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SOLICITUD DE AYUDAS A LOS DEPARTAMENTOS PARA CONFERENCIAS CIENTÍFICAS

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Datos del solicitante (El Director del Dpto.):

Dpto.:	DNI:	Apellidos:
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tro: E.T.S.I.T	PARTAMENTO	Nombre: FRANCISCO JAI
		co Javier
	Dpto: INGENIERIA DE COMUNICACIONES Centro: E.T.S.IT	1 1

Propuesta de conferenciantes (*):

Título de la conferencia:	Ciudad:	NIF/Pasaporte: C7ZJYVJ43	Apellidos:
cia:SPHERICAL ARRAY IN ROOM ACOUSTICS	AACHEN	C7ZJYVJ43	VORLÄNDER
Y IN ROOM A	País: ALEMANIA		
COUSTICS	LEMANIA	Centro de procedencia:RWTH	
	Fecha prevista de realización: 03 MA	RWTH	Nombre:
	ón: 03 MARZO 2014		MICHAEL

Apellidos:		Nombre:
NIF/Pasaporte:	Centro de procedencia:	
Ciudad:	País:	Fecha prevista de realización:
Título de la conferencia:		

^(*) Si tiene más de tres propuestas de conferenciantes, utilice el impreso de la página siguiente.



Prof. Dr. Michael Vorländer 2012-05-31

Curriculum Vitae

Prof. Dr. rer. nat. Dr.-Ing. habil. Michael Vorländer

Birth: 23.10.1958 in Duisburg / Germany

School education: from April 1964, finished June 1977

Military service: July 1977 to September 1978

University education: Physics

1978 to 1981 in Dortmund

1981 to 1984 in Aachen

Diploma Degree: 1984 Diploma (Dipl.-Phys.), RWTH Aachen University

Professional work:

1985 - 1989	Research assistant at the Institute of Technical Acoustics RWTH Aachen
1989	PhD examination, Dr. rer. nat., Title of thesis: "Investigation of the efficiency of the
	room acoustical ray tracing model"
1989 - 1991	Researcher at the Physikalisch-Technische Bundesanstalt (PTB) in Braunschweig.
	Research in the areas of audiological measurements, binaural technology and microphone calibration
1991 - 1996	Head of the laboratory of building acoustics of the PTB: Research, development and
	standardisation in the areas of room and building acoustics, sound emission and
	absorption measurement and microphone calibration

1995 of microphones in the reverberation chamber" Habilitation (Dr.-Ing. habil., Qualification as university lecturer) at the Technical University Dresden. Title of thesis: "Maximum-length sequence reciprocity calibration

1996 Offer for chair at the Technical University Dresden, Acceptance of an offer for chair at RWTH Aachen University

1.3.1996 **RWTH Aachen University** Appointment of Professor and Director of the Institute of Technical Acoustics

2002 - 2006 Information Technology of RWTH Aachen University Chairman of the Examination Committee of the Faculty of Electrical Engineering and

2007 - 2009 Vice-Dean of the Faculty of Electrical Engineering and Information Technology

Dean of the Faculty of Electrical Engineering and Information Technology

2010 - 2011Spokesman of Deans of RWTH Aachen University

2009 - 2011

RWTH Aachen University is one of the nine universities of excellence in Germany. It is linked to other high-ranked universities in Europe such as Imperial College London, TU Delft, ETH Zürich and ParisTech (IDEA league).

Prof. Dr. Michael Vorländer 2012-05-31

Teaching at RWTH Aachen University

Compact Course on Room Acoustics and Sound Reinforcement Systems. Lectures: Technical Acoustics, Acoustic Virtual Reality, Acoustics and Noise control,

Biomedical Engineering, Bionics Practical laboratory courses: Technical Acoustics, parts of: Communication Engineering,

Seminars: Virtual Acoustics, Audio Engineering, PhD seminar

BSc and MSc projects: ca. 20 per year

Doctorates: ca. 2 per year

Main research interests

Room acoustics, Building acoustics, Auralization, Psychoacoustics, Acoustic measurements

Memberships / additional activities:

- Member of German Acoustical Society (DEGA), 1998 2004 Board member
- Member of German Physical Society (DPG)
- Member of Acoustical Society of America (ASA)
- 2006 Member of the Council for International Research and Education of ASA
- 2004 2007 President of the European Acoustics Association, EAA
- 2007 2010 Vice-President of the European Acoustics Association, EAA
- 2007 Member of the Board of the International Commission for Acoustics, ICA
- 2011 2013 President of the International Commission for Acoustics, ICA
- 1998 – 2003: Editor-in-Chief of "Acta Acustica united with Acustica"
- since June 1996: Editorial Board of the Journal "Applied Acoustics"
- 2005 R.W.B. Stephens Medal of the Institute of Acoustics, United Kingdom
- 2006 Fellow of the Acoustical Society of America
- 2008 Diploma de Reconhecimento de Actividade, Acoustical Society of Portugal
- 2009 Caracola, Spanish Acoustical Society

Actual information: http://www.akustik.rwth-aachen.de

STADI AACHEN 各世の基本門内 MULSON VORLÄNDER 2009 DUISBURG

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Departamento Comunicaciones de Ingeniería

CONFERENCIA

Spherical Array in Room Acoustics

impartida por

Prof. Michael Vorländer

Director of the Institute of Technical Acoustics **RWTH Aachen University**

Día: Lunes, 3 de Marzo de 2 014

Hora: 12:00

Lugar: Sala de Grados B

E.T.S. Ingeniería de Telecomunicación

Campus de Teatinos

Contenido:

rotations of the source and the listener such as head orientation movements can be taken into account by multi-channel real-time convolution and dynamic filters. The theoretical background, and analysis of room reflections. Filter design and various applications are discussed as well as an approach for measurement of binaural room impulse responses reciprocally. In the latter example, the spherical loudspeaker acts as an HRTF radiator. For all applications in auralization, invariant. In application of room acoustic auralization, this source can reproduce musical instruments, for example, or it can radiate directional Dirac functions (sound pointer) for detection presented. With sequential measurements and rotation of the sphere a radiation of effectively 23rd order of spherical harmonics is obtained, as long as the room acoustic conditions are time-Multi-channel spherical loudspeakers became popular for simulation of musical instruments in rooms. In this lecture a spherical source with a partial Gaussian distribution of 28 channels is to challenges, performance, and limitations the mechanical solution and the software components are discussed and evaluated with regard