

Newsletter's Summary

Agenda [page 2](#)



Get a reminder on upcoming events and deadlines.
Feel free to contribute if you become aware of any change!

Local News [page 5](#)



Read about the 50th Anniversary of the Spanish Acoustical Society.

Job announcements [page 6](#)



Find your dream job in this fresh list of opportunities!
If you wish to announce a position, please contact the YAN.

Publications [page 7](#)



This month discover a publication from Laboratory for Acoustics and Vibration (Arquilav) of the Technical Superior School of Architecture of the Technical University of Madrid (UPM), Madrid, Spain.

Board's Highlights



NEWS

The Spanish Acoustic Society celebrated its 50th Anniversary!
Congratulations!

Page 5



PUBLI

Read about a publication on methodology for the subjective evaluation of airborne sound insulation.

Page 7

Upcoming Events



November 2019

8th - 12th — Sound Driven Design course. Milan, Italy



19th - 21th — **Reproduced Sound 2019** – Creating Engagement in Sound. Bristol, England



25th - 27th — **AAC 2019** — Aachen Acoustics Colloquium. Aachen, Germany



27th - 29th — Seminar: Vehicle Acoustics - Noise, Vibration, Harshness. Aachen, Germany



December 2019

2nd - 6th — **MatFlow 2019** — Training school and research workshop on acoustics in lined ducts. Le Mans, France



Did we miss a date ?

Behind the YAN, there's humans you can help!

The agenda listing is all gathered by hand: if you think we missed something relevant, don't hesitate to tell us!

yan@euracoustics.org

Upcoming Deadlines



November 2019

9th — MatFlow 2019 — Training school and research workshop on acoustics in lined ducts. Le Mans, France. **Deadline for abstract submissions**



12th — ICVPB 2020 — International Conference on Voice Physiology and Biomechanics. Grenoble, France. **Deadline for abstract submissions**



15th — MatFlow 2019 — Training school and research workshop on acoustics in lined ducts. Le Mans, France. **Deadline for registration**



December 2019

1st — Forum Acusticum 2020 — Forum Acusticum 2020. Lyon, France. **Deadline for abstract submissions**



1st — ICSV 27 — International Congress on Sound and Vibration. Prague, Czech Republic. **Deadline for abstract submissions**



1st — BNAM 2020 — Baltic-Nordic Acoustics Meeting 2020. Oslo, Norway. **Deadline for abstract submissions**



8th — ISNVH 2020 — 11th International Styrian Noise, Vibration and Harshness Congress. Graz, Austria. **Deadline for manuscript**



15th — MEDYNA 2020 — 3rd Euro-Mediterranean Conference on Structural Dynamics and Vibroacoustics. Napoli, Italy. **Deadline for paper submission**



31st — ICSV 27 — International Congress on Sound and Vibration. Prague, Czech Republic. **Deadline for early bird registration**



Upcoming Deadlines



January 2020

- 15th — ICBEN 2020** — 13th ICBEN Congress on Noise as a Public Health Problem. Stockholm, Sweden. **Deadline for abstract submissions**
- 15th — ISMA 2020** — 29th International Conference on Noise and Vibration Engineering. Leuven, Belgium. **Deadline for abstract submissions**
- 15th — USD 2020** — International Conference on Uncertainty in Structural Dynamics. Leuven, Belgium. **Deadline for abstract submissions**
- 17th — Quiet Drones** — A Symposium on Noise from UAS and UAV. Paris, France. **Deadline for abstract submissions**
- 31st — ICUA 2020** — International Conference on Underwater Acoustics. Southampton, England. **Deadline for abstract submissions**
- 31st — ICSV 27** — International Congress on Sound and Vibration. Prague, Czech Republic. **Deadline for peer-reviewed paper submission**



Local News



Event for the 50th Anniversary of the Spanish Acoustical Society in Madrid, Spain

2019 marks the 50th Anniversary of the Spanish Society of Acoustics (SEA). For this reason, various events have been held throughout the year for its celebration. Among the most important events are those held during the Inter-noise congress, which took place in Madrid between 16 and 19 June, as well as the event celebrating the Anniversary and presenting the monograph "50 años (50 years)" which took place on October 18th.

In this last event, which took place at the Eduardo Torroja Institute of Construction Sciences (IETcc), belonging to the Consejo Superior de Investigaciones Científicas (CSIC), several generations of Spanish acousticians met in a highly retrospective event. To begin with, and after thanking the CSIC for hosting the event at its facilities, the president of the SEA, Mr. Antonio Pérez López, highlighted the close relationship between the Society and public research bodies, as well as private companies dedicated to Acoustics in Spain.

