

## News

### Hi everyone!

Here is the Summer issue, several news are provided concerning the events, deadlines and job/study opportunities. Lots of jobs and phd positions are provided by the French national society of acoustics.

A summary of ICA meeting is also presented.

A post on the first hearing device on a child is at page 3.

At the same page you can find YAN publication on tyre noise.

Finally, first announcement of Internoise workshop is provided.

Next issue will be provided in september so news and further eventual updating will be provided by email.

**Have a nice summer, best regards,  
The YAN TEAM**

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## ICA 2013 Montreal

Montreal hosted the last International Congress on Acoustics from 2nd-7th June. The congress gathered about 2 300 attendants and more than 1 600 works were presented. Importantly, the participation of young acousticians should be highlighted: 725 students coming from 45 different countries!! A nice student reception was held in the rooftop of congress venue.

At this occasion, a meeting was organized between representatives from the Student Council of the Acoustical Society of America (ASA) and the YAN. Interesting interactions between the two associations occurred that surely will lead to future collaborations. Among others, the chair of the ASA Student Council, Whitney Coyle, will take over the responsibility as YAN representative from the US. We would like to give a warm welcome to Whitney and to all the new YAN members from the US!



# Upcoming events & Deadlines

## Upcoming events for July 2013:

- 7-11 (ICSV 2013) 20th International Congress on Sound and Vibration
- 19-21 (ICHKM 2013) The keyboard and its role in the internationalization of music 1600-1800
- 23-26 Invertebrate Sound and Vibration 2013
- 25-27 (AES 50th) AES 50th Conference on Audio Education
- 30 Jul. -3 Aug. (SMAC 2013) Stockholm Music Acoustics Conference 2013

## Upcoming events for August 2013:

- 11-16 3rd International Conference on Effects of Noise on Aquatic Life
- 12-16 (ICMC 2013) The International Computer Music Conference 2013
- 21-24 (AES 51st) AES 51st International Conference on Loudspeakers and Headphones
- 26-28 (Noise-Con 2013) 5th International Conference on Wind Turbine Noise 2013
- 28-30 (WTN13) 5th International Conference on Wind Turbine Noise

## Upcoming events for September 2013:

- 2-4 (AES 52nd): 52nd Conference on Sound Field Control-Engineering and Perception
- 2-6 (DAFx-13) 12th - International Conference on Application of Contemporary Non-destructive testing in Engineering
- 4-6 (ICNDT 2013): 12th - International Conference on Application of Contemporary Non-destructive testing in Engineering
- 8-13 (IBAC2013) International Bioacoustics Congress 2013
- 9-13 (EUSIPCO2013) 21th European Signal Processing Conference
- 15-18 (INTERNOISE 2013) International Congress and Exposition on Noise Control Engineering
- 26-28 (ETAI 2013) 11th International conference on Electronics, Telecommunications, Automation and Informatics
- 30 Sept. 2 Oct. Echopolis - Days of Sound

## Submission deadlines for July 2013:

- 5 (JAAN 2013). Acoustic and naval applications (Abstract)
- 8 166th Meeting of the Acoustical Society of America (Abstract)

## Submission deadlines for August 2013:

- 25 (SYMPOL 2013) 12th biennial Symposium on Ocean Electronics (Full paper)
- 30 (PURAC 2013) The 4th Pacific Rim Underwater Acoustics Conference (Full paper)

## Submission deadlines for September 2013:

- 1 Tecniacustica 2013 (Full paper)
- 7 Acoustics 2013 New Delhi (Full paper)
- 15 AES 53rd) 53rd Conference on Semantic Audio (Abstract)

## Workshops in July 2013:

- 2 Good comprehension on working places: Forum of acoustics and additives solutions
- 20-24 Workshop on Elements of Cinematography Sonora
- 21-25 Symposium on 60th anniversary of the IEEE Ultrasonics, Ferroelectrics, and Frequency Control
- 24-26 (RIO Acoustics 2013) IEEE/OES Symposium on Acoustics in Underwater Geosciences
- 26-30 (CESMA) Summer Workshop on Perceptual Audio Coding

## Workshops in August 2013:

- 2-6 SMC Summer School in Sound and Music Computing

## Workshops in September 2013:

- 12-13 (ISMA 38) Annual ISMA course: Modal Analysis, Theory and Practice
- 12-13 (ISAAC 24) Annual ISAAC course: Advanced Techniques in Applied and Numerical Acoustics
- 23-27 Workshop on Physic Acoustic and applications
- 24-25 (CEAS and X-NOISE EV) Workshop on Atmospheric and ground effects on aircraft Noise
- 24-26 (COSAC 2013 MEETING) Symposium dedicated to Non- Destructive Testing in the field of Aeronautics
- 26 Recent developments in communication and focusing by time reversal

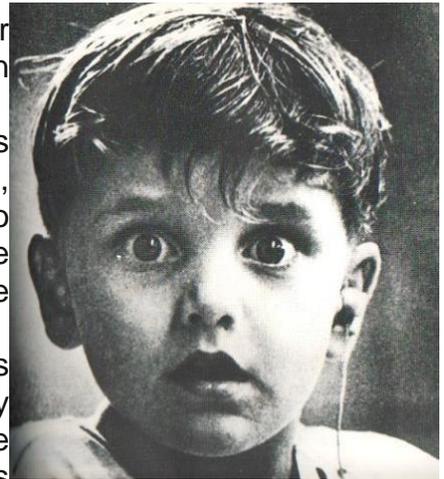
## Hearing for the first time

This impressive photograph was taken by the photographer Jack Bradley in the moment in which a child, who was born deaf, listens to a sound for the first time in his life.

