

## The UK Acoustics Network Newsletter March 2019

Dear Members

This Network is still growing with 565 members as of today. The last month was busy with planning new events and completing the Value of Acoustics to the UK Economy report that is now available for viewing through [this link](#). We are grateful for the numerous contributions from members. Combined with the [Summary of Critical Challenges and Solutions in Acoustics document](#) produced at our UKAN January 2019 Event, this report presents strong reasons and arguments for continuous support of the acoustics industry and research in the UK. Research active UKAN members are welcome to refer to this report in their grant applications to support their statements for national importance of their acoustics related research. We are drawing up a list of stakeholders and interested parties. After the launch of the report at Acoustics 2019 we are mailing out glossy copies with a letter explaining why it is important and what they might want to do with it. We would also like your opinion on what stakeholders we should target with this report. Please let us have your comments by sending an email to [info@acoustics.ac.uk](mailto:info@acoustics.ac.uk).

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The Symposium on Acoustics of Nanoporous Materials at Salford (SAnPM) was a successful event. It was attended by 44 UKAN members and wider participants. An important outcome was an informal discussion on opportunities for collaboration beyond acoustics and future research directions. An electronic questionnaire sent to all the participants revealed that 92% of respondents suggested to run this event next year while 67% said they would be developing new collaborations and networking opportunities following this meeting. A review paper on the state of art in this area of research will be produced led by Dr. Rodolfo Venegas from the University of Salford. A copy of the full report on this event is [here](#).



GENNADY GOR (USA) PRESENTS KEYNOTE TALK AT SANPM AT SALFORD ON 19 FEB 2019

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The *2019 DRG Showcase* on the 6<sup>th</sup> of March 2019 at Sheffield was also a success. Over 100 people attended. The participants had the opportunity to visit the bespoke LVV facility at Sheffield ([www.lvv.ac.uk](http://www.lvv.ac.uk)). One important outcome from this event is closer collaboration between the UK Acoustics Network and Siemens. The UKAN and Siemens will shortly be announcing a joint networking event with the focus on acoustics.

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On the 8<sup>th</sup> of April the Biomedical Acoustics SIG are running their meeting at the Royal Academy of Engineering in London. Details of this meeting and agenda are [here](#).

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On the 17/ 18<sup>th</sup> of April, there will be the [6<sup>th</sup> International Conference on Bio-Acoustics](#) at Loughborough University which is co-sponsored by the IoA and UKAN.

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[UKAN travel Grants](#) are available to support the attendance at these events by members of the

UKAN. We would like to ask our members to get active on Twitter while attending these and other related events. You may also wish to comment on related scheduled events to draw attention to what is on the agendas to a wider audience. Do not forget to insert some twitter # and our handle while tweeting on [@acoustics\\_ac\\_uk](https://twitter.com/acoustics_ac_uk).

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The Get Up To Speed (GUTS) day at Magna Science Adventure Centre on 27<sup>th</sup> March are delighted to invite two of [AECOM's](#) STEM Ambassadors (Cameron Salisbury and Liam Bryan) to showcase STEM within acoustics, promoting potential career opportunities for students with an interest in Science, Technology, Engineering and Mathematics. They plan a highly interactive stand, partnering with the [Winchester Science Centre](#), to demonstrate the fundamentals of Sound and Vibration. AECOM offers comprehensive school workshops to students and teachers alike. They provide a dedicated acoustics STEM booklet and actively look to engage with local communities to highlight what is truly exciting about acoustics. AECOM and Winchester Science Centre will provide consultation for students and staff, career advice within engineering and expert insight into; Virtual

Reality within Acoustics, Health and Safety in Sound, Rijke tube, Resistance Rods, Air Zeoka, The Dragon Bowl AND...a Model Railway!

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We are still looking for demonstrators for our STEM Outreach session on 1st May at the University of Sheffield. If you have demonstrator skills or an interest in arousing curiosity in acoustics please volunteer - it will only take half a day of your time (10.00 a.m. - 12.00). Any UKAN members wishing to become involved in acoustics outreach while working alongside experienced acoustic demonstrators in the state of the art Diamond Building (a bit like being in the flight deck of the Star Ship Enterprise ) get in touch with us via email [info@acoustics.ac.uk](mailto:info@acoustics.ac.uk) before Friday, the 19<sup>th</sup> of April.

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Over the next two years, a team from the University of Leeds Wildland Research Institute (WRI) will be working in partnership with Dr Rob Pheasant (Noise and Soundscape SIG) and Natural England on a Citizen Science outreach project within the Ingelborough National Nature Reserve. More details are coming soon. The aim of this study is to establish the extent to which

soundscape richness can be incorporated into an overall measure of 'environmental richness' and 'tranquillity construct', using two contrasting re-wilding initiatives. Due to the strong public engagement and education aspect of this project, which will focus on ecological acoustics, UKAN is supporting the project launch event, scheduled to take place in Settle (North Yorkshire) on 10th April 2019. This half day session will provide an overview of the project and a series of presentations from experts, ranging from paleo-ecology of the Yorkshire Dales to the use of drones in re-wilding studies, and may be of particular interest to MSc and PhD students. It is also being used as a platform to recruit 'citizen scientists' to the project. These will mainly be none-specialist members of the public, working alongside key members of the academic team. A wider participation in this event is fundamental to its success. To register an interest in this event or project please email Dr Rob Pheasant at [r.j.pheasant@outlook.com](mailto:r.j.pheasant@outlook.com).

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Yours sincerely,

**Kirill Horoshenkov  
and Richard Craster**