

Aachen, Friday 13 September, Room K3 of Eurogress building, ICA 2019 Congress Aachen Sept 09 – 13, 2019, 23<sup>rd</sup> International Congress on Acoustics, integrating 4<sup>th</sup> EAA Euroregio 2019.

Time slot: 12:30-14:00

Technical Committee Meeting in Ultrasonics of the European Acoustics Association.

Attendance list

Nico F. Declercq (Chairman), Serge Dos Santos (via Whatsapp), Salvador Barrera-Gigueroa, Noam R. Shabtai.

Topics discussed:

The webpage of the TC must be updated asap and must be updated regularly with activities.

Brief report of ICU Bruges : around 400 attendees in Ultrasonics from all over the world. Largest representation were French researchers. ICU Silver Whistle Award : Marie Muller. ICU Golden Whistle awards to Arthur Every and to Larry Crum

Future Events : ICU 2021 will be in Beijing, China

In 2021 there will be an acoustics event in Metz, with integration of the Acousto-Optics School.

There appears to be a lack of standards for values on intensities for nonlinear acoustic applications. Numbers are being used, but nobody knows where they came from.

Airborne ultrasound for metrology. EMRP European Metrology research program and others. Project ears1 and ears2. To check effects of airborne ultrasound on human beings. Effect of such sound on hearing loss etc. Airborne ultrasound is a hot topic because we are all exposed to it and we do not understand what the effect is on humans. A weighting and other curves typically stop at 14kHz because above, the sensitivity depends on the person although most people still hear above that threshold, so it is important.

Suggestion for the future: sessions on safety related to high intensity airborne ultrasound (hearing damage, cavitation in the blood, ...).

Perhaps in the ICASP and IEEE-UFFC community there is also work going in this field with a focus on the signal processing.

There is an ENSAM lab LABTO in Lyon (Claude Inserrat, ....) in France working on cavitation and medical applications.

In the future: contact national societies, request topics and make agenda beforehand.

Forum Acusticum Lyon