

Héctor Delgado, PhD

Researcher at EURECOM, Sophia Antipolis, France

Personal information

Birth	9 th of April, 1983, Sevilla, Spain
Nationality	Spanish
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Researchgate	https://www.researchgate.net/profile/Hector_Delgado2
Google scholar	https://scholar.google.es/citations?user=J-QVrOQAAAAJ&hl=es

Education

2015	PhD Program in Electrical and Telecommunication Engineering. Thesis title: <i>Fast Cross-Session Speaker Diarization</i> . Advisors: Dr. Javier Serrano and Dr. Xavier Anguera. Autonomous University of Barcelona, Spain
2009	Master in Multimedia Technologies. Autonomous University of Barcelona (UAB).
2008	Computer Science Engineering. University of Seville.

Professional/research experience

2017 – present	Researcher at EURECOM , Sophia Antipolis, France Speech and Audio Processing Research Group – Digital Security Department
2015 – 2017	Post-doctoral researcher at EURECOM , Sophia Antipolis, France Speech and Audio Processing Research Group – Digital Security Department
2009 – 2014	R+D Engineer at Autonomous University of Barcelona , Spain. CAIAC/CEPHIS

Awards & Grants

2016	Winner of the Albayzín Speaker Diarization Evaluation 2016, organized by the Spanish Thematic Network on Speech Technology.
2016	Best paper award in “Odyssey, the Speaker and Language Recognition Workshop”, to the paper <i>A new feature for automatic speaker verification anti-spoofing: constant Q cepstral coefficients</i> .
2012	FI-DGR 3-year pre-doctoral grant by AGAUR (Catalan research and grants agency, Spain).

Teaching activities

2015-2018	<ul style="list-style-type: none">- Lecture “Speaker Recognition and Diarization” for the course “Speech and Audio Processing”.- Laboratory session for the course “Machine Learning and Intelligent Systems”.- Laboratory session for the course “Multimedia indexing and retrieval”. EURECOM – Graduate school and Research Center in Communication Systems, France.
2010-2011	<ul style="list-style-type: none">- Laboratory session for the course “Technologies for Ambient Intelligence”, within the Masters program in Multimedia Technology. Escola d'Enginyeria, Universitat Autònoma de Barcelona, Spain.

2009-2010	- Lecture "Introduction to music production" of the course "Multimedia Content Acquisition and Processing", within the Masters program in Multimedia Technology. Escola d'Enginyeria, Universitat Autònoma de Barcelona, Spain.
2008-2009	- Laboratory session "Developing an speech recognition systems", within the Masters program in Multimedia Technology. Escola d'Enginyeria, Universitat Autònoma de Barcelona, Spain.

Academic and research activities

(Activities from 2015 to present were performed on the Speech and Audio processing Group, Digital Security Department, EURECOM, France)

2018	Chair of the session "Speaker Verification Using Neural Methods I" at Interspeech 2018 conference, Hyderabad, India.
2018 – present	Currently participating on the Albayzín 2018 Speaker Diarization Evaluation organized by the Spanish Thematic Network on Speech Technologies.
2018	Participation on the first DIHARD speaker diarization challenge.
2018 – present	Currently participating on the NIST Speaker Recognition Evaluation (SRE) 2018 within the I4U consortium.
2018 – present	Currently co-organizing the Automatic Speaker Verification Spoofing and Countermeasures Challenge (ASVspoof 2019).
2017	Co-organizer of the Automatic Speaker Verification Spoofing and Countermeasures Challenge (ASVspoof 2017).
2017 – present	Participation on the preparation of research project proposals for funding.
2016 – present	Co-coordination and co-contribution of ANR ODESSA project.
2016	Participation on the Albayzín 2016 Speaker Diarization Evaluation organized by the Spanish Thematic Network on Speech Technologies. The EURECOM submission was ranked first in the evaluation.

2016	Participation on the NIST Speaker Recognition Evaluation (SRE) 2016 within the I4U consortium.
2015 – 2017	Co-coordination and co-contribution of H20202 OCTAVE project.
2015 – present	Supervision of PhD thesis projects.
2010-2013	Co-coordination and co-contribution of project “La e-salud al servicio del ciudadano” within the Spanish research program AVANZA2. Hardware-Software Prototypes and Solutions Lab (CEPHIS), Escola d'Enginyeria, Universitat Autònoma de Barcelona, Spain.
2010-2015	Supervision of BSc and MSc projects. Departament de Telecomunicació i Enginyeria de Sistemes, Escola d'Enginyeria, Universitat Autònoma de Barcelona, Spain.

Reviewing activities

<i>Reviewer for International journals</i>	<ul style="list-style-type: none"> - IEEE/ACM Transactions on Audio, Speech and Language Processing. - IEEE Journal of Selected Topic in Speech Processing. - IEEE Signal Processing letters - ELSEVIER Speech Communication. - ELSEVIER Pattern Recognition Letters. - ELSEVIER Computer Speech & Language. - ELSEVIER Information Sciences.
<i>Reviewer for International conferences</i>	<ul style="list-style-type: none"> - Interspeech – Annual Conference of the International Speech Communication Association. - ICASSP – IEEE International Conference on Acoustics, Speech and Signal Processing. - APSIPA – Asia-Pacific Signal and Information Processing Association Conference

Publications

My updated publication list can be found in several sources:

My personal website: <http://hectordelgado.me>

My Google scholar profile: <https://scholar.google.com/citations?user=&user=J-QVrOQAAAAAJ>

My Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=54402491600>

My Researchgate.net profile: https://www.researchgate.net/profile/Hector_Delgado2

Programming and toolkits

Programming languages Matlab, Python, Shell, C, C++, Java

Deep learning frameworks Keras

Speech processing toolkits MSR Identity toolkit, Kaldi, HTK, Alize

Software packages

Several codes are available at my personal website (<http://hectordelgado.me/software/>):

- A Matlab implementation of ICMC features for utterance verification and text-dependent ASV.
- A Matlab implementation of CQCC-ARTE features for ASV.
- A Matlab implementation of CQCC features for spoofed speech detection.
- A Matlab implementation of Binary Key speaker diarization.

An updated version of the Binary Key speaker diarization system can be found at my GitHub page:

<https://github.com/h-delgado?tab=repositories>