

## CURRICULUM VITAE



# MIGUEL AUSEJO PRIETO

### • PERSONAL PROFILE

- **Name:** Miguel Ausejo Prieto.
- **Born:** 10/04/1978 in Madrid, Spain.
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- **E-mail:** [mausejo@i2a2.upm.es](mailto:mausejo@i2a2.upm.es); [miguelsejo@gmail.com](mailto:miguelsejo@gmail.com)

### • EDUCATION

- 2004-2009: **European Ph.D on Acoustics Engineering** by *Polytechnic University of Madrid. European Doctorate in Sound and Vibration Studies (Confederation of European Union Rectors' Conference). Ph.D Thesis: Study of Validation, Errors and Uncertainty in Noise Mapping*, obtaining the highest qualification.
- 2006: *DEA (Advanced Studies Diploma - Researcher Diploma)* on Acoustics Engineering.
- 2002-2004: **Electronic Engineer Master Degree, speciality in sound and image** by *La Salle (Universitat Ramon Llull)*, Barcelona.
- 1996-1999: **Telecommunication Engineer Bachelor Degree, speciality in sound and image** by *Universidad Alfonso X el Sabio*, Madrid.

### • WORK EXPERIENCE

- 2005-Nowadays: Researching at the *Instrumentation and Applied Acoustics Research Group* (Polytechnic University of Madrid, Spain), which has recently joined to the Spanish National Research Council (CSIC) to form a mixed Research Centre called CAEND. Researcher on environmental noise. Assistant teacher on the next subjects: Environmental Acoustics, Acoustic Isolation. Acoustics technical and research projects.
- 2006-2007: Researching at *Università degli Studi di Ferrara*, Dipartimento di Ingegneria (Ferrara, Italy). Acoustics technical and research projects.
- 2004: Teaching at *ITES -Technical Institute* (Barcelona, Spain). Lecturer on the next subjects: Sound postproduction, Video editing and Radio.
- 2002-2004: Researching at *CeDA - Acoustics Development Centre* at *La Salle -Universitat Ramon Llull* (Barcelona, Spain) in Environmental Acoustics and Building Acoustics areas. Acoustics technical and research projects.
- 2000-2002: Teaching at *Universidad Alfonso X el Sabio* (Madrid, Spain). Lecturer on the next subjects: Audio and Sound Laboratory, Television, Audiofrequency Systems, Image Laboratory.

## • JOURNAL PUBLICATIONS

- Asensio, C.; Ausejo, M.; Jambrosic, K.; Kang, J. Moschioni, G.; Pagan, R.; Pavón, I.; Recuero, M.; Romeu, J.; Ruiz, M.; Trujillo, J.; Vigano, V. *Aircraft noise-monitoring according to ISO 20906. Evaluation of uncertainty derived from the human factors affecting event detection*. Applied Acoustics (2011), accepted.
- Ausejo, M; Recuero, M. Asensio, C; Pavón, I. *Reduction in calculated uncertainty of a noise map by improving the traffic model data through two phases*. Acta Acustica United with Acustica, Vol 97. No. 5, September/October 2011, in press.
- Tabacchi, M.; Pavón, I.; Ausejo, M; Asensio, C. *Assessment of noise exposure during commuting in the Madrid subway*. J. of Occupational and Environmental Hygiene. (2011), in press.
- Ausejo, M.; Recuero, M.; Asensio, C.; Pavón, I. *Mejora de los datos de entrada en la realización de un mapa de ruido y sus efectos en la incertidumbre*. Revista de Acústica, Vol. 42, N. 1 y 2, pp 17-23, 2011.
- C. Asensio, M. Recuero, M. Ruiz, M. Ausejo, I. Pavón. *Self-adaptive grids for noise mapping refinement*. Applied Acoustics 72 (2011) 599–610.
- Ausejo, M; Tabacchi, M.; Recuero, M.; Asensio, C.; Pagán, R.; Pavón, I. *Design of a Noise Action Plan based on a Strategic Noise Map*. Acta Acustica United with Acustica, Vol. 97 (2011), 492-502.
- C. Asensio; M. Ruiz; I. Pavón; M. Ausejo; M. Recuero. *Uncertainty in noise maps isolines: the effect of the sampling grid*. Acta Acustica united with Acustica, Vol. 97 (2011) 237 – 242.
- Ausejo, M.; Recuero, M.; Asensio, C.; Pavón, I.; López, J.M. *Study of precision, deviations and uncertainty in the design of a Strategic Noise Map. Case study: Macrocenter of the City of Buenos Aires, Argentina*. Environmental Modeling and Assessment (2010), Vol. 15:125-135.
- C. Asensio, J.M. López, R. Pagán, I. Pavón, M. Ausejo. *GPS-based speed collection method for road traffic noise*. Transportation Research Part D: Transport and Environment, 14 (2009) 360-366.