Then, the members of the Acoustics research group of the Eduardo Torroja Institute of Construction Sciences presented a summary of their activities in the field of acoustics and thanked the SEA for all the help and support over the years.

As the high point of the event, Mr. Antonio Calvo Manzano, secretary of the Society, proceeded to the presentation of the monograph "50 años", in which by means of



short texts and a multitude of photographs the foundational steps, difficulties and achievements of the Society throughout these 50 years are presented. As a gift, a copy of the monograph was given to each attendee.

Finally, the IETcc choir "Los Acentos" delighted those present with the interpretation of 4 choral pieces, which was followed by a cocktail in which friends and colleagues of the Society shared knowledge and anecdotes about these first 50 years.

iHappy birthday to the Spanish Acoustical Society!

Job Announcements



Student Assistant to R&D, HBK (Hottinger, Brüel & Kjær). Nærum, Denmark.



PhD Position 'Scene-Aware Compensation Strategies for Hearing Aids in Adverse Conditions', Technical University of Denmark. Lyngby, Denmark.



Postdoc in Water quality and Sound, Royal Nioz Texel. Den Burg, Netherlands.



EPSRC DTP Studentship – Thermoacoustic measurements and modelling, University of Cambridge. Cambridge, United Kingdom.



Acoustics Engineer, Thales Group. Templecombe, United Kingdom.



Assistant Acoustics Consultant, RPS UK. Brighton, United Kingdom.



Graduate Acoustics Engineer, Hoare Lea. Bristol, United Kingdom.



Acoustic Consultant / Senior Acoustic Consultant / Principal Acoustic Consultant, RSK Group. Hemel Hempstead, United Kingdom.



Calculation Engineer NVH, Lilium. Munich, Germany.



Audio Engineer, GN Audio. Ballerup, Denmark.



Audio Lead GN Audio, GN Audio. Ballerup, Denmark.



PhD position on „Virtual acoustics in atmospheric sound propagation”, Laboratory or Acoustics/Noise Control at EMpa. Dübendorf (Zurich), Switzerland.



Publications



Methodology for the subjective evaluation of airborne sound insulation through 2-AC and Thurstonian models

Single-Number Quantities (SNQs) are used to evaluate the performance of sound insulation elements through a global and quantitative value that takes into account the contribution of all frequency bands. In recent years, several studies have been carried out to investigate how representative these magnitudes are of the subjective perception of sound protection perceived by human beings. These studies have mainly been carried out through listening tests, in which a series of participants had to judge how they perceived the effect that certain sound insulation elements had on different sound samples, regarding several terms such as annoyance or loudness. Different methodologies have been used, in which possible sources of bias that may affect the results have been considered in varying degrees of detail, depending on the study. In addition, most of these studies were only able to evaluate the correlation between the usual SNQs and the subjective perception of sound insulation, but they were not able to determine the causes that have generated these correlations. This limitation has been mainly caused by the methods used for the design and analysis. The purpose of this article is to propose a detailed methodology,

based on difference testing methods and Thurstonian models. This methodology focuses not only on evaluating the existing relationships between the different SNQs and the subjective perception of sound insulation but also on determining the causes that generate those relationships. The fact that this methodology focuses on determining the causes can help to identify the shortcomings of the current SNQs and propose new SNQs, which are more representative of the subjective perception of sound insulation. In order to address this proposal, all stages of the design, performance and analysis of the listening test are first described in detail, emphasizing the factors that need to be addressed with utmost care, as they may have a representative influence on the quality and relevance of the results. In addition, the advantages of carrying out an experimental design based on difference testing methods and Thurstonian models are presented. This methodology is then explained in detail by means of a case study, in which the subjective perception of different façade elements is evaluated. Through this case study, the benefits of an experimental design based on a 2-AC (2 alternative choice) difference testing method and a Thurstonian modeling approach for the analysis of the results are highlighted as an alternative for current methods of design and analysis.

Publications



About the author

Daniel de la Prida is a PhD student at the Technical University of Madrid (Spain). His research mainly focuses on the assessment of the subjective perception of environmental noise and airborne sound insulation. He is also a research assistant and technician at the Laboratory for Acoustics and Vibrations (Arquilav) since 2016. Besides his work at the Technical University of Madrid, he is assistant professor for several subjects on Acoustics at the Carlos III University since 2018.

Apart from his work in academia, Daniel works as a consultant in the railway sector, in software development and acoustic solutions. He has also worked as Acoustic Engineer for companies in the field of signal processing and building acoustics both in Spain and Austria, where he lived for more than a year.

Daniel got his B. Sc. in Telecommunications Engineering at the Carlos III University of Madrid in 2013 and his M. Sc. in Acoustics and Vibrations Engineering at the University of Valladolid (Spain) in 2014.



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