org/>). IYS 2020

is a pan opportunity for the UKAN to promote the importance of sound in all aspects of our life and that critical mass of acoustics related work which is going on in the UK. We encourage our members to consider outreach activities and to be innovative. A lasting legacy from the International Year of Sound in 2020 will be the development of education programmes that highlight the importance of sound and promote best practices in the utilisation of sound and preservation of hearing health. Telling the story of 'what acoustics has done for us' is an essential part of this process communicating increasingly diverse applications of acoustics. Please get in touch with us by emailing to [info@acoustics.ac.uk](mailto:info@acoustics.ac.uk) if you have: (i) any connections or colleagues specialising in outreach/public engagement; (ii) equipment that could become part of the demonstrator kit; (iii) ideas for new kit for UKAN to build, to extending the range of that kit, especially for a permanent exhibit in [Winchesters Science Parks' Hands on Exhibition Space or Innovation Studio](#); (iv) if you are aware of short films that exist already that showcase acoustics; or (v) if you simply wish to become involved and support outreach.

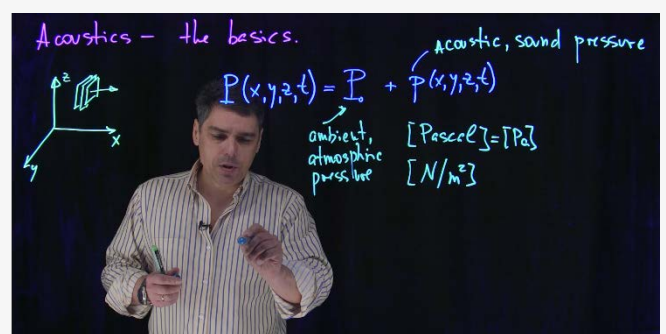
On the 7<sup>th</sup> of May Andrew Bullmore, Richard Craster and Kirill Horoshenkov visited the EPSRC and presented the mid-term review on the activities of the UKAN to Dr. Andrew Lawrence and his team in Engineering. One outcome of this visit was the invitation by the EPSRC to members of the UKAN to submit BIG IDEAS on acoustics. This an online submission which can be done [via this website](#). Big research ideas in acoustics that are cross cutting with other Research Councils are particularly welcome. The EPSRC also asked us to develop a

case in support of our application for a Network+ grant which can supersede the UKAN after the end of the current EPSRC funding in November 2021. We would like our members to come up with very strong messages why this Network has a value to the UK Plc and why it should be supported beyond 2021. We will include them in this case.

---

In April there was a lovely BBC programme, the World of Sounds by Matthew Herbert (<https://www.bbc.co.uk/programmes/m0003zbs>). Prof. Stephen Dance (co-leader of the Communication and Room Acoustics SIG) features in it. We recommend you listen to it.

Finally, the UKAN has set up a lightboard which is a resource to be used by its members to deliver video lectures on a range of topics related to acoustics. It is available at the University of Sheffield. Below is a photo of Kirill Horoshenkov presenting a lecture on basic acoustics. We are looking for volunteers who would like to make use of it.



Yours sincerely,

Kirill Horoshenkov and Richard Craster