## • CONGRESS PUBLICATIONS

- Ausejo, M. *Quines accions pot contenir un Pla d'acció de Soroll? Dels mapes de capacitat acústica als Plans d'acció*. Barcelona (Spain), May 2011.
- Ausejo, M. *Planes de Acción contra el Ruido*. CONAMA 2010. Madrid (Spain), November 2010.
- Asensio, C.; Recuero, M.; Ruiz, M.; Ausejo, M.; Pavón, I. *Self-adaptive grids for noise mapping*. ISMA 2010, Leuven (Belgium), September 2010.
- Ausejo, M.; Recuero, M.; Asensio, C.; Pavón, I. *Improvement of the Quality of Input Data and its Effect in the Uncertainty of a Noise Map*. EUROREGIO 2010, Acta Acustica united with Acustica Vol. 96. S1, 2010. Ljubjana (Slovenia), September 2010.
- Recuero, M.; Ausejo, M.; Pavón, I.; Asensio, C. *Tourist Influence on Nightlife Noise*. INTERNOISE 2010, Lisboa (Portugal), June 2010.
- Asensio, C.; Recuero, M.; Ruiz, M.; Ausejo, M.; Pavón, I. *Spatial Interpolation contribution to noise maps uncertainty*. INTERNOISE 2010, Lisboa (Portugal), June 2010.
- Ausejo, M.; Recuero, M.; Asensio, C.; Pavón, I.; Pagán, R. *Study of Uncertainty in Noise Mapping*. INTERNOISE 2010, Lisboa (Portugal), June 2010.
- M. Ausejo, M. Recuero, M.C. Morillo. *Subjective Noise Web-Based Surveys*. EURONOISE 2009, Acta Acustica united with Acustica Vol. 95. S1, 2009. Edinburgh (Scotland), October 2009.
- M. Ausejo, M. Recuero, M.C. Morillo. *Research on subjective noise in Pozuelo de Alarcón, Spain*. ICSV 16. The Sixteenth International Congress on Sound and Vibration, Krakow (Poland), July 2009.

- Sánchez Domínguez, M. Ausejo Prieto, M. Recuero López, P. Acevedo Contla. *Acoustic problems in hospitals as causes of health issues and possible solutions*. Health Care Exchanges, 2009. PAHCE 2009. Pan American. Ciudad de México (México), March 2009.
- Ausejo, Miguel; Recuero, Manuel; Fausti, Patrizio; Cremonini, Renzo. *Railways noise barriers: Measurements and simulations*. Marie Curie Conference, ESOF 2008. Barcelona (Spain), July 2008.
- Ausejo, Miguel; Recuero, Manuel; Fausti, Patrizio; Quiqueto Giuliano. *Italian railway noise description: comparison between measurements and simulations*. Invited Paper. 19<sup>th</sup> International Congress on Acoustics. Madrid (Spain), September 2007.
- Patrizio Fausti, Giuliano Quiqueto, Miguel Ausejo, Manuel Recuero. *Confronto tra standard Europei di previsione del rumore da traffico ferroviario: applicazione alla realtà Italiana*. 34th Italian Congress on Acoustics (Assoziacione Italiana di Acustica). Florence (Italy), June 2007.
- Ausejo, M; Recuero, M; Fausti, P; Quiqueto G. Comparison between several railway noise prediction models and measurements. Case study: Italian trains. 33rd German Annual Conference on Acoustics. DAGA 2007. Stuttgart (Germany), March 2007.
- Ausejo Prieto, M; Recuero López, M. *Subjective study of the noise in several schools in the Autonomous City of Buenos Aires*. 33<sup>rd</sup> International Acoustic Conference. EAA Symposium. Strbske Pleso (Slovakia), October 2006.
- Ausejo Prieto, M; Recuero López, M. *Subjective study of the noise in several hospitals in the Autonomous City of Buenos Aires*. 13<sup>th</sup> International Congress on Sound and Vibration (13ICSV). Vienna (Austria), July 2006.
- Ausejo Prieto, M. Recuero López, M. *Study and proposal of the prediction equation for traffic noise during workable days in Buenos Aires downtown*. 8<sup>th</sup> International Symposium TRANSPORT NOISE AND VIBRATION. St. Petersburg (Russia) June 2006.
- Ausejo Prieto, M.; Arnet Vilaseca, I. *Comparativa de ruido en la cabina de dos aviones de carga*. 36<sup>o</sup> Congreso Nacional de Acústica (TECNIACUSTICA 05), Encuentro Ibérico de Acústica y EAA Symposium. Terrassa (Spain), October 2005.

