

Peer-reviewed journal papers

(submitted) Mansour Alkmim, João Cardenuto, Elisa Tengan, Thomas Dietzen, Toon van Waterschoot, Jacques Cuenca, Laurent De Ryck, Wim Desmet.

Drone noise directivity and psychoacoustic evaluation using a hemispherical microphone array.

(submitted) Yue Li, Jacques Cuenca, Laurent De Ryck, Mansour Alkmim, Onur Atak, Wim Desmet, Giulio Dolcetti, Anton Krynk.

Simultaneous estimation of shape and impedance of a scattering surface using BEM.

(submitted) Alberto Garcia de Miguel, Mariano Alvarez Blanco, Edgar Matas, Hadrien Beriot, Jacques Cuenca, Onur Atak, Karl Janssens, Bart Peeters.

Virtual pre-test analysis for optimization of multi-channel control strategies in direct field acoustic testing.

(submitted) Mansour Alkmim, Guillaume Vandernoot, Jacques Cuenca, Laurent De Ryck, Karl Janssens, Wim Desmet.

Real-time sound synthesis of pass-by noise using higher-order ambisonics and time-varying filters.

(submitted) Francesco Cosco, Jacques Cuenca, Wim Desmet, Karl Janssens, Domenico Mundo.

Towards phase-based defect detection: a feasibility study in vibrating panels.

(submitted) Michael-David Johnson, Anton Krynk, Giulio Dolcetti, Mansour Alkmim, Jacques Cuenca, Laurent De Ryck.

Application of Machine Learning to recover surface parameters from phaseless scattered acoustic data.

18. Ignazio Dimino, Claudio Colangeli, Jacques Cuenca, Pasquale Vitiello, Mattia Barbarino.

Active noise control for aircraft cabin seats.

Applied Sciences 12 (2022) 5610.

[pdf](#)
[doi](#)

17. Yue Li, Julie Meyer, Tapio Lokki, Jacques Cuenca, Onur Atak, Wim Desmet.

Benchmarking of finite-difference time-domain method and fast multipole boundary element method for room acoustics.

Applied Acoustics 191 (2022) 108662.

[pdf](#)
[doi](#)

16. Jacques Cuenca, Peter Göransson, Laurent De Ryck, Timo Lähivaara.

Deterministic and statistical methods for the characterisation of poroelastic media from multi-observation sound absorption measurements.

Mechanical Systems and Signal Processing 163 (2022) 108186.

[pdf](#)
[doi](#)

15. Athanasios Papaioannou, Stephen J. Elliott, Jordan Cheer, Jacques Cuenca, Mansour Alkmim.

Power-based application of frequency-averaged ℓ_1 -norm regularisation technique for the synthesis of accelerating indoor tyre pass-by noise.

Acta Acustica 5 (2021) 50.

[pdf](#)
[doi](#)

14. Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Wim Desmet.

Angle-dependent sound absorption estimation using a compact microphone array.

J. of the Acoustical Society of America 150 (2021) 2388.

[pdf](#)
[doi](#)

13. Venanzio Giannella, Claudio Colangeli, Jacques Cuenca, Roberto Citarella, Mattia Barbarino.

Acoustic assessment of aircraft headrests based on electrospun mats.

Applied Sciences 11(14) (2021) 6400.

[pdf](#)
[doi](#)

12. Giulio Dolcetti, Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Anton Krynk.

Robust reconstruction of scattering surfaces using a linear microphone array.

J. of Sound and Vibration 494 (2020) 115902.

[pdf](#)
[doi](#)

11. Luca Manzari, Huina Mao, Peter Göransson, Jacques Cuenca, Inés López Arteaga.

A method for the observation of the anelastic behaviour of anisotropic porous materials using digital image correlation.

J. of Sound and Vibration 474 (2020) 115244.

[pdf](#)
[doi](#)

10. Peter Göransson, Jacques Cuenca, Timo Lähivaara.

Parameter estimation in modelling frequency response of coupled systems using a stepwise approach.

Mechanical Systems and Signal Processing 126 (2019) 161-175.

[pdf](#)
[doi](#)

9. Juan Pablo Parra Martínez, Olivier Dazel, Peter Göransson, Jacques Cuenca.

Derivation of the state matrix for dynamic analysis of linear homogeneous media.

J. of the Acoustical Society of America 140(2) (2016) EL218-EL220.

[pdf](#)
[doi](#)

8. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca. [pdf](#) [doi](#)
Acoustic analysis of anisotropic poroelastic multilayered systems.
J. of Applied Physics 119(8) (2016) 084907.
7. Christophe Van der Kelen, Jacques Cuenca, Peter Göransson. [pdf](#) [doi](#)
A method for the inverse estimation of the static elastic compressional moduli of anisotropic poroelastic foams – with application to a melamine foam.
Polymer Testing 43 (2015) 123-130.
6. Christophe Van der Kelen, Jacques Cuenca, Peter Göransson. [pdf](#) [doi](#)
A method for characterisation of the static elastic properties of the porous frame of orthotropic open-cell foams.
International J. of Engineering Science 86 (2015) 44-59.
5. Jacques Cuenca, Christophe Van der Kelen, Peter Göransson. [pdf](#) [doi](#)
A general methodology for inverse estimation of the elastic and anelastic properties of anisotropic open-cell porous materials – with application to a melamine foam.
J. of Applied Physics 115 (2014) 084904.
4. Jacques Cuenca, Peter Göransson. [pdf](#) [doi](#)
Inverse estimation of the elastic and anelastic properties of the porous frame of anisotropic open-cell foams.
J. of the Acoustical Society of America 132(2) (2012) 621-629.
3. Jacques Cuenca, François Gautier, Laurent Simon. [pdf](#) [doi](#)
Harmonic Green's functions for flexural waves in semi-infinite plates with arbitrary boundary conditions and high-frequency approximation for convex polygonal plates.
J. of Sound and Vibration 331(6) (2012) 1426-1440.
2. Vasil B. Georgiev, Jacques Cuenca, François Gautier, Laurent Simon, Victor V. Krylov. [pdf](#) [doi](#)
Damping of structural vibrations in beams and elliptical plates using the acoustic black hole effect.
J. of Sound and Vibration 330(11) (2011) 2497-2508.
1. Jacques Cuenca, François Gautier, Laurent Simon. [pdf](#) [doi](#)
The Image Source Method for calculating the vibrations of simply supported convex polygonal plates.
J. of Sound and Vibration 322(4-5) (2009) 1048-1069.

PhD thesis

Jacques Cuenca. **Wave models for the flexural vibrations of thin plates** – Model of the vibrations of polygonal plates by the image source method; Vibration damping using the acoustic black hole effect. [pdf](#) [slides](#)
Doctoral thesis, Université du Maine, 2009.

Book chapters

Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Karl Janssens.
Virtual Pass-by noise synthesis.
PBNv2: Next generation Pass-By Noise approaches for new powertrain vehicles, 2021.

Conference papers

- 2021 68. Jacques Cuenca, Peter Göransson, Laurent De Ryck, Timo Lähivaara. Deterministic and statistical characterisation of poroelastic media from sound absorption measurements. Inverse Days, Tampere, 2021/12/14-16.
67. Yue Li, Jacques Cuenca, Laurent De Ryck, Mansour Alkmim, Giulio Dolcetti, Anton Krynkina. Rough surface characterization using acoustic optimization framework. 33rd Nordic seminar on computational mechanics, Jönköping, 2021/11/25-26.
66. Elias Zea, Eric Brandão, Mélanie Nolan, Joakim Andén, Jacques Cuenca, U. Peter Svensson. Learning the finite size effect for in-situ absorption measurement. Euronoise 2021, Madeira, 2021/10/25-27.
65. Jacques Cuenca, Peter Göransson, Laurent De Ryck, Timo Lähivaara. Deterministic and statistical methods for the characterisation of poroelastic media from sound absorption measurements. Symposium on the acoustics of poro-elastic materials (SAPEM), West Lafayette, 2021/3/30-4/1.
64. Alberto García de Miguel, Mariano Álvarez Blanco, Edgar Matas, Hadrien Beriot, Jacques Cuenca, Ivan C.S. Ngan, Bart Peeters. Numerical pre-test analysis for multi-channel control strategies in environmental acoustic tests. 16th European Conference on Spacecraft Structures, Materials and Environmental Testing, Braunschweig, 2021/3/23-25.
- 2020 63. Baltazar Brière de la Hossieraye, Felix S. Egner, Georgios Diapoulis, Huiqing Wang, Jacques Cuenca. A case study on workstation-dependent acoustic characterization of open-plan offices. Forum Acusticum 2020, Lyon, 2020/12/7-11.
62. Giulio Dolcetti, Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Anton Krynkina. Experimental surface shape reconstruction using microphone arrays. Forum Acusticum 2020, Lyon, 2020/12/7-11.

2019

2018

2017

61. Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Guillaume Vandernoot, Karl Janssens. Time-varying filter representation of acoustic transmission through panels under moving source excitation. Forum Acusticum 2020, Lyon, 2020/12/7-11.
60. Francesco Cosco, Jacques Cuenca, Wim Desmet, Karl Janssens, Domenico Mundo. On the usability of phase-based video motion magnification for defect detection in vibrating panels. ISMA/USD, Leuven, 2020/9/7-9.
59. Nicolas Auquier, Jacques Cuenca, Laurent De Ryck. Coherence-based nearfield acoustic holography for damage detection in plates. ISMA/USD, Leuven, 2020/9/7-9.
58. Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Karl Janssens, Nikolaos Kournoutos, Athanasios Papaioannou, Jordan Cheer, Wim Desmet. A semi-circular microphone array configuration for indoor pass-by noise sound synthesis. Internoise, Seoul, 2020/8/23-26.
57. Mansour Alkmim, Fabio Bianciardi, Guillaume Vandernoot, Laurent De Ryck, Jacques Cuenca, Karl Janssens. Pass-by noise synthesis from transfer path analysis using IIR filters. 18th Asia-Pacific Vibration Conference, Sydney, 2019/11/18-20.
56. Mansour Alkmim, Laurent De Ryck, Jacques Cuenca. Sound synthesis of an arbitrarily moving source above frequency-dependent ground. 26th International Congress on Sound and Vibration, Montréal, 2019/7/7-11.
55. Jacques Cuenca, Laurent De Ryck, Peter Göransson, Timo Lähivaara. Material parameter identification of coupled resonant systems using impedance tubes. 26th International Congress on Sound and Vibration, Montréal, 2019/7/7-11.
54. Mansour Alkmim, Laurent De Ryck, Jacques Cuenca. Effect of frequency-dependent ground impedance on the sound pressure level of a moving source. Internoise 2019, Madrid, 2019/6/16-19.
53. Timo Lähivaara, Peter Göransson, Jacques Cuenca. Deterministic and statistical parameter characterization in resonant fluid-structure interaction problems. 176th meeting of the Acoustical Society of America, Victoria, 2018/11/5-9.
52. Laurent De Ryck, Jacques Cuenca, Kristian Jambrošić, Christ Glorieux, Monika Rychtarikova, Vicent Romero-García, Alejandro Cebrecos, Noé Jiménez, Jean-Philippe Groby. Perceptual evaluation of metamaterials as insulation partitions: a listening test within the COST action DENORMS (CA15125). ISMA/USD, Leuven, 2018/9/17-19.
51. Luca Manzari, Peter Göransson, Jacques Cuenca, Inés López Arteaga. Experimental-numerical methods for inverse characterisation of the anisotropic-anelastic properties of porous materials, based on dynamic digital image correlation. ISMA/USD, Leuven, 2018/9/17-19.
50. Raphael Hallez, Claudio Colangeli, Jacques Cuenca, Emilio Di Lorenzo, Umberto Musella, Jan Debillé. Assessment of the vibro-acoustic performance of an all-electric light aircraft based on ground and in-flight measurements. ISMA/USD, Leuven, 2018/9/17-19.
49. Mansour Alkmim, Jacques Cuenca, Laurent De Ryck, Peter Göransson. Model-based acoustic characterisation of duct components and extrapolation to inhomogeneous thermal conditions. ISMA/USD, Leuven, 2018/9/17-19.
48. Jacques Cuenca, Peter Göransson, Laurent De Ryck, Timo Lähivaara. Inverse Parameter Estimation in Resonant, Coupled Fluid-Structure Interaction Problems. ISMA/USD, Leuven, 2018/9/17-19.
47. Luke Dowling, Huina Mao, Lara Flanagan, John Kennedy, Henry Rice, Daniel Trimble, Peter Göransson, Jacques Cuenca. A combined design-manufacturing-testing investigation of micro- to macro-scale tailoring of open poroelastic materials based on perturbed kelvin cell micro-geometries. ISMA/USD, Leuven, 2018/9/17-19.
46. Peter Göransson, Jacques Cuenca, Timo Lähivaara. Some observations on parameter estimation in strongly coupled fluid-structure interaction problems. 13th World Congress on Computational Mechanics (WCCM), 2018/7/22-27.
45. Raphael Hallez, Claudio Colangeli, Jacques Cuenca, Laurent De Ryck. Impact of electric propulsion on aircraft noise - all-electric light aircrafts case study. AIAA/IEEE Electric aircraft technologies symposium, Cincinnati, 2018/7/12-13.
44. Cassio T. Faria, Fabien Chauvicourt, Raphael Hallez, Claudio Colangeli, Jacques Cuenca, Herman Van der Auweraer, Thierry Olbrechts, Djiby Toure, Olivier Broca. Early-stages comfort simulation of an e-aircraft. AIAA/IEEE Electric aircraft technologies symposium, Cincinnati, 2018/7/12-13.
43. Luca Manzari, Peter Göransson, Jacques Cuenca, Ines Lopez Arteaga. Toward fully anisotropic viscoelastic material models using an automated high-speed optical rig. 13th International Conference on Vibration Measurements by Laser and Noncontact Techniques, Ancona, 2018/6/19-22.
42. Luca Manzari, Peter Göransson, Jacques Cuenca, Inés López Arteaga. A fully automated high-speed optical rig for in vacuo, full field, non-contact vibration measurements for viscoelastic, anisotropic materials. Noise and Vibration: Emerging Methods (NOVEM), Ibiza, 2018/5/7-9.
41. Peter Göransson, Jacques Cuenca, Eva Lundberg, Luca Manzari. Micro- to macro-scale investigations of anisotropy and local boundary stiffness variations in open-cell lightweight foams. Symposium on the acoustics of poro-elastic materials (SAPEM), Le Mans, 2017/12/6-8.
40. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca. Acoustic response of anisotropic multilayered structures: sub-layering of the anisotropic poroelastic core and influence of the material natural axis orientation. Symposium on the acoustics of poro-elastic materials (SAPEM), Le Mans, 2017/12/6-8.
39. Jacques Cuenca, Laurent De Ryck, Arnaud Perdigon, Thibaud Le Scolan. Characterisation of inhomogeneous ducts and porous media and extrapolation to experimentally unavailable thermal conditions. Symposium on the acoustics of poro-elastic materials (SAPEM), Le Mans, 2017/12/6-8.

38. Alexandre Mauricio, Carina Freitas, Jacques Cuenca, Bram Cornelis, Karl Janssens, Kostantinos Gryllias, Killian Hendrickx. Condition monitoring of gears under medium rotational speed. 24th International Congress on Sound and Vibration, London, 2017/7/23-27.
- 2016 37. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca, Luc Jaouen. Wave analysis of intrinsic phenomena related to anisotropic poroelastic materials in multilayered systems. ISMA/USD, Leuven, 2016/9/19-21.
36. Carina Freitas, Jacques Cuenca, Paulo Morais, Agusmian Partogi Ompusunggu, Mathieu Sarrazin, Karl Janssens. Comparison of vibration and acoustic measurements for detection of bearing defects. ISMA/USD, Leuven, 2016/9/19-21.
35. Carina Freitas, Paulo Morais, Jacques Cuenca, Agusmian Partogi Ompusunggu, Mathieu Sarrazin, Karl Janssens. Condition monitoring of bearings under medium and low rotational speed. 8th European Workshop on Structural Health Monitoring, Bilbao, 2016/7/5-8.
34. Andrea Venanzoni, Laurent De Ryck, Jacques Cuenca. Eulerian Frequency Analysis of Structural Vibrations from High-Speed Video. 12th Intl Conference on Vibration Measurements by Laser and Noncontact Techniques, Ancona, 2016/6/28-7/1.
33. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca. Analyse d'ondes, puissances internes et comportement acoustique de matériaux poroélastiques dans des panneaux multicouches. Congrès Français d'Acoustique, Le Mans, 2016/4/11-15.
- 2015 32. Jacques Cuenca, Bart Peeters. Non-intrusive acoustic mode detection in turbofan and turboshaft engine intakes using an inverse method - application to aeroengine intakes. 6th European Conference for Aeronautics and Space Sciences (EUCASS), Kraków, 2015/6/29-7/3.
31. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca. Power analysis of anisotropic porous materials in multilayered structures based on a plane wave approach. Euronoise 2015, Maastricht, 2015/5/31-6/3.
30. Jacques Cuenca, Christophe Van der Kelen, Peter Göransson. Inverse estimation of the elastic and anelastic properties of anisotropic foams - study of the static/dynamic separation. Euronoise 2015, Maastricht, 2015/5/31-6/3.
29. Jacques Cuenca, Laurent De Ryck. In-situ sound absorption of ground surfaces: processing and characterization methods. Euronoise 2015, Maastricht, 2015/5/31-6/3.
28. Peter Göransson, Jacques Cuenca, Christophe Van der Kelen. Experimental-numerical methods for inverse characterisation of some material properties of anisotropic-anelastic porous materials. Noise and Vibration: Emerging Methods (NOVEM), Dubrovnik, 2015/4/13-15.
- 2014 27. Laurent De Ryck, Jacques Cuenca, Kevin Menino. Microphone array methods for in-situ measurement of road sound absorption - improving the ISO standard. Symposium on the acoustics of poro-elastic materials (SAPEM), Stockholm, 2014/12/16-18.
26. Jacques Cuenca, Laurent De Ryck, Kevin Menino. Inverse estimation of the properties of porous asphalt. Symposium on the acoustics of poro-elastic materials (SAPEM), Stockholm, 2014/12/16-18.
25. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca. Influence of the orientation of anisotropic porous materials within multilayered structures. Symposium on the acoustics of poro-elastic materials (SAPEM), Stockholm, 2014/12/16-18.
24. Jacques Cuenca, Christophe Van der Kelen, Peter Göransson. Inverse estimation of the elastic and anelastic properties of anisotropic porous materials and application to a melamine foam. Symposium on the acoustics of poro-elastic materials (SAPEM), Stockholm, 2014/12/16-18.
23. Juan Pablo Parra Martínez, Peter Göransson, Olivier Dazel, Jacques Cuenca. Frequency behaviour of anisotropic multilayered structures in view of their acoustic optimisation. ISMA/USD, Leuven, 2014/9/15-17.
22. Jacques Cuenca, Marcin Kurowski, Bart Peeters. Computing the uncertain vibrations of plates with spatially-extended random excitation using the image source method. ISMA/USD, Leuven, 2014/9/15-17.
21. Jacques Cuenca, Marcin Kurowski, Bart Peeters. Vibrations of plates with spatially-extended random excitation - application to turbulence-induced vibrations. 11th World Congress on Computational Mechanics (WCCM), Barcelona, 2014/7/20-25.
- 2013 20. Jacques Cuenca, Raphael Hallez, Bart Peeters. Angular and radial acoustic mode detection in large cylindrical ducts by sequential measurements using a single ring of microphones. 20th International Congress on Sound and Vibration, Bangkok, 2013/7/7-11.
19. Jacques Cuenca. Computing the vibrations of polygonal panels under distributed random excitation using the image source method. 5th European Conference for Aeronautics and Space Sciences (EUCASS), Munich, 2013/7/1-5.
- 2012 18. Hossep Achdjian, Emmanuel Moulin, Farouk Benmeddour, Jamal Assaad, Jacques Cuenca. Prediction of average propagation characteristics in polygonal reverberant plates for experimental feature extraction. IEEE International Ultrasonics Symposium, Dresden, 2012/10/7-10.
17. Jacques Cuenca, Brian R. Mace, Neil S. Ferguson. Computing the response of an assembly of uncertain beams using an image source approach. ISMA/USD, Leuven, 2012/9/17-19.
16. Adrien Pelat, Jacques Cuenca, François Gautier, Laurianne Barguet. Potentialities of the acoustic black hole effect for damping plate vibrations. Acoustics 2012, Nantes, 2012/4/23-27.
15. Jacques Cuenca, Adrien Pelat, François Gautier, Neil S. Ferguson. Improving the acoustic black hole effect for vibration damping in one-dimensional structures. Acoustics 2012, Nantes, 2012/4/23-27.

- 2011
14. Jacques Cuenca, Brian R. Mace, Neil S. Ferguson. High-frequency vibrations of uncertain coupled beams using an image source approach. *Noise and Vibration: Emerging Methods (NOVEM)*, Sorrento, 2012/4/1-4.
13. Jacques Cuenca, Peter Göransson. Inverse estimation of the elastic and anelastic properties of the porous frame of anisotropic open-cell foams. *Symposium on the acoustics of poro-elastic materials (SAPEM)*, Ferrara, 2011/12/14-16.
12. Jacques Cuenca, Adrien Pelat, François Gautier. Vibration damping in polygonal plates using the acoustic black hole effect: model based on the image source method. *20^e Congrès Français de Mécanique*, Besançon, 2011/8/29-9/2.
11. Jacques Cuenca. Vibraciones de placas poligonales y amortiguación de vibraciones por efecto de agujero negro acústico. *1ra Convención Diffusion Magazine*, Bogotá, 2011/8/25-27.
- 2010
10. Jacques Cuenca, François Gautier, Laurent Simon. Modeling the flexural vibrations of planar assemblies of polygonal plates using the image source method. *Internoise 2010*, Lisbon, 2010/6/13-16.
9. Vasil B. Georgiev, Jacques Cuenca, François Gautier, Laurent Simon. Vibration reduction of beams and plates using the acoustic black hole effect. *Internoise 2010*, Lisbon, 2010/6/13-16.
8. Jacques Cuenca, François Gautier, Laurent Simon. Modélisation des vibrations de flexion de plaques minces polygones par la méthode des sources image. *Congrès Français d'Acoustique*, Lyon, 2010/4/13-16.
7. Vasil B. Georgiev, Jacques Cuenca, Miguel A. Molerón Bermúdez, François Gautier, Laurent Simon. Recent progress in vibration reduction using the acoustic black hole effect. *Congrès Français d'Acoustique*, Lyon, 2010/4/13-16.
- 2009
6. Jacques Cuenca, François Gautier, Laurent Simon. Measurement of complex bending stiffness of a flat panel covered with a viscoelastic layer using the image source method. *Euronoise 2009*, Edinburgh, 2009/10/26-28.
5. Vasil B. Georgiev, Jacques Cuenca, Miguel A. Molerón Bermúdez, François Gautier, Laurent Simon, Victor V. Krylov. Numerical and experimental investigation of the acoustic black hole effect for vibration damping in beams and elliptical plates. *Euronoise 2009*, Edinburgh, 2009/10/26-28.
4. Jacques Cuenca, François Gautier, Laurent Simon. Modelling the vibrations of convex polygonal plates by the image source method. *Noise and Vibration: Emerging Methods (NOVEM)*, Oxford, 2009/4/5-8.
- 2008
3. Jacques Cuenca, François Gautier, Laurent Simon. Computing high frequency vibrations of simply supported polygonal plates by the Image Source Method. *Second Acoustical Society of America and European Acoustics Association joint conference (Acoustics'08)*, Paris, 2008/6/29-7/4.
2. François Gautier, Jacques Cuenca, Victor V. Krylov, Laurent Simon. Experimental investigation of the acoustic black hole effect for vibration damping in elliptical plates. *Second Acoustical Society of America and European Acoustics Association joint conference (Acoustics'08)*, Paris, 2008/6/29-7/4.
- 2007
1. Jacques Cuenca, René Caussé. Three-dimensional interaction between strings, bridge and soundboard in modern piano's treble range. *19th International Congress on Acoustics*, Madrid, 2007/9/2-7.

Invited seminars

- 2021/4/21 Low-frequency wave propagation through an audience (with E. Shabalina and J.P. Parra Martínez). MW Laboratory for Sound and Vibration Research, KTH Royal Institute of Technology, Stockholm, Sweden.
- 2021/3/17 Deterministic and statistical characterisation of poroelastic media from sound absorption measurements. MW Laboratory for Sound and Vibration Research, KTH Royal Institute of Technology, Stockholm, Sweden.
- 2019/12/12 Inverse methods for the characterisation of anisotropic porous media and coupled systems. LAUM, Le Mans University, Le Mans, France.
- 2019/11/12 Inverse methods for the characterisation of anisotropic porous media and coupled systems. Computational Physics and Inverse Problems research group, University of Eastern Finland, Kuopio, Finland.
- 2019/2/01 Inverse methods for the characterisation of anisotropic porous media and coupled systems. IEMN, Valenciennes, France.
- 2018/4/18 Acoustic characterisation of ground surfaces and duct components. Marcus Wallenberg Laboratory for Sound and Vibration Research, KTH Royal Institute of Technology, Stockholm, Sweden.
- 2014/10/02 Image-source model of the mid- and high-frequency vibrations of uncertain beams and polygonal plates. FEMTO-ST, Besançon, France.
- 2011/8/29 Vibrations of polygonal plates and acoustic black holes. Universidad de San Buenaventura, Medellín.