

CURRICULUM VITÆ

Octávio José Patrício Fernandes Inácio

Ph.D in Sound and Vibration (ISVR, UK)

MSc in Sound and Vibration Studies (ISVR, UK)

Mechanical Engineer (FEUP, Portugal)

Qualified as Specialist in Acoustical Engineering by the Portuguese Society of Engineers (OE)

Qualified as Specialist in Engineering by the Polytechnic Institute of Porto (IPP)

10 de October 2012

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CURRICULUM VITÆ

BIOGRAPHICAL DATA

Octávio José Patrício Fernandes Inácio, married, born in 26th of March, 1974, natural of Santo Ildefonso, Porto, Portugal, bearer of the Citizen Card n.º 10327549, valid until 26/03/2014.

AFFILIATIONS

Member of the Portuguese Society of Engineers, the Portuguese Acoustical Society and of the Acoustical Society of America.

PROFESSIONAL QUALIFICATION

Senior Member of the Ordem dos Engenheiros (Portuguese Society of Engineers) n.º 039542/10250, qualified as **Specialist in Acoustical Engineering**. Qualified as **Specialist in Engineering** by the Polytechnic Institute of Porto.

ACADEMICAL BACKGROUND

2009 **Ph.D in Sound & Vibration** by the Faculty of Engineering and Applied Science of the University of Southampton (England), in the Institute of Sound and Vibration Research (ISVR) in partnership with the Technological and Nuclear Institute of Sacavém, Portugal.

1998 **Master of Science in Sound and Vibration Studies** (Acoustics and Vibrations) by the Faculty of Engineering and Applied Science of the University of Southampton (England), in the Institute of Sound and Vibration Research (ISVR), with a scholarship of the Foundation for Science and Technology of the Portuguese Ministry of Science and Technology.

1992 to 1997 **Degree in Mechanical Engineering** (5 years course), by the Faculty of Engineering of the University of Oporto.

July of 1995 Conclusion of the 5th grade of the Classic Guitar course of the Superior Conservatory of Music of Vigo, Spain.

1990 to 1992 Course of Introduction to Arts, Design and Architecture in Escola Soares dos Reis, Oporto.

1984 to 1990 Preparatory and Secondary Cycle in the Colégio Luso-Francês, Oporto.

PROFISSIONAL ACTIVITY

Since February 2009	Head of the Musical Acoustics Laboratory (LAM) of the School of Music and Performing Arts of the Polytechnic Institute of Oporto.
From October 2008	Associate Professor of Room Acoustics and Musical Acoustics at the School of Music and Performing Arts of the Polytechnic Institute of Oporto.
Since September 2004	CEO of the company Inacoustics – Engenharia Acústica, Vibrações e Ambiente, Lda.
From 2004 to 2008	Lecturer of Room Acoustics at the the School of Music and Performing Arts of the Polytechnic Institute of Oporto.
From 2003 to 2009	Technical responsible of the Musical Acoustics Laboratory (LAM) of the School of Music and Performing Arts of the Polytechnic Institute of Oporto.
From 11/2000 to 07/2003	Lecturer of the subjects of Acoustics and Organology I, II, III and IV of the Degree in Production of Music Technology in the College of Music and Performing Arts (ESMAE) of the Oporto Polytechnic Institute.
1/1/1999 to 31/10/2000	Acoustics Consultant in the company <i>Absorsor Norte, Acoustical Engineering, Vibration and Environment, Lda.</i>
1992 to 1997	Teacher of classical guitar in the School of Music Maiorff located in Maia, district of Porto.

AWARDS

Award “Andrés Lara” para Jóvenes Investigadores (accesít) given by the Spanish Acoustical Society, during the 34st National Congress on Acoustics, Bilbao, October de 2003.

