PERSONAL INFORMATION

JUAN MIGUEL NAVARRO

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PERSONAL STATEMENT

Juan M. Navarro received the telecommunications engineer degree, the M.S. degree in telecommunication technologies, from the Universidad Politécnica de Cartagena, Murcia, in 2006 and 2008, respectively and the Ph.D. degree in telecommunications from the Universitat Politècnica de València, Valencia, Spain, in 2012. Since 2006, he has been an Assistant Professor at the Polytechnic Science Department, Universidad Catolica San Antonio de Murcia. In 2009 he was a visiting researcher at Acoustic Technology, Technical University of Denmark, and in 2012 at the Department of Media Technology, Aalto University of Finland. His research is focused on signal processing algorithms, where he has published more than 30 technical papers in international journals and conferences. His interests include Internet of Things and Smart Cities. He is the principal researcher of the Advanced Telecommunication Research Group (GRITA) of UCAM.

WORK EXPERIENCE

| 21/09/1998–30/09/2002 | **Telecommunications engineer** |
| | INGENIERIA DE SISTEMAS APLICADOS S.L., Murcia (Spain) |

| 12/09/2003–31/08/2004 | **Higher education teaching professional** |
| | CONSEJERIA DE EDUCACION, FORMACION Y EMPLEO DE LA REGION DE MURCIA |

| 01/08/2004–30/11/2006 | **Telecommunications engineer** |
| | Freelance, Murcia (Spain) |

| 01/09/1998–Present | **Higher education teaching professional** |
| | Universidad Católica San Antonio (UCAM), Murcia (Spain) |

EDUCATION AND TRAINING

| 01/09/1994–06/05/1997 | **Ingeniero Técnico de Telecomunicación** | EQF level 5 |
| | Universidad Politécnica de Valencia, Gandia (Spain) | |

| 01/09/2001–31/01/2006 | **Ingeniero de Telecomunicación. Bachelor Degree** | EQF level 6 |
| | Universidad Politécnica de Cartagena, Cartagena (Spain) | |

| 01/09/2006–15/10/2008 | **Master Universitarío en tecnologías de la información y las comunicaciones** | EQF level 7 |
| | Universidad politécnica de Cartagena, Cartagena (Spain) | |

| 01/09/2008–31/01/2012 | Doctorado en Telecomunicación. PhD. Telecommunication | EQF level 8 |

Universidad Politécnica de Valencia, Valencia (Spain)

PERSONAL SKILLS

Mother tongue(s)   Spanish

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

English

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills
- Good communication skills gained through my experience as professor and researcher.
- Specific training to improve communication skills under the UCAM university programme.
- Experience and knowledge obtained as presenter in a wide range of events and conferences.

Organisational / managerial skills
- Leadership skills, currently responsible for a team of 10 people in the research group.
- Negotiation skills gained through my experience as project manager in several companies.

Job-related skills
- High level of creativity, working for innovative solutions in engineering for future development.
- Knowledge in H2020 programme and projects, working in collaboration with European project office in UCAM.

ADDITIONAL INFORMATION

Publications   Five last relevant publications:

- Jaume Segura Garcia; Santiago Felici Castell; J. Perez Solano; Maximo Cobos; Juan Miguel Navarro Ruiz. Low-Cost Alternatives for Urban Noise Nuisance Monitoring using Wireless Sensor Networks. Sensors Journal. 99, pp. 1 - 9. IEEE, 2014. ISSN 1530-437X

- Maximo Cobos; J.J. Perez Solano; Santiago Felici Castell; Jaume Segura; Juan Miguel Navarro Ruiz. Cumulative-Sum-Based Localization of Sound Events in Low-Cost Wireless Acoustic Sensor Networks. IEEE Transactions on Audio, Speech, and Language Processing. 22, pp. 1792 - 1802. IEEE, 2014. ISSN 2329-9290

- Juan Miguel Navarro Ruiz; Jose Escolano; Maximo Cobos; Jose Javier Lopez. Influence of the scattering and absorption coefficients on homogeneous room simulations that use a diffusion equation model. The Journal of the Acoustical Society of America. 133, pp. 1218 - 1221. ACOUSTICAL SOC AMER AMER INST PHYSICS, 2013. ISSN 0001-4966

- Juan Miguel Navarro Ruiz; Escolano Jose. Simulation of building indoor acoustics using an acoustic diffusion equation model. Journal of Building Performance Simulation. 7, pp. 1 - 15. Taylor & Francis, 2013. ISSN 1940-1493

- Maximo Cobos; Jose J. Lopez; Juan Miguel Navarro Ruiz; German Ramos. Subjective quality assessment of multichannel audio accompanied with video in representative broadcasting genres. Multimedia Systems. 19, pp. 1 - 17. Springer Berlin Heidelberg, 2013. ISSN 0942-4962

Projects   Last relevant projects:

- Exchange and Training in Renewable Energy Sector II – ExTraRES_II - Erasmus +

- Procesado de sonido para la interacción hombre-máquina: Análisis, simulación y síntesis. Ministerio de Economía y Competitividad. TEC2012-37945-C02-01

- Procesado de Sonido para Entornos Emergentes de Comunicación. Ministerio de Ciencia e Innovación. TEC2009-14414-C03-01

- Monitorización y Evaluación de la molestia del ruido de tráfico sobre los ciudadanos mediante redes de sensores inalámbricos. Regional.

- Torre Pacheco Cultural y Smart City. Regional.

- Aplicación de la Internet de las Cosas en las Ciudades Inteligentes. Regional.

Conferences   Five last relevant contribution to international conferences:

- Some comments about graphic processing unit (GPU) architectures applied to finite-difference time-domain (FDTD) room acoustics simulation: Present and future trends. International Congress on Acoustics 2013.

- Estimation of absorption coefficients values of surface materials using a diffusion equation model. International Congress on Acoustics 2013.

- A Comparative Evaluation between Numerical Techniques for Implementing the Acoustic Diffusion Equation Model. Audio Engineering Society Convention 132.

- Some preliminary comparisons between the diffusion equation model and room- acoustic rendering equation in complex scenarios. Audio Engineering Society Convention 130.

- On the air absorption effects in a finite difference implementation of the acoustic diffusion equation model. Audio Engineering Society Convention 128.