## • COURSES

- **Teaching and social-learning**. Universidad Complutense de Madrid, April 2011.
- **Soundscape and Numerical Acoustics**. EAA Summer School Completion Certificate. Ljubjana, Slovenia, September 2010.
- **CADNA** course. ÁLAVA Ingenieros, Madrid, May 2008.
- **Technical Project Management** (15 hours). *Universidad Carlos III de Madrid, Fundación Madrl+D*. Madrid, December 2008.
- **Room Acoustics** (40 hours) at Facoltà di Ingegneria – Polo Scientifico Tecnologico, Ferrara, Italy, March-April 2008.
- **Acoustic Absorption** (16 hours) at Facoltà di Ingegneria – Polo Scientifico Tecnologico, Ferrara, Italy, June 2007.
- **Expert on Environmental Acoustics**. *Scuola di Acustica. Università di Ferrara*, Italy 2007.
- **The Future of Computational Acoustics**. Isaac Newton Institute/EPSCRC Noise Futures Network Event. Arup Acoustics, London, February 2007.
- **LIMA 7812** -Noise mapping software (15 hours). Nærum (Denmark) by Brüel & Kjær, October (2005).
- **Specialist in Environmental Acoustics** (200 hours) at *INSIA, Universidad Politécnica de Madrid* (2002).
- **Mobile Communication: GSM, GPRS and UMTS** (40 hours), *Universidad de Alcalá de Henares*, Madrid (2001).
- **Teaching Skills** (20 hours). *Fundel (Fundación Europea de Educación y Libertad)*, Madrid, July 2000.

## • FELLOWSHIPS

- 2007: **INSIA, Universidad Politécnica de Madrid**. Research fellowship on Environmental Acoustics. NP 040525B025.
- 2006-2007: **Marie Curie Fellowship**, Early Stage Research Training. *European Doctorate in Sound and Vibration Studies*. **Università degli Studi di Ferrara**. Dipartimento di Ingegneria (Ferrara, Italy).
- 2006: **INSIA, Universidad Politécnica de Madrid**. Research fellowship on Palma de Mallorca Noise Mapping. NP 060525B080.
- 2005: **INSIA, Universidad Politécnica de Madrid**. Research fellowship on Environmental Acoustics. NP 040525B025.
- 1998: **VITELSA Madrid**. Fellowship on Audiovisual Systems Engineering at Broadcast Department.

## • LANGUAGES

Language	Comprehension		Speaking	Writing
	Listening	Reading		
<b>Spanish</b>	Mother Language			
<b>English</b>	C1	C1	C1	C1
<b>Italian</b>	B2	B2	B2	B1
<b>French</b>	A2	A2	A1	A1

- **Italian Language Certificate:** Certificazione di Italiano come Lingua Straniera (CILS) Livello B1 (85/100). Università per Stranieri di Siena.

## • OTHER SCIENTIFIC MERITS

- EAA Best Paper and Presentation Award 2010 for an excellent presentation at EAA EUROREGIO 2010.
- Technical collaborator and secretary of the Working Group: “*Planes locales de acción contra el ruido*” (Local Action Plans against noise) CONAMA10, Spain.
- EAA Young Researcher Grant 2009 for excellent contribution to Acoustics in the field of Noise Control Engineering.
- Reviewer of “Applied Acoustics” (Elsevier), indexed in JCR.
- Reviewer of “Acta Acustica United with Acustica” (European Acoustics Association), indexed in JCR.
- Reviewer of “Revista Ingenierías Universidad de Medellín”, indexed in PUBLINDEX, LATINDEX, REDALYC and EBSCO.
- Reviewer of the International Journal of Acoustics and Vibration (IJAV).
- EC Marie Curie Grant winner (2006-2007/2008), Early Stage Research Training.

## • AREAS OF INTEREST

Although I have worked in other fields of acoustics as Building Acoustics, Room Acoustics and Underwater Acoustics, my current interests are related to Environmental Acoustics, especially in noise mapping, acoustical simulations and socio-acoustics surveys.