

AVFA2009



Madrid, Spain



Advanced Voice Function Assessment International Workshop

18th May – 20th May 2009

<http://www.avfa09.upm.es>

Call for papers

UPM
Madrid, Spain

We invite you to **AVFA 2009**, a COST 2103 Research Workshop on Advanced Voice Function Assessment that will be held at the main building of the Universidad Politécnica de Madrid (UPM), Spain. This workshop is hosted by the Dept. of Circuits & Systems Engineering (ICS), UPM.

Modern lifestyles have increased the risk of experiencing some kind of voice alteration. This motivates new and objective ways to evaluate speech, its quality, and its connection with other phenomena, since the deviations from normal speech patterns can be correlated with different symptoms and pathologies. Acoustic analysis is a non-invasive technique providing an efficient tool for the objective diagnosis of voice disorders, the screening of vocal and voice diseases (and particularly their early detection), the objective determination of vocal function alterations and the evaluation of surgical as well as pharmacological treatment and rehabilitation. Its application extends beyond medicine, and now includes forensic analysis as well as voice quality control for voice professionals such as singers and announcers. Acoustic analysis may also be seen as complementary to other methods of evaluation based on the direct observation of the vocal folds using videoendoscopy.

This event aims to foster an interdisciplinary forum for presenting new work in the multimodal analysis and modeling of voice signals and videoendoscopic images, with applications in pathological and esophageal voices. The aim of this workshop is to continue to foster interactions among researchers in voice disorders in the context of the COST 2103 Action, but is open to the whole scientific community as the successor of the AVFA2007 in Crete and the AVFA2008 in Aachen.

Program Committee

Program Chairs

Juan Ignacio Godino-Llorente,
Pedro Gómez-Vilda,
Universidad Politécnica de Madrid (UPM)

Scientific Secretariat

Rubén Fraile,
Universidad Politécnica de Madrid (UPM)
Bartolomé Scola Yurrita,
Hospital Gregorio Marañón (HGM)

Phillippe H. Dejonckere
University Medical Center Utrecht
Yannis Stylianou
University of Crete

Scientific Committee

Markus GUGATSCHKA, Austria
Martin HAGMUELLER, Austria
Jean SCHOENTGEN, Belgium
Thierry DUTOIT, Belgium
Mieke MOERMAN, Belgium
Jaromir HORACEK, Czech Republic
Jean SVEC, Czech Republic
Niels RASMUSSEN, Denmark
Mette F. PEDERSEN, Denmark
Laura LEHTO, Finland
Paavo ALKU, Finland
Anne-Maria LAUKKANEN, Finland
Olivier ROSEC, France
Antoine GIOVANNI, France
Katrin NEUMANN, Germany
Malte KOB, Germany
Ioanis BIZAKIS, Greece
Peter MURPHY, Ireland
Ailbhe NICHASAIDE, Ireland
Christer GOHL, Ireland
John FENTON, Ireland
Richard REILLY, Ireland
Giovanna CANTARELLA, Italy
Claudia MANFREDI, Italy
Irma VERDONCK, Netherlands
Luis CALDAS DE OLIVEIRA, Portugal
Jerneja ZGANEC GROS, Slovenia
Bojan PETEK, Slovenia
Sten TERNSTRÖM, Sweden
Maria SÖDERSTEN, Sweden
Krzysztof IZDEBSKI, USA
David M. HOWARD, UK
Adrian FOURCIN, UK
Eric GOODYER, UK
Julian MCGLASHAN, UK

Feature Tracks and Topics

The conference provides a forum for the presentation and discussion of current scientific research on the larynx and voice. We encourage investigators working in the following areas/themes to attend the conference: automatic assessment & classification of voice quality; new strategies for parameterization & modeling normal and pathological voices (biomechanical-based parameters, chaos, etc.); databases of vocal disorders; inverse filtering; signal processing for remote diagnosis; speech enhancement for pathological & oesophageal voices; objective parameters extraction from vocal fold images using videolaryngoscopy, videokymography, fMRI and other emerging techniques; multi-modal analysis of disordered speech; robust pitch extraction algorithms for pathological voices; speech emotions; speaker adaptation.

Paper Submission

Prospective authors are invited to submit papers written in English. Papers will be submitted via the AVFA2009 web site at www.avfa09.upm.es. The document style, templates, and submission form can be downloaded from the web site. Two members of the Scientific Committee will review each paper. At least one author of each paper is required to register. The workshop proceedings will be published on CD-ROM and extended selected papers will be published in a refereed journal.

Schedule

Proposal due	15 th January 2009
Notification of acceptance	15 th February 2009
Final papers due	28 th February 2009
Preliminary program	1 st May 2009
Workshop	18 th May – 20 th May 2009

Registration and Information

Registration will be handled via the AVFA2009 web site (www.avfa09.upm.es). Please contact the secretariat (avfa09@ics.upm.es) for further information.

Local Organizing Committee

Nicolás Sáenz-Lechón, UPM
Victor Osmá-Ruiz, UPM
Juana M^a Gutiérrez Arriola, UPM
David Osés del Campo, UPM
Rubén San Segundo Hernández, UPM
Roberto Fernández-Baillo, UPM
Begoña García Zapirain, Deusto University
Carlos Ramírez Calvo, HGM