RECENT ACOUSTICAL PROJECTS

CONCERT HALLS, THEATRES AND AUDITORIA:

- CONVENTO DE S. FRANCISCO, COIMBRA – 1200 SEAT CONCERT HALL
- OPORTO MUSIC CONSERVATOIRE – CONCERT HALL

- CONGRESS, EXHIBITION AND FAIR CENTER, Oeiras
- CENTRO CULTURAL DE CONDEIXA, Condeixa - MULTIPURPOSE HALL
- CENTRO CULTURAL DE ÍLHAVO, Ílhavo – MULTIPURPOSE HALL
- CENTRO DE ARTES DE OVAR, Ovar. - MULTIPURPOSE HALL
- SALÃO CENTRAL EBORENSE, Évora – MULTIPURPOSE HALL
- CINE-TEATRO EDUARDO BRAZÃO, V. N. Gaia – THEATRE
- AUDITÓRIO ILÍDIO PINHO, Porto - AUDITORIUM
- BILBAO BISKAIKUTXA, PARANINFO DE LA UNIVERSIDAD DEL PAÍS VASCO, Bilbao, Spain – AUDITORIUM
- FUNDAÇÃO ROBINSON, Portalegre – AUDITORIA
- CASA DA MOAGEM – CENTRO CULTURAL DO FUNDÃO, Fundão – THEATRE
- HEADQUARTERS OF VODAFONE, Lisbon – AUDITORIUM

CHURCHES:

- IGREJA DE NOSSA SENHORA DOS NAVEGANTES, Lisbon
- IGREJA DOS POUÇOS, Leiria

MUSEUMS:

- FUNDAÇÃO NADIR AFONSO, Chaves
- OFICINA DE ARTES MANUEL CARGALEIRO, Seixal
- CENTRO DE INTERPRETAÇÃO URBANA DE CASCAIS

HOSPITALS:

- CENTRO DE DIAGNÓSTICO E TRATAMENTO DO NORTE, Porto
- HOSPITAIS PRIVADOS DE PORTUGAL, Lisbon
- HOSPITAIS PRIVADOS DE PORTUGAL, Porto

SCHOOLS

- MUSIC SCHOOL - ESCOLA DE MÚSICA DE VILAR DO PARAÍSO, V. N. Gaia.
- MUSIC SCHOOL - CONSERVATÓRIO DE MÚSICA DO PORTO, Porto.
- SECONDARY SCHOOL TETRAPI, Azores
- ESCOLA SUPERIOR DE TECNOLOGIAS DA SAÚDE, Vila Nova de Gaia

- SECONDARY SCHOOL S. MARTINHO, Madeira.
- SECONDARY SCHOOL GARCIA DE ORTA, Porto.
- SECONDARY SCHOOL D. PEDRO V, Lisbon.
- SECONDARY SCHOOL ROCHA PEIXOTO, Póvoa do Varzim.
- SECONDARY SCHOOL ANTÓNIO SÉRGIO, V. N. Gaia.
- SECONDARY SCHOOL CAROLINA MICHAELIS, Porto.
- SECONDARY SCHOOL GONÇALVES ZARCO, Matosinhos.
- SECONDARY SCHOOL AURÉLIA DE SOUSA, Porto.
- CAMPUS ESCOLAR DA SERRA DO PILAR, Vila Nova de Gaia.
- SECONDARY SCHOOL SOARES DOS REIS, Porto

DWELLINGS

- URBANIZAÇÃO QUINTA DE STA. TERESA, Coimbra
- EDIFÍCIO ARMAZÉM FRIGORÍFICO, Porto
- URBANIZAÇÃO QUINTAS DA NOGUEIRAS, Coimbra
- URBANIZAÇÃO QUINTA DA PORTELA, Coimbra

INDUSTRY:

- NOISE CONTROL – LACTOGAL, S.A.
- NOISE CONTROL – AMORIM & IRMÃOS, S.A. – CHAMPANHE
- NOISE CONTROL - CIARGA, ARGAMASSAS SECAS, S.A.
- NOISE CONTROL - PRONICOL – Produtos Lácteos, S.A., Azores
- NOISE CONTROL - BELFAMA, INDÚSTRIA TÊXTIL, Vizela.
- NOISE CONTROL - LIPOR III, Gondomar

COMMERCIAL BUILDINGS:

