

Curriculum Vitae

PERSONAL DATA

Name: Dayana Ribas González

Gender: Female

Date of Birth: September 18th, 1985

Occupation: Junior researcher

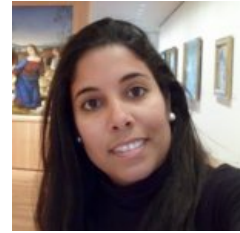
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Languages: Spanish, English, French



EDUCATION & TRAINING:

2016: Ph.D in Digital Signal Processing: “Robust Speaker Recognition in Noisy Environments”, Polytechnical Institute “José Antonio Echeverría” (CUJAE), Havana, Cuba.

2013: Assistance Researcher.

2013: MSc. in Signals and Systems, Santa Clara, Cuba.

2010: Junior Researcher.

2008: B.Sc. Telecommunication Engineer, Polytechnical Institute “José Antonio Echeverría” (CUJAE), Havana, Cuba, GOLDEN TITLE AWARD.

AFFILIATION

Member of the Cuban Association of Pattern Recognition

Member of the International Speech Communication Association

RESEARCH INTERESTS:

Speech processing

Speaker recognition

Noise compensation for speech signals

Speech quality measures

SCIENTIFIC INTERNATIONAL COLLABORATIONS:

Research stays with Technologies Communications Group of Zaragoza University, Spain at 2011, 2012 and 2013.

Research stays with Multispeech group in LORIA, Nancy, France at 2014 and 2015.

AWARDS:

Best Student Paper Award, Red Temática de Tecnologías del habla (RTTH), ISCA-SIG-IL, 2010.

Student Award: “Sello Forjadores del Futuro”, 2008.

SUMMARY OF RESEARCH ACTIVITY:

- Chairman of Special Session “Realism in robust speech processing”, Interspeech, San Francisco, USA, 2016.
- Project: “Robust speaker recognition in noisy environments”, Image and Signals Department, CENATAV, Cuba, 2014-2016.
- RTTH Summer School, Vigo, Spain, 1-5 July 2013.
- Project: “Remote monitoring system by voice”, Pattern Recognition Department, CENATAV, Cuba, 2009-2013.
- Project: “System tools for speech processing”, Image and Signals Department, CENATAV, Cuba, 2011-2012.
- Project: “Noise compensation methods for speakers recognition”, Pattern Recognition Department, CENATAV, Cuba, 2009-2011.
- Project: “Affordable Sensor Network for leak detection in Urban Water Distribution Systems”, Telematics and Telecommunication Department, CUJAE, CUBA and Engineer Faculty of Bristol University, England, 2007. Accepted by International Engineering Competition: “Mondialogo Engineering Award 2007”, UNESCO.

SUMMARY OF SCIENTIFIC PUBLICATIONS:

- Dayana Ribas, Emmanuel Vincent, José R. Calvo: “Full multicondition training for robust i-vector based speaker recognition” INTERSPEECH, Dresden, Germany 2015.
- Dayana Ribas, Emmanuel Vincent, José R. Calvo: “Uncertainty propagation for noise robust speaker recognition: the case of NIST-SRE” INTERSPEECH, Dresden, Germany 2015.
- Dayana Ribas, Serguey Crespo, José R. Calvo: “Single channel speech enhancement based on zero phase transformation in reverberated environment”, REVERB Challenge in ICASSP 2014, Italy, 2014.
- Dayana Ribas, Eduardo Lleida José R. Calvo: “Zero Phase Speech Representation for Robust Formant Tracking”, EUSIPCO, Lisbon, Portugal, 2014.
- David Martínez, Dayana Ribas, Eduardo Lleida, Alfonso Ortega, Antonio Miguel: “Suprasegmental Information Modelling for Autism Disorder Spectrum and Specific Language Impairment Classification”, INTERSPEECH, Lyon, France 2013.
- Dayana Ribas, José R. Calvo: “Feature Classification Criterion for Missing Features Mask Estimation in Robust Speaker Recognition”, Springer Journal SIVP, 2012.
- Dayana Ribas, José E. García, Antonio Miguel, Eduardo Lleida, Alfonso Ortega, José R. Calvo: “Evaluation of a New Beam-Search Formant Tracking Algorithm in Noisy Environments”, Springer Journal CCIS, 2012.
- Dayana Ribas, José R. Calvo: “New Missing Features Mask Estimation Method for Speaker Recognition in Noisy Environments”, Revista de Ingeniería Electrónica, Automática y Comunicaciones (RIELAC), 2012.
- Dayana Ribas, Jesús Villalba, José R. Calvo, Eduardo Lleida: “Missing Feature Techniques Combination for Speaker Recognition in Noisy Environment”, FALA 2010. (*BEST STUDENT PAPER AWARD*)
- Dayana Ribas, Jesús Villalba, José R. Calvo, Eduardo Lleida: “Speaker Verification in Noisy Environment using Missing Feature with Spectral Subtraction and Cluster-based Reconstruction”. CIARP, 2010.
- Dayana Ribas, José R. Calvo: “Speaker Verification with Shifted Delta Cepstral Features, Its Pseudo-Prosodic Behavior”. Iberian SL Tech, 2009.

- Dayana Ribas y José R. Calvo. “Métodos de compensación de ruido en reconocimiento de locutores”, Technical Report RT- 012, Pattern Recognition Department, CENATAV, Cuba, 2009.
- José Ramón Calvo, Dayana Ribas, Rafael Fernández, Gabriel Hernández: “Evaluation of Linear Relation between Shifted Delta Cepstral Features and Prosodic Features in Speaker Verification”. Proceedings of Iberoamerican Congress on Pattern Recognition (CIARP), LNCS 5197, September 2008.