



Mireia Farrús i Cabeceran

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Date of birth: June 26th, 1975

Place of birth: Barcelona, Catalonia

Contents

EDUCATION, 1 • PhD THESIS, 1 • CURRENT PROFESSIONAL SITUATION, 1 • EMPLOYMENT HISTORY, 2 • INTERNATIONAL RESEARCH STAYS, 2 • MANAGEMENT RESPONSIBILITIES, 3 • CURRENT TEACHING ACTIVITIES, 3 • PAST TEACHING ACTIVITIES, 3 • OTHER PROFESSIONAL RESPONSIBILITIES, 4 • DISTINCTIONS AND AWARDS, 6 • GRANTS AND SCHOLARSHIPS, 7 • ACADEMIC ACCREDITATIONS, 7 • INVITED TALKS AND SEMINARS, 7 • COMPETITIVE RESEARCH PROJECTS, 8 • FUNDED INDUSTRIAL PROJECTS, 11 • SUPERVISED THESES AND PROJECTS, 12 • PUBLICATIONS, 13.

EDUCATION

Universitat Politècnica de Catalunya <i>Ph.D. Department of Signal Theory and Communications</i>	Barcelona October 2008
Universitat de Barcelona <i>Bachelor of Linguistics</i>	Barcelona September 2003
Universitat de Barcelona <i>Bachelor of Physics</i>	Barcelona July 1998
Conservatori Superior Municipal de Música de Barcelona <i>Music - Piano & Singing Studies</i>	Barcelona 1984-1999

PhD THESIS

Title: *Fusing Prosodic and Acoustic Information for Speaker Recognition*

Thesis supervisor: Dr. Javier Hernando

Jury of thesis defense: Dr. José B. Mariño, Dr. Climent