Grayson, a three-year-old child, was born without the nerves that transport the sound from the inner ear up to the brain, which meant that the traditional implants were not effective to correct his deafness. The doctors of the University of Medicine of North Carolina, in The United States, inserted a device in the brain of a minor for the first time.

It is early to know what exactly Grayson hears, but the doctors are confident that he will eventually hear and speak like any other child. His parents assured that in a little time he has made great progress, from the magic moment in which these images were recorded. They said that this moment changed their lives and their son's life.

Here you can see the news live from CNN:



<https://www.youtube.com/watch?v=YymDXGscOK8>

More posts on acoustics on: <http://www.esehache.com>

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## YAN Publication

**Title:** "An experimental procedure to obtain sound power level of tyre/road noise under Coast-By conditions" [\[link to full paper\]](#)

**Author:** Nuria Campillo-Davo, Ramon Peral-Orts, Emilio Velasco-Sanchez, Hector Campello-Vicente

**Affiliation:** Universidad Miguel Hernandez de Elche, Elche (Alicante), Spain

**Published in:** Journal of Applied Acoustics, Volume 74, Issue 5, May 2013, Pages 718–727

**Abstract:**

The rolling noise from tyre–pavement interaction represents the greatest sound contribution from a vehicle when cruising at a high speed. To evaluate the sound levels from this source, existing standardized methods that establish different measurement procedures in both the immediate tyre surroundings, for example the Close-Proximity method, as well as at greater distances, as the Coast-By method. A fundamental parameter that can quantify the sound generation of a source is its sound power level. The standardized methods establish procedures to measure the sound pressure level but not the power level of a tyre as a noise source. For this reason, this paper presents a novel methodology based on sound pressure measurements to obtain the sound power level that a vehicle emits in Coast-By conditions, where noise is generated at tyre/road interaction. The paper describes the testing procedure used to obtain the sound power level, and it is accompanied by a mathematical simulation that studies the feasibility of the proposal. Finally, the proposed methodology is further validated through a field study.

# Job offers

Analyse de scène sonore multi-capteurs : un front-end temps-réel pour la manipulation de scène - Orange Labs, Rennes [\[link\]](#)

Application des processus perceptifs d'Analyse de Scène Auditive à la représentation et la compression d'une scène sonore complexe - Orange Labs, Lannion [\[link\]](#)

Etude de la réponse acoustique des collages directs et temporaires - IES (Montpellier), ST Microelectronics et CEA (Grenoble) [\[link, submission\]](#)

Retournement temporel appliqué à la localisation de bruits d'armes - Institut Saint Louis (68) et Laboratoire de Mécanique des Structures et des Systèmes Couplés du CNAM (75) [\[link\]](#)

Développement de méthodes de diagnostic vibratoire et acoustique pour les cloueuses portatives pneumatiques - ICAR, laboratoire d'acoustique commun à l'ÉTS et à l'IRSST, situé dans les locaux de l'ÉTS, Montréal, Canada [\[link\]](#)

Evaluation et qualification du niveau d'adhésion dans une structure tricouche métal/colle/métal - Laboratoire Ondes et Milieux Complexes, Le Havre [\[link\]](#)

Développement de cristaux phononiques actifs pour des applications ultrasonores, Development of active phononic crystals for ultrasound applications - GREMAN, Tours et LOMC, Le Havre [\[linkinFrench, linkinEnglish\]](#)

Sonification pour nouvelles stratégies de combustion - Interactions sonores et vibratoires - Laboratoire Vibrations Acoustique de l'INSA-Lyon [\[link\]](#)

POSTDOC:

Post Doc: Binaupsychoacoustics of room reverberation and machine learning – Technische Universität München. Bernhard Seeber, seeber@tum.de

Post Doc position in structural acoustics and vibration - Laboratoire Vibrations Acoustique, Lyon [\[link\]](#)

Post Doc: Singing Research, Digital Library Development – University of Prince Edward Island. [\[link\]](#)

Post Doc: University of California, Los Angeles, Bureau of Glottal Affairs. Jodry Kreiman, jkreiman@ucla.edu, Bruce Gerratt, bgerratt@ucla.edu

JOBS:

Entry-level Acoustic Consultant, - Acoustical Design Collaborative, Ltd, www.akustx.com, Neil Thompson, nts@akustx.com [\[link\]](#)

Lecturer on Industrial Acoustics, École de Technologie Supérieure, Montréal. [\[link\]](#) Paul Gely, paul.gely@etsmtl.ca

Poste d'ATER en contrôle de santé des structures - Arts et Metiers ParisTech, Paris [\[link\]](#)

Expert senior « Vibrations/Acoustique » - L'IRT Jules Verne recherche un responsable d'équipe de recherche technologique au Mans. Ce poste sera en forte liaison avec le LAUM [\[link\]](#)

Chef de projet dans le domaine du contrôle non destructif par ultrasons - CEA, Saclay [\[link\]](#) (contact frederic.jenson@cea.fr).

Ingénieur Contrats - Société d'Accélération du Transfert de Technologies - Ouest Valorisation SAS, Le Mans [\[link\]](#) <http://www.intec.ugent.be/node/24> [\[link\]](#)

Full-time Academic Position in Building Acoustics - Department of Civil Engineering of KU Leuven. [\[link\]](#)



## Young Professionals Workshop at Inter-Noise 2013, Sponsored by I-INCE

**COMING SOON**

Case studies and professional issues will be presented by world renowned experts. The aim is to establish informal discussions between young professionals and I-INCE leaders and senior noise control engineers.

The meeting will take place on Tuesday 17th but the time of the meeting will be confirmed later. A presentation of the YAN is included in the program.

The meeting will be open only to all registered students and young professional grant winners. Further details will be provided by email as soon as possible.

## **EAA YAN**

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