- RETAIL CENTER, Lisbon.
- EDIFÍCIO TRANSPARENTE, Porto
- EL CORTE INGLÉS, Vila Nova de Gaia

ACOUSTICS PROFESSIONAL TRAINING

- **“Short Course on Auralization”** organized during the congress Internoise 2010, lectured by Prof. Michael Vorländer and Prof. Peter Svensson;
- **“Short Course on Room Acoustics”** organized during the congress Internoise 2010, lectured by Dr. Eckhard Kahle;
- **“Short Course on Architectural Acoustics”** organized by the Institute of Sound and Vibration Research of the University of Southampton and by the Engineering Department of the University of Ferrara, 15th to 18th June 2004.
- Course **“Science et Musique: acoustique musicale, interaction entre sciences cognitives, physique et musique”**, organized by the Centre National de la Recherche Scientifique, Institut d’Études Scientifiques de Cargèse, 2004.
- Workshop **“Acoustic Measurements in Auditoria and Listening Rooms”**, organized by the National Physics Laboratory (UK) and the University of Surrey, July 2002.
- Participation on the congress **“Auditorium Acoustics 2002”**, Imperial College, London, with 18h vocational training, given by the Institute of Acoustics, July 2002.
- Course in **Architectural Acoustics** taken during the International Symposium Musical in Acoustics in Perugia, Italy (September of 2001), with Prof. Y. Ando.

SCIENTIFIC ACTIVITY

Author of several publications in the field of Acoustics and Vibrations, especially in Musical Acoustics and Architectural Acoustics.

Head of the Musical Acoustics Laboratory (LAM) of the School of Music and Performing Arts of the Polytechnic Institute of Oporto and research fellow in Applied Dynamics Laboratory of the Nuclear and Technology Institute in Sacavém, Portugal.

COURSES, SEMINARS AND LECTURES GIVEN

Novembro, 2011 **“O Laboratório de Acústica Musical na ESMAE-IPP – 15 anos de investigação científica”**, palestra convidada na Universidade Federal de Santa Catarina, Florianópolis, Brasil.

Abril, 2011 **“O Som e a Música – O outro lado do ruído”**, palestra realizada no âmbito do Dia Internacional de Sensibilização para o Ruído, organizado pela Sociedade Portuguesa de Acústica – Laboratório Nacional de Engenharia Civil, 27 de Abril 2011, Lisboa

- Outubro, 2010 “Música e Ruído – Duas faces da mesma moeda?”, palestra realizada no âmbito das 4^{as} Jornadas de Medicina e Artes do Espectáculo – Centro Cultural de Belém, 30 Outubro 2010, Lisboa.
- March, 2010 “4th Meeting of Acoustical Engineering – The Different Aspects of Acoustical Engineering and its Connections to Society”, Participation in the Building Acoustics Panel, organized by the Portuguese Institution of Engineers (Ordem dos Engenheiros), 12th March 2010, Lisboa.
- September, 2009 O. Inácio – Lecture “Physique et Instruments de Musique - Partie II”, in the colloquium “Variations Sur un Thème Méconnu: Science et Musique” organized by the French-Portuguese Institute, in 22 September 2009.
- September, 2008 O. Inácio – Lecture “String Instruments”, during the Seminar “The Physics of Musical Instruments”, in the Nuclear and Technological Institute of the Ministry of Science and Technology.
- June, 2007 O. Inácio – Seminar “Acoustical Quality of Auditoria - Modules M4 and T2” – organized by the Portuguese Acoustical Society in June 2007.
- July, 2006 O. Inácio, C. Sousa – “Acoustical Tests – Which Uncertainty?” – Lecture during the Workshop *Acoustics and Vibration Tests* organized by RELACRE – Association of Accredited Laboratories, July 2006, Lisbon, Portugal.
- March, 2006 “2nd Meeting on Acoustical Engineering – Responsibilities and Challenges”, Participation on the Building Acoustics Panel, organized by the Portuguese Engineers Organization, March 2006, Lisbon, Portugal.
- July, 2005 “Fundamentals of Room Acoustics” – Lecture given during the *International Advanced Course on Musical Acoustics (IACMA)* organized by the Department of Engineering of the University of Bolonha, Italy.
- May, 2003 - O. Inácio, L. Henrique, J. Antunes – “Nonlinear dynamics and playability of bowed instruments: from the bowed string to the bowed bar”, presented at the *Eleventh International Conference on Computational Methods and Experimental Measurements*, Halkidiki, Greece.
- March, 2003 - Inácio, O. – “Investigação sobre a Dinâmica de Instrumentos Musicais Friccionados usando um Método Modal Não-Linear”, invited seminar at the Faculty of Engineering of the University of Oporto (FEUP).
- February, 2003 - Inácio, O. – “The Dynamics of Bowed Musical Instruments”, invited seminar at the *Institute of Sound and Vibration Research (ISVR)*, University of Southampton, UK.
- Dezembro, 2002 Inácio, O., Antunes, J., Henrique, L., (2002), “Influence of torsion modes in bowed-string dynamics”, presented at the *First Pan-American/Iberian Meeting on Acoustics*, Cancun, México.
- April, 2002 - Inácio, O., "Largeur of Archet et la Régimes Dynamiques Corde Frottée". Invited communication on the 6th French Congress of Acoustics (6ème CFA), Lille.

- July, 2001 - Inácio, O., Henrique, L., Antunes, J. (2001). Dynamical Analysis of Bowed Bars.. Communication presented in 8th International Congress on Sound and Vibration (ICSV8), Hong Kong.
- June, 2001 - "Acoustics and the HVAC Industry" - Lecturer of the course promoted by the company Multiventilação directed to HVAC engineers.
- October of 2000 - "Environmental Quality - Noise" - Lecturer of the course given in the extent of the disciplines of Environmental Quality of the Technological School of Vale de Cambra.
- February of 2000 - "Virtual Acoustics" - Seminar given for the course of Production and Music Technology of the College of Music and Performing Arts (ESMAE) of the Oporto Polytechnic Institute.
- June of 1999 - "Study of the acoustic effect of the holes in a wind instrument" - Seminar given for the course of Production and Music Technology of the College of Music and Performing Arts (ESMAE) of the Oporto Polytechnic Institute.

PUBLICATIONS IN BOOKS, PEER-REVIEWED JOURNALS AND THESIS

- INÁCIO, Octávio, ANTUNES, José, (2011), "Linear stability and nonlinear dynamics of bowed bars", submitted to the Journal of Sound and Vibration.
- INÁCIO, Octávio (2010), "The Portuguese Guitar", chapter in *The Science of String Instruments*, edited by Prof. Thomas Rossing, 1st Edition, Springer.
- INÁCIO, Octávio - "A Modal Method for the Simulation of Nonlinear Dynamical Systems with Application to Bowed Musical Instruments" - PhD thesis - University of Southampton, Faculty of Engineering and Applied Science, Institute of Sound and Vibration Research (ISVR), 2009.
- INÁCIO, Octávio, ANTUNES, José, WRIGHT, Matthew (2008), "Computational modelling of string-body interaction for the violin family and simulation of wolf notes", Journal of Sound and Vibration, Vol. 310/1-2 pp 260-286.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2007), "Design of duct cross sectional areas in bass-trapping resonators for control rooms", Noise Control Engineering Journal, 55(2), March-April issue, INCE-USA.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2006), "The Dynamics of Tibetan Singing Bowls", Acta Acústica 92, n.º 4, pp. 637-653, Hirzel-Verlag.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2004), "The Physics of Tibetan Singing Bowls", Revista de Acústica, Vol. 35. N. 1 & 2, pp. 33-39, Sociedad Española de Acústica.

INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2003), "Simulation of the Oscillation Regimes of Bowed Bars: A Nonlinear Modal Approach", Communications in Nonlinear Science and Numerical Simulation 8, pp. 77-95, Elsevier.

INÁCIO, Octávio (1998) - "Investigations of the hole-change behaviour of an electroacoustic wind instrument" - MSc dissertation - University of Southampton, Faculty of Engineering and Applied Science, Institute of Sound and Vibration Research (ISVR), December 1998.

PUBLICATIONS IN CONFERENCE PROCEEDINGS

DEBUT, Vincent, ANTUNES José, INÁCIO, Octávio, "What can we learn about the wolf phenomenon from a linearized analysis?", Proceedings of the 19th International Congress on Sound and Vibration (ICSV19), 8 -12 July 2012, Vilnius, Lithuania.

MARQUES, Miguel, INÁCIO, Octávio, DEBUT, Vincent, ANTUNES José, "On the Dynamical Behaviour of Worn Guitar Strings", Proceedings of the congress Acoustics 2012, 23-27 April 2012, Nantes, França.

INÁCIO, Octávio, "A Acústica do Grande Auditório do Conservatório de Música do Porto", Palestra ministrada no XIII Encontro da Associação Portuguesa de Engenharia de Áudio, 7 de Outubro de 2011.

INÁCIO, Octávio, "O Laboratório de Acústica Musical – 15 anos de investigação científica", Keynote apresentada no XIII Encontro da Associação Portuguesa de Engenharia de Áudio, 7 de Outubro de 2011.

ALMEIDA, Gustavo, INÁCIO, Octávio e BARBOSA, Álvaro, "Sistema Electroacústico para Auralização Interactiva com Músicos: Resultados Preliminares", Comunicação no XIII Encontro da Associação Portuguesa de Engenharia de Áudio, 7 de Outubro de 2011.

PRATA, José, INÁCIO, Octávio e CONCEIÇÃO, Marco, "A captação Duplo MS: variante Casa da Música", Palestra ministrada no XIII Encontro da Associação Portuguesa de Engenharia de Áudio, 7 de Outubro de 2011.

DEBUT, Vincent, ANTUNES José, INÁCIO, Octávio, "A Linearized Modal Approach for Predicting Wolf Notes", Proceedings of the 18th International Congress on Sound and Vibration, ICSV18, 10-14 Julho 2011, Rio de Janeiro, Brasil.

DEBUT, Vincent, INÁCIO, Octávio, DUMAS, Thibaut, ANTUNES José, "Modelling and Experiments on String/Body Coupling and the Effectiveness of a Cello Wolf-Killing

Device”, Proceedings of the International Symposium on Music Acoustics, ISMA2010, 25-31 August 2010, Sydney and Katoomba, Australia.

Inácio, Octávio, “The Refurbishment of The Portuguese Public Secondary School Network: An Acoustical Perspective”, INTERNOISE 2010, 13-16 Junho, Lisboa, Portugal.

RAIMUNDO, Isaac, Freitas, Elisabete; Inácio, Octávio, PEREIRA, P., “Sound Absorption Coefficient of Wet Gap Graded Asphalt Mixtures”, INTERNOISE 2010, 13-16 Junho, Lisboa, Portugal.

RAIMUNDO, Isaac, Freitas, Elisabete; Inácio, Octávio, PEREIRA, P., “In Situ Assessment of The Normal Incidence Sound Absorption Coefficient of Asphalt Mixtures With a New Impedance Tube”, INTERNOISE 2010, 13-16 Junho, Lisboa, Portugal.

FREITAS, Elisabete; INÁCIO, Octávio, “Noise Absorption of Gap Graded Mixtures with Rubberized Asphalt”, EURONOISE 2009, 26-28 Outubro, Edimburgo, Escócia.

FONSECA, Ricardo; INÁCIO, Octávio; FREITAS, Elisabete; BRAGANÇA, Luís, “Determinação do Desempenho Acústico de Dispositivos de Redução de Ruído do Tráfego Rodoviário”, Acústica 2008, 20-22 Outubro, Coimbra.

SANTIAGO, Francisco, INÁCIO, Octávio, (2008), “An Acoustical Overview on Portuguese Concert Halls”, Acústica 2008, 20-22 Outubro, Coimbra.

INÁCIO, Octávio, ANTUNES, José, “Shape-optimization of several multi-modal resonators accounting for room/resonator acoustical coupling”, Acoustics 2008, Paris.

ANTUNES, José, INÁCIO, Octávio, “A Substructure Method for the Computation of Complex String/Body Coupled Modes from the Unconstrained Subsystems”, ICA 2007, Madrid.

INÁCIO, Octávio, ANTUNES, José, “A Linearized Modal Analysis of the Bowed String”, ICA 2007, Madrid.

ANTUNES, José, INÁCIO, Octávio, “A Theoretical Analysis of Multi-Modal Bass-Trapping Resonators Coupled to Control-Room Acoustics”, ISRA 2007, Sevilla.

SANTIAGO, Francisco, INÁCIO, Octávio, (2007), “Acoustical Characteristics of 33 Theatres and Concert Halls in Portugal”, ISRA 2007, Sevilla.

ANTUNES, José, INÁCIO, Octávio, HENRIQUE, Luís (2007), “Overview of Nonlinear Effects in Impact and Friction-Excited Musical Instruments”, *EUROMECH Colloquium 483: Geometrically Non-linear Vibrations of Structures*, 9 – 11 July 2007, FEUP, Porto, Portugal

INÁCIO, Octávio, ANTUNES, José, (2006), “Linearized and Nonlinear Dynamics of Bowed Bars”, Comunicação apresentada no *4th Fourth Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan*, 28 de Novembro a 2 de Dezembro 2006, Honolulu, EUA.

INÁCIO, Octávio, ANTUNES, José, (2006), “A Linearized Analysis of Friction-Excited Musical Bars”, Proceedings do *8 Congrès CFA 2006*, 24-27 Abril 2006, Tours, França.

- INÁCIO, Octávio, ANTUNES, José, (2005), “Simulation Methods for the Nonlinear String/Body Coupled Dynamics of Bowed Musical Instruments: A Comparative Analysis”, Proceedings of the *Forum Acusticum 2005*, 29 Agosto - 2 Setembro 2005, Budapeste, Hungria.
- HENRIQUE, Luís, INÁCIO, Octávio, PAULINO, José, ANTUNES, José (2005), “Optimization of Vibratory and Acoustical Components of Percussion Instruments: Theoretical and Experimental Results”, Proceedings of the *Forum Acusticum 2005*, 29 Agosto - 2 Setembro 2005, Budapeste, Hungria.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2005), “Optimized Bass-Trapping Resonators for Control Rooms: A Preliminary Study”, Proceedings of the *Internoise 2005*, 7-10 Agosto 2005, Rio de Janeiro, Brasil.
- INÁCIO, Octávio, ANTUNES, José, (2005), “Dynamical Regimes of Bowed-String Instruments With Body-Coupling”, Proceedings of the *Twelfth International Congress on Sound and Vibration*, 11-14 Julho 2005, Lisboa, Portugal.
- HENRIQUE, Luís, ANTUNES, José, INÁCIO, Octávio, PAULINO, José (2005), “Application of Optimization Techniques for Acoustical Resonators”, Proceedings of the *Twelfth International Congress on Sound and Vibration*, 11-14 Julho 2005, Lisboa, Portugal.
- INÁCIO, Octávio, ANTUNES, José, (2004), “Modelling the Nonlinear String/Body Coupled Dynamics of Bowed Musical Instruments”, Comunicação apresentada no *148th Meeting of the Acoustical Society of America*, 15-19 Novembro 2004, San Diego, EUA.
- INÁCIO, Octávio, ANTUNES, José, WRIGHT, Matthew (2004), “Bowing the Wolf: Simulations and Experiments on a Cello”, Proceedings of the *IV Iberoamerican Acoustics Congress*, 13th-17th September 2004, Guimarães, Portugal.
- INÁCIO, Octávio, SANTIAGO, Francisco, CABRAL, Pedro. C. (2004), “The Portuguese Guitar Acoustics: Part 1 – Vibroacoustic Measurements”, Proceedings of the *IV Iberoamerican Acoustics Congress*, 13th-17th September 2004, Guimarães, Portugal.
- SANTIAGO, Francisco, INÁCIO, Octávio, CABRAL, Pedro. C. (2004), “The Portuguese Guitar Acoustics: Part 2 – Subjective Acoustical Quality Evaluation”, Proceedings of the *IV Iberoamerican Acoustics Congress*, 13th-17th September 2004, Guimarães, Portugal.
- INÁCIO, Octávio (2004), “Os Cadernos de Encargos e a Fiscalização na Especialidade de Acústica: Aplicação à Concepção e Construção de Salas de Espectáculo”, Proceedings of the *IV Iberoamerican Acoustics Congress*, 13th-17th September 2004, Guimarães, Portugal.
- ANTUNES, José, INÁCIO, Octávio, (2004), “Physical modeling of Tibetan bowls”, Comunicação apresentada no *147th Meeting of the Acoustical Society of America*, 24-28 May 2004, New York, EUA.
- INÁCIO, Octávio, ANTUNES, José, (2004), “Dynamical Responses of a Large Tibetan Singing Bowl”, Proceedings of the *International Symposium on Musical Acoustics*, March 31st to April 3rd 2004 (ISMA2004), Nara, Japan.
- INÁCIO, Octávio, ANTUNES, José, WRIGHT, Matthew (2004), “On the Violin Family String/Body Dynamical Coupling”, Proceedings of the *Spring Conference of the Institute of Acoustics*, Southampton, Inglaterra.

- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2003), "The Physics of Tibetan Singing Bowls. Part 1: Theoretical Model", Publicação oficial do *34º Congresso Nacional de Acústica e EEA symposium*, em Bilbao, Espanha.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2003), "The Physics of Tibetan Singing Bowls. Part 2: Numerical Simulations", Publicação oficial do *34º Congresso Nacional de Acústica e EEA symposium*, em Bilbao, Espanha.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José, (2003), "Nonlinear dynamics and playability of bowed instruments: from the bowed string to the bowed bar", *Proceedings of the Eleventh International Conference on Computational Methods and Experimental Measurements (CMEM 2003)*, Halkidiki, Grécia.
- INÁCIO, Octávio, ANTUNES, José, HENRIQUE, Luís, (2002), "Influence of torsion modes in bowed-string dynamics", Comunicação apresentada no *First Pan-American/Iberian Meeting on Acoustics*, Cancun, México.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José (2002), "Simulation of the Oscillation Regimes of Bowed Bars: A Nonlinear Modal Approach", *Proceedings of the 2002 Asme International Mechanical Engineering Congress & Exposition (IMECE'02)*, New Orleans, EUA.
- INACIO, Octávio, (2002) "Largeur d'Archet et Régimes Dynamiques de la Corde Frottée", *Actes du 6ème Congrès Français d'Acoustique (6ème CFA)*, Lille, França.
- ANTUNES, José, HENRIQUE, Luís, INÁCIO, Octávio (2001), "Aspects of Bowed-String Dynamics", *Proceedings of the 17th International Congress on Acoustics, (ICA 2001)*, Roma, Itália.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José (2001), "Dynamical Analysis of Bowed Bars", *Proceedings of the 8th International Congress on Sound and Vibration*, Hong Kong.
- INÁCIO, Octávio, HENRIQUE, Luís, ANTUNES, José (2001), "Influence des Modes de Torsion Sur les Régimes Dynamiques des Cordes Frottées", *Journée: Instruments à Cordes: Entre Facture, Acoustique et Musique*, Société Française d'Acoustique, Groupe Spécialisé d'Acoustique Musicale, Lisboa, Universidade Nova de Lisboa.

LANGUAGES

English - Fluent at conversation level as well as reading and writing - Classification in the IELTS exam (International English Language Testing System): 8 values in 9 - and with extensive knowledge of technical terms.

French - Fluent in conversation, reading and writing.

Spanish - Fluent in the conversation, reading and writing and with knowledge of technical terms.