

Welcome / Editorial Note

Dear YAN members,
We hope this message finds you well. As we move into May, we continue to reflect on a dynamic period for the acoustics community while also looking ahead with fresh energy. In this issue, we share highlights from recent activities, showcase new research and collaborations, and highlight upcoming events and opportunities where you can continue to connect with fellow young acousticians around the world.
Enjoy the read,
The Young Acousticians Newsletter Team

Newsletter's Summary

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

News This month's news spans awards and competitions for young acousticians, major European research funding opportunities, and new evidence underscoring the health burden of noise pollution across Europe.

Job announcements Find your dream job in this fresh list of opportunities! If you wish to announce a position, please email the [YAN team](#).

Publications This month, find a publication titled "Convergence analysis and relaxation techniques for modal scalar auxiliary variable methods applied to nonlinear transverse string vibration" co-authored by Riccardo Russo, Craig J. Webb, Michele Ducceschi, Stefan Bilbao.

Upcoming Events!

May 2026
4th- 6th Baltic-Nordic Acoustic Meeting 2026
[Gothenburg, Sweden](#)

June 2026
15th- 18th ICUA International Conference on Underwater Acoustics
[Glasgow, UK](#)
22th- 24th International Conference on Structural Nonlinear Dynamics and Diagnosis
[Marrakech, Morocco](#)
29th- 1st Quiet Drones 2026
[Delft, Netherlands](#)

July 2026
5th- 10th International Congress on Sound and Vibration
[Istanbul, Turkiye](#)

September 2026
7th- 9th The 2026 Leuven Conference on Noise and Vibration Engineering
[Leuven, Belgium](#)
8th- 12nd Forum Acusticum
[Graz, Austria](#)
14th- 18th Acoustics 2026: 72nd Open Seminar on the Acoustics united with 39th Seminar on Hydroacoustics
[Krynica Morska, Poland](#)
23rd- 24th Congresso Construção 2026
[Aveiro, Portugal](#)

October 2026
25rd- 28th International Symposium on the Acoustics of Ancient Theatres
[Cartagena, Spain](#)

November 2026
16th- 20th 8th Symposium on the Acoustics of Poro-Elastic Materials
[Paris, France](#)

Upcoming Deadlines!

May 2026
11st Congresso Construção 2026
Deadline for full paper submission. [Submission](#)
15th International Conference on Structural Nonlinear Dynamics and Diagnosis
Deadline for full paper submission. [Submission](#)
22nd International Symposium on the Acoustics of Ancient Theatres
Abstract submission. [Submission](#)
29th International Conference on Structural Nonlinear Dynamics and Diagnosis
Full paper submission. [Submission](#)

June 2026
1st Quiet Drones 2026
Deadline for Full Paper submission. [Submission](#)
5th Symposium on the Acoustics of Poro-elastic materials
Deadline for abstract submission. [Submission](#)
15st Forum Acusticum 2026
Deadline for Full Paper submission non-peer reviewed. [Submission](#)
15th Symposium on the Acoustics of Poro-elastic materials
Deadline for early registration. [Registration](#)

July 2026
3rd Acoustics 2026: 72nd Open Seminar on the Acoustics united with 39th Seminar on Hydroacoustics
Deadline for abstract submission. [Submission](#)

September 2026
18nd International Symposium on the Acoustics of Ancient Theatres
Short Paper submission. [Submission](#)

News!

Deadline Extended for Forum Acusticum 2026 Abstract Submissions

The abstract submission deadline for Forum Acusticum 2026, the flagship conference of the European acoustics community, has been officially extended. The event will take place from 6 to 12 September 2026 in Graz, Austria, bringing together researchers, professionals, and industry experts across all areas of acoustics. This extension offers an important opportunity for young acousticians who may need additional time to prepare and submit their work. In addition, EAA Travel Grants (<https://forum-acusticum.org/fa2026/index.php/ea-awards/>) are available, providing financial support of €500 along with free registration, making participation more accessible for students and early-career researchers. The new abstract submission deadline is 3 May 2026.

International Noise Awareness Day Webinar: Bridging the Gap Between Research and Action

Despite growing evidence and increasingly strict regulations, environmental noise continues to be an underestimated threat to public health and overall quality of life. Why does the gap between scientific knowledge, public awareness, and effective action still persist? On the occasion of International Noise Awareness Day, the Young Acousticians Network (YAN) is hosting a webinar that brings together experts from European institutions, academia, and professional practice to address this critical issue. The discussion will focus on the barriers to awareness, the role of recent scientific evidence in shaping policy, and strategies for better integrating noise considerations into urban and spatial planning. Speakers include Dr. Eulalia Peris (EAA), Prof. Francesco Aletta (UCL), and Dr. Efstathios Margaritis (University of Southampton). [The webinar](#) will take place on 5 May, 13:00-14:00 CET and is particularly relevant for students and early-career professionals in acoustics, urban planning, public health, and environmental management.

EAA Summer School 2026: Emerging Topics in Acoustics for Young Researchers

The EAA Summer School 2026 will take place from 6 to 8 September 2026 in Graz, Austria, as part of the Forum Acusticum 2026 programme. This initiative is specifically designed for students and early-career researchers, offering a focused learning environment on emerging and interdisciplinary topics in acoustics. The summer school provides a unique opportunity to engage with leading experts, gain insight into current research trends, and build international connections within the acoustics community. Through lectures, discussions, and interactive sessions, participants will explore cutting-edge developments across various subfields of acoustics. Participation in the EAA Summer School is highly recommended for young acousticians planning to attend Forum Acusticum.

Inter-Noise 2026: A Global Platform for Noise Control and Acoustics

Inter-Noise 2026, one of the leading international conferences on noise control engineering and acoustics, will bring together researchers, practitioners, and industry professionals from around the world. The event provides a comprehensive platform for presenting and discussing the latest developments in environmental noise, building acoustics, transportation noise, and soundscape research. For young acousticians, Inter-Noise represents a valuable opportunity to showcase research on an international stage, engage with a global network, and explore emerging topics in both theoretical and applied acoustics. The conference typically features a wide-ranging scientific programme including technical sessions, keynote lectures, and industry-focused discussions. Participants are encouraged to follow updates regarding abstract submissions, deadlines, and registration details.

Job Announcements

Deep Learning for Speech and Audio Coding
Fraunhofer IIS
[Erlangen, Germany](#)

Acoustic Engineer
Loop Earplugs
[Antwerp, Belgium](#)

PhD Studentship: AI for Proton-Acoustics for Real-Time 3D Dosimetry of Proton Therapy
University of Surrey
[Guildford, UK](#)

Postdoctoral Research Associate in Environmental Soundscape Analysis
University of Edinburgh
[Edinburgh, UK](#)

PhD: Vibroacoustic control of fluid-filled pipes with add-on acoustic black holes
INSA Lyon
[Lyon, France](#)

PhD: Control and characterization of multilayer structures using guided acoustic waves generated and detected by laser
IEMN - Valenciennes
[Valenciennes, France](#)

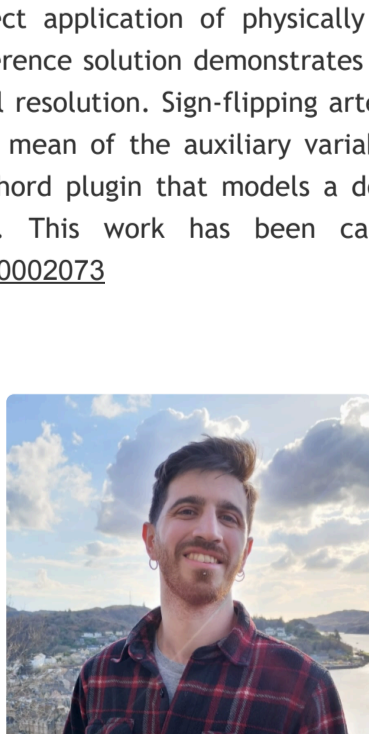
Postdoc: Resolvent-based shape optimisation for airframe aeroacoustics
Poitiers Pprime
[Poitiers, France](#)

Publication

Title: Convergence analysis and relaxation techniques for modal scalar auxiliary variable methods applied to nonlinear transverse string vibration

When simulating string vibration, geometric nonlinearities due to large strains play a crucial role, introducing important perceptual effects. A major concern when simulating nonlinear systems, particularly in musical acoustics, where losses are typically low, is guaranteeing numerical stability. This is usually achieved by ensuring the conservation of numerical energy, which typically leads to computationally expensive numerical schemes. The Scalar Auxiliary Variable (SAV) method had already made fast, explicit and stable numerical schemes possible by avoiding iterative solvers, but previous FDTD-based implementations of the cubic string model suffered from anomalous sign-flipping of the auxiliary variable at standard audio sampling rates, producing audible artefacts. This work applies SAV to the cubic model using a modal spatial discretisation instead of FDTD. This reduces numerical dispersion through exact discretisation of the linear part of the system, and allows the direct application of physically informed, frequency-dependent damping profiles. A convergence analysis against a high-oversampling reference solution demonstrates second-order accuracy, with errors further reduced as numerical dispersion is decreased through finer modal resolution. Sign-flipping artefacts are resolved by adapting a constraint technique from collision modelling that enforces the two-point mean of the auxiliary variable to remain non-negative. A practical application is demonstrated by building a real-time virtual harpsichord plugin that models a double-register nonlinear string voice, controlled via a prototype sensor-augmented harpsichord keyboard. This work has been carried out within the ERC-funded project NEMUS: <https://nemusproject.eu/>. DOI: <https://doi.org/10.1121/2.0002073>

About the Author



Riccardo is a Postdoctoral Research Fellow at the University of Bologna. His research focuses on developing efficient numerical methods to simulate the vibration of musical instruments, including real-time implementations. He holds a B.Sc. in Physics from the University of Bologna and a first-level Master's in Sound Engineering from the University of Rome Tor Vergata. He then joined IK Multimedia as a C++ developer. He subsequently completed an M.Sc. in Sound and Music Computing at Aalborg University Copenhagen, with a thesis on the physical modelling of plate reverbs – during which he undertook an internship at the GRAME-CNRC centre in Lyon. He then earned a PhD in 2025 with a dissertation on non-iterative simulation techniques for nonlinear string vibration in musical acoustics. His doctoral work was carried out within the ERC-funded NEMUS project. During his PhD, he was a visiting researcher at the Acoustics and Audio Group of the University of Edinburgh, working on efficient Finite Difference Time Domain algorithms for real-time string simulation.

Final Notes !

From concert halls to classrooms, from echoes to soundscapes – may your days resonate with new insights and bright ideas!

All the best,
The YAN Editorial Team **Young minds. Sound ideas.**

Our editorial team members:

Sara Sberro | Riccardo Russo | Hatice Kurukose Cal | Begum Nizam