

## 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!

### News [page 4](#)



Read about the new YAN Discord Server.

### 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 Instituto de Investigación para la Gestión Integrada de Zonas Costeras (IGIC) - Universitat Politècnica de València (UPV). Spain.

## Board's Highlights



NEWS

Get to know the services the YAN provides and has newly started. You will find a summary of the available tools.

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PUBLI

Read about a publication on Sound absorption and diffusion by 2D arrays of Helmholtz resonators.

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## Upcoming Events



### June 2020

**20<sup>th</sup> - 26<sup>th</sup> — SMC 2020** — 17<sup>th</sup> Sound and Music Computing Conference. Turin, Italy.  
**Virtual conference**



**23<sup>rd</sup> - 26<sup>th</sup> — IV Ecoacoustics Congress.** Ubrino, Italy.  
**Postponed to 23<sup>rd</sup> to 27<sup>th</sup> of June 2021**



### July 2020

**12<sup>th</sup> - 16<sup>th</sup> — ICSV 27** — The 27<sup>th</sup> International Congress on Sound and Vibration.  
 Prague, Czech Republic. **Postponed to July 2021**



### August 2020

**19<sup>th</sup> - 23<sup>rd</sup> — IHCON 2020** — International Hearing Aid Research Conference. Tahoe City,  
 USA. **Postponed to 2022**



**23<sup>rd</sup> - 26<sup>th</sup> — inter-noise 2020** — The 49<sup>th</sup> International Congress and Exposition on  
 Noise Control Engineering. Seoul, Korea. **Virtual Conference**



## Upcoming Deadlines



### June 2020

**12<sup>th</sup> — A&V 2020** — 1<sup>st</sup> Biennial International Conference on Acoustics and Vibration Denpasar, Indonesia. [Abstract submission](#)



**25<sup>th</sup> — inter-noise 2020** — The 49th International Congress and Exposition on Noise Control Engineering. Seoul, Korea. [Paper submission](#)



**30<sup>th</sup> — AIA 2020** — 47<sup>th</sup> AIA National Conference. Matera, Italy. [Paper submission](#)



### July 2020

**1<sup>st</sup> — Noise-Con 2020** — USA National Noise Control Conference. New Orleans, USA. [Abstract submission](#)



**17<sup>th</sup> — Timbre 2020** — 2<sup>nd</sup> International Conference on Timbre. Thessaloniki, Greece. [Paper submission](#)



### August 2020

**19<sup>th</sup> — ICAANS 2020** — International Conference on Architectural Acoustics and Noise Control. Lisbon, Portugal. [Paper submission](#)





## YAN services

Over the last months, YAN has started some new services and also kept offering the previous ones. In our newsletter of June, we summarize the available tools so you can join those that fit you best and start enjoying them right now.

### Newsletter

We send a monthly newsletter with all the news in the field of acoustics with events, job offers, local news, etc., but if you're reading this, you already know it... right?

### Discord

This is our newest tool, and we already introduced it in our previous newsletter. Since the chances of organizing face-to-face events during 2020 are not very high, we have opened a Discord server that will help us to have a more direct contact between YAN members by joining virtual meeting rooms, pubs and sharing resources.

You can get free access to the server with this link:

<https://discord.com/invite/bHWwHHY>



### Social networks

Of course, in an association aimed at networking, social networks could not be missing. You can find us in Instagram (@eaa\_yan), Facebook (Young Acousticians Network - YAN), LinkedIn (EAA Young Acousticians Network (YAN)) and Twitter (@eaa\_yan).

### Events in conferences

As most of you already know, we also organize events during conferences. The variety of events is wide, and go from ice-breaking events to get to know people at the beginning of conferences, social evening at bars to have a drink together and organizing events for helping and giving advice to young acousticians in their current or future careers. You're free to join whenever we meet!

### Any suggestion?

In YAN we are always looking for ways to keep improving and helping young acousticians in their careers and to have fun together. If you know any tool that may be interesting for us or have any suggestion, do not hesitate to contact us.



### Kick-off of the Mentoring Program of jungeDEGA

JungeDEGA, the German association for young acousticians, has started a mentoring program to bring together acousticians from different locations in the country. The goal of this program is that the mentors and mentees participating in this program can exchange their experience and knowledge in different fields of acoustics and contribute to their growth.

During the time the program is running, mentees and mentors will have periodic online meetings or even personal if they get the chance to talk about aspects such as career advice and prospects, among others.

The kick-off meeting was successfully held online by the end of May with a very good number of participants. During the event, several mentors and mentees got to know each other and had the chance to introduce themselves and their interests.

This is the starting point of a very enriching experience!



**Publications?!**

**Do you have a new publication  
in the field of acoustics?**

Publish here and introduce your publication to other young acousticians all over Europe! Contact us through:

[yan@euracoustics.org](mailto:yan@euracoustics.org)

## Job Announcements



**Assistant Acoustic Consultant**, Hann Tucker Associates. Surrey and Manchester, United Kingdom.



**Underwater Acoustics Research Engineer**, Hartley Resourcing. Southampton, United Kingdom.



**Technical Support**, Rockwool Group. Milano, Italy.



**Junior specialist in Acoustics** (in Dutch), DGMR Raadgevende Ingenieurs. Arnhem, Netherlands.



**NVH Engineer**, MAHLE Electronics. Paterna, Spain.



**Acoustician**, Citae. Île-de-France, France.



**Acoustics Engineer**, VENATHEC Acoustique. Lille and Paris, France.



**Acoustics Engineer**, VENATHEC Acoustique. Paris, France.



**Acoustics Engineer**, VENATHEC Acoustique. Grenoble or Lyon, France.



**Acoustic Technician**, VENATHEC Acoustique. Aix-en-Provence, France.



**Audio Engineer**, Jabra. Ballerup, Denmark.



**NVH Simulation Engineer**, Valeo. Erlangen, Germany.



## Publications



### Sound absorption and diffusion by 2D arrays of Helmholtz resonators

We report a theoretical and experimental study of an array of Helmholtz resonators optimized to achieve both efficient sound absorption and diffusion. The analysis starts with a simplified 1D model where the plane wave approximation is used to design an array of resonators showing perfect absorption for a targeted range of frequencies. The absorption is optimized by tuning the geometry of the resonators, i.e., by tuning the viscothermal losses of each element. Experiments with the 1D array were performed in an impedance tube. The designed system is extended to 2D by periodically replicating the 1D array. The 2D system has been numerically modeled and experimentally tested in an anechoic chamber. It preserves the absorption properties of the 1D system and introduces efficient diffusion at higher frequencies due to the joint effect of resonances and multiple scattering inside the discrete 2D structure. The combined effect of sound absorption at low frequencies and sound diffusion at higher frequencies, may play a relevant role in the design of noise reduction systems for different applications.

#### About the author

Iván recently got his PhD in Acoustics at the Universitat Politècnica de Valencia (UPV), in Spain. His PhD project, co-funded by and developed in collaboration with the European

Space Agency, is about noise reduction methods for the launch pad during the first stages of rocket launch (engine ignition and lift-off).

His work is mainly related to sound absorption by means of the use of the critical coupling condition in locally resonant systems and, in the past, he has also worked in the field of environmental and building acoustics. Furthermore, due to his background as a BSc in Environmental Science, he collaborates in projects related to remote sensing.

He is currently part of the YAN's Board, where he collaborates as Job Offers Manager. In this role, his main task is collecting the job offers and academic positions and distributing them between the members of the association, as well as giving a helping hand in organizing events.

Apart from the professional aspects, he is passionate about photography, nature and practicing sports.



#### INFOS

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