

The UK Acoustics Network Newsletter September 2019

Dear Members

The Network membership has grown above 700 members (723 per 30/9/2019). Our membership is a nice balance between academia and industry. Clearly, being a UKAN member is attractive to anyone who cares about acoustics related research.

September events

September was very busy for UKAN. A main event of September 2019 was the International Congress on Acoustics in Aachen, Germany (ICA2019). It was a great opportunity for UKAN to team up with several of Europe's young and early career groups including UKAN's early careers group (SIG-ECG), the European Acoustics Association's Young Acousticians Network (EAA YAN), the German Acoustical Society's young members group (Junge DEGA), and the Belgian YAN (b-YAN) (see photo below of Mathieu Gaborit (LAUM/KTH) presenting at ICA). On the first day of the conference, there were introductory presentations from the various groups and the network for Young Researchers in Acoustic Metamaterials (YRAM), attended by nearly 100 people, followed by icebreaker games outside the congress centre. On the second day, approximately 250 people attended the UKAN/YAN social event, which was held at the heart of Aachen.



Finally, there was a joint UKAN/ENRICH European Training Network workshop on careers in industry and academia run by students in conjunction with the UKAN directors and Prof. Volker Hohmann. This was a highly popular ICA event and it was attended by over 70 ECRs (see photo below).



All of these events were made possible thanks to funds from the UK Acoustics Network and the European Acoustics Association. Given the success

of these events, future joint early career and young acousticians events are now planned.

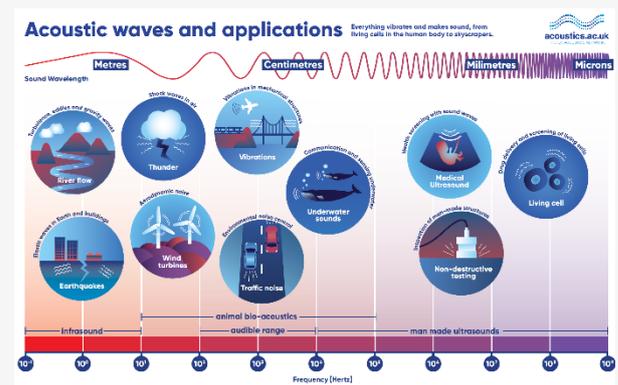
Upcoming events

The next two months are going to be a busy for UKAN. Perhaps the most important event is the UKAN 2nd Anniversary Workshop to be held on the 1st of November in Guild Hall, London. It is important we have a full house for this event because a key topic for discussion is the future of UKAN and its legacy. It is an opportunity for you to shape the future of UKAN. Presentations will be given by Prof. Phil Nelson, former Chair of the EPSRC, Dr. Andrew Lawrence, Head of Engineering at the EPSRC, and by his colleague, Zoe Brown, EPSRC Portfolio Manager. The agenda for this event and registration details are [here](#).

Four workshops are planned for October. These events are: (i) [Short Course on Aircraft Noise](#) (1-2 October); (ii) [Workshop on Mechanical and Acoustic Properties of Synactic Foams](#) (10-11 October); (iii) [Sound Sensing in Smart Cities](#) (16 October); and (iv) [International Workshop on Underwater Acoustics](#) (17-18 October).

Artur Gower and his team are also running a UKAN show at the [New Scientist Live festival](#) in the ExCeL Centre in London between 10 and 13th of October. There will be a range of demonstrations of acoustics phenomena aimed at school students and general public. If you are willing to attend the New Scientist Live festival and help to run demonstrations, do get in touch with Artur Gower

(a.l.gower@sheffield.ac.uk). Free tickets for this festival are available. The UKAN have also produced a banner about acoustic waves and applications (see below) which will be unveiled at this event.



UKAN encourages our members to attend these events and is happy to support their attendance at these vents financially.

Industry challenge pitches wanted for an Integrative Acoustics Think Tank

In our last newsletter we mentioned that the University of Exeter would like to run an Integrative Acoustics Think Tank in early spring 2020. We did not get any response. We would like to repeat this call to invite industry representatives who are interested in attending this event. This is a great opportunity for you and your business to address a complex R&D problem in acoustics, or to help explore the feasibility of an idea or new approach. We will work with you to define your problem, understand what expertise might be needed, and bring together groups of PhD students, postdocs and academics from UK universities who will jointly work on identifying pathways towards your desired

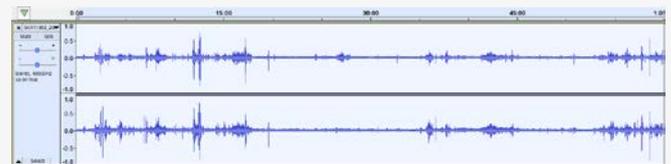
outcome. The event is part of the 2-year EPSRC research project, [Reimagining recruitment](#), funded by the Inclusion Matters Scheme and led by the University of Bath. They have invited the team at Exeter to draw on their long-standing experience with such [think tanks](#) and to expand the track record of successful HEI-industry engagement events that yield pathways towards tangible outputs. For example, this can be achieved through PhD projects, research grants, consultancy, and contract research. Alongside this pathway development the workshop aims to change the culture of recruitment by showing people that diverse teams produce better research. The EPSRC UK Acoustics Network will cover the travel, accommodation and workshop costs for Acoustics think tank participants. Please contact [Dr Anja Roeding](#) (Phone: 01392724132) at the University of Exeter to register your interest in pitching a challenge or if you have any questions.

Ingleborough Soundscape Outreach Project

During September, UKAN/Ingleborough Soundscape Outreach Project education and engagement activities have continued to grow, with a monthly programme of acoustic events being planned for 2020, by Baildon Town Council's, Brackenhall Countryside Centre, as part of the International Year of Sound. Support has also been given to the Yorkshire Dales National Park, Young Rangers Group, who conducted soundscape analyses and took objective acoustic measurements (LAeq), at

ten sample points across the 'boardwalk' area of Malham Tarn.

The screenshot below is of a recording taken in mid-September an hour before sunset, using an SM4 Bird Song Meter, that shows the mix of natural and manmade sounds typical of Colt Park Wood at this time of year. The small peak at approximately 1 minute is the bark of a roe deer and the very discrete lines throughout are breaking twigs, as animals move through the landscape, whereas the regular hoots of the tawny owls, have become lost in the visual presentation.



The following 2.5 minute audio clip incorporates seven short tracks taken from the six hours that the SM4 recorded dusk and dawn, including the opening of the WAV file shown above, which is a screenshot of an Audacity project. You can download and play this file from [here](#). If you would like to engage with our outreach activities, please get in touch with Rob r.j.pheasant@outlook.com.

Yours sincerely,

Kirill Horoshenkov and Richard Craster

Email: info@acoustics.ac.uk