

Newsletter's Summary

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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 Forum Acusticum 2020 and Acta Acustica.

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 the Laboratoire d'Acoustique de l'Université du Mans (LAUM) from the Université du Mans, Le Mans, France.

Board's Highlights



NEWS

Acta Acustica united with Acustica is undergoing a few drastic changes. Read about it on page 5.

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PUBLI

Read about a publication on limits of flexural wave absorption by open lossy resonators: reflection and transmission problems.

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Upcoming Events



October 2019

14th - 18th — CMMR 2019 — 14th International Symposium on Computer Music Multidisciplinary Research. Marseille, France



16th — Sound Sensing in Smart Cities 2. London, England.



16th - 18th — Acoustics 2019 — Acoustics 2019 High Tatras. Štrbské Pleso, Slovakia.



19th - 21th — JVE Conference — 42nd International JVE Conference. Shanghai, China.



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



Upcoming Deadlines



October 2019

15th — Control ICAANS 2020 — International Conference on Architectural Acoustics and Noise Control. Lisbon, Portugal. [Deadline for abstract submission](#)



21st — ICASSP 2020 — International Conference on Acoustics, Speech, and Signal Processing. Barcelona, Spain. [Deadline for abstract submission](#)



November 2019

1st — DAGA 2020 — 46. Jahrestagung für Akustik. Hannover, Germany
[Deadline for abstract submissions](#)



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](#)



Upcoming Deadlines



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**



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



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

Local News



Forum Acusticum 2020

In April 2020, from the 20th to the 24th, Lyon (France) will host the 9th Forum Acusticum, the triennial conference of the European Acoustics Association. With more than 130 structured sessions and 5 days of convention, this event most probably has a place for your work. It is also the best moment in 2020 to meet researchers from all over the world. Keep in mind the short deadline for submission and the dates of the reviewing process:

- 1st December 2019:
[Deadline for abstracts](#)
- 15th January 2020:
[Notification of acceptance](#)
- 15th February 2020:
[Deadline for early-bird registration](#)

As FA is one of the main conferences of the EAA, there will also be 10 grants awarded to young researchers, covering the registration fee, and application to receive a grant is to be sent to

secretary@euracoustics.org.

Finally, the YAN and its European partners are intended to set up a full program dedicated to young researchers and early career acousticians involving the traditional social event and most probably a few more interesting events!

Acta Acustica

Acta Acustica united with Acustica, the scientific journal of the European Acoustics Association is undergoing a few drastic changes. Late in September, the submission system was closed to prepare for a change of editor. Ending a contract with Hirzel (Germany), the journal will now be edited by EDP Sciences (France). This change of editor is accompanied by a change of name, the journal is turning back to its former name: Acta Acustica! The new submission system will be open shortly and with this will start a new paradigm for the journal. Indeed, from now on, Acta Acustica will be a full open access journal publishing both letters and full-blown papers.

The Article Processing Charges (APC) are:

- Letter: 400€
- Paper: 900€

For authors that don't have planned funding for open-access papers or an agreement between EDP and the local library/research agency, the European Acoustic Association will be covering the APC so authors can submit papers for free.

[More about that in appendix!](#)



Job Announcements



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



Acoustics Consultant, RSK Acoustics. Dublin, Ireland.



Acoustic Consultant, KP Acoustics. London, England.



Graduate Acoustic Consultant, Cundall. Manchester, England / Edinburgh, Scotland.



Consultants, Noise Consultants Ltd. Warrington/London, England



Calculation Engineer NVH, Lilium. Munich, Germany.



Principal Engineer, Acoustical Experience R&D, HARMAN International. Karlsbad, Germany.



Senior Acoustic Engineer, HARMAN International. Budapest, Hungary.



CFD Engineer, NOVA Engineering. Hasselt, Belgium.



Application Engineer Audio, VeroTech. Leuven, Belgium.



Project Engineer – Structural Dynamics & Vibrations, Van Geffen Allround Machine Support. Empel, Netherlands.



Research Assistant in "ITN VRACE", Institute of Communications Technology, Leibniz University Hannover. Hannover, Germany. Closing date: October 31th 2019



Publications



Limits of flexural wave absorption by open lossy resonators: reflection and transmission problems

The limits of flexural wave absorption by open lossy resonators are analytically and numerically reported in this work for both the reflection and transmission problems. An experimental validation for the reflection problem is presented. The reflection and transmission of flexural waves in 1D resonant thin beams are analyzed by means of the transfer matrix method. The hypotheses, on which the analytical model relies, are validated by experimental results. The open lossy resonator, consisting of a finite length beam thinner than the main beam, presents both energy leakage due to the aperture of the resonators to the main beam and inherent losses due to the viscoelastic damping. Wave absorption is found to be limited by the balance between the energy leakage and the inherent losses of the open lossy resonator. The perfect compensation of these two elements is known as the critical coupling condition and can be easily tuned by the geometry of the resonator. On the one hand, the scattering in the reflection problem is represented by the reflection coefficient. A single symmetry of the resonance is used to obtain the critical coupling condition. Therefore the perfect absorption can be obtained in this case. On the other hand, the transmission problem is represented by two

eigenvalues of the scattering matrix, representing the symmetric and anti-symmetric parts of the full scattering problem. In the geometry analyzed in this work, only one kind of symmetry can be critically coupled, and therefore, the maximal absorption in the transmission problem is limited to 0.5. The results shown in this work pave the way to the design of resonators for efficient flexural wave absorption.

About the author

Julien Leng is an alumni from the Université du Mans. He received the bachelor's degree in Engineering Science in 2014 and followed a master's



degree in Research in Acoustic in 2016. He is currently completing his PhD in Acoustics in the Laboratoire d'Acoustiques de l'Université du Mans (LAUM) and researching on the design of metaplate for controlling flexural waves. His PhD is also in codirection with the Universitat Politècnica de Valencia in Spain.

INFOS

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Appendices





Acta Acustica[®], The Journal of the European Acoustics Association

goes back to the future

Starting from January 2020, important changes will occur in the journal of the European Acoustics Association (EAA): our journal will become a **full Open Access Journal**.

Thus our Journal will have an increased citation and usage, a greater public engagement, faster impact, wider collaboration.

Thus, for the benefit of its 9000 members, the EAA will be in full accordance with the plan S (<https://www.coalition-s.org/>) established by 16 European Funding Agencies (incl. the EC) and imposing the publication of research results in full open access journals, starting in January 2021.

To fulfil this important objective, additional changes have been necessary, namely going back to the original title of the journal (ACTA ACUSTICA[®]) and moving to EDP Science, actually the former publisher in 1993-95. The press release is available at the following link:

<https://www.edpsciences.org/en/news-highlights/1830-open-access-acous>

The main change related to Open Acces is that the cost of publication is transferred from the journal subscribers to the authors of articles.

Being aware of this, the EAA has set up a support scheme, based on the solidarity principle among the National Societies. The scheme provides to the EAA member authors financial support to pay the required Article Processing Charge (APC) as detailed hereafter.

ACTA ACUSTICA[®], with its reknown reputation since 1993, will be the suitable on-line platform for all acousticians to disseminate their work worldwide. The opening of the new submission website will be done during the first half of October.

Don't miss this opportunity to become active for co-creating participative science

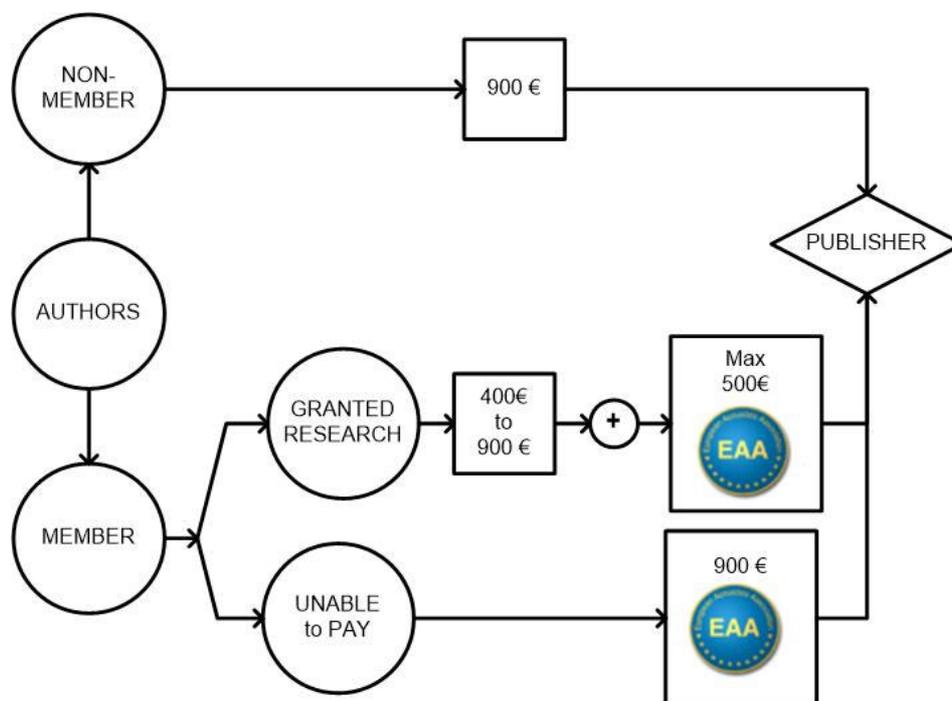
Prof. Jorge Patricio

EAA president

OPEN ACCESS

APC (Article Processing Charge)

EAA provides support to its members publishing papers on Acta Acustica® full Open Access by means of an economic contribution to the Article Processing Charge (APC) payment, in accordance with the procedure set in the flow chart below. The values established for 2020 as follows:



The APC is 900€, and is divided by 2 for short papers, as well as the support by EAA.

Two categories of EAA member authors are defined:

- 1) without any grant for APC, i.e. authors without any affiliation to an institution, or that their institution does not accept the APC as an expense;
- 2) partially granted for APC from other funders.

The procedure is structured into three steps as follows:

- a) At the time an article has been accepted for publication, the EAA member corresponding author applies to her/his National Society in case she/he needs financial support for APC (no grant or partially granted). In any case the author must declare on her/his liability one the following clauses:
 - either having no affiliation to an institution or that this institution does not accept the APC as an expense (category 1);
 - having other funders, to be specified together with the amount of grant already available (category 2).
- b) The National Society of the applicant will transmit the above request and the information to the EAA General Secretary together with certification of her/his affiliation for at least the last three years.
- c) If the above requirements are met, the EAA General Secretary will inform the corresponding author and the publisher of the amount of financial support granted by EAA.

The EAA Board settles the APC contribution rates and revises them annually. For 2020 the EAA contribution rates are:

- 1) 900€ (+VAT) of APC for EAA authors without any grant (category 1);
- 2) maximum of 500€ (+VAT) for EAA authors having other funders (category 2).

The financial contribution will be paid by EAA to the EDP publisher that, at the agreed schedule, will invoice EAA for the amount of the EAA granted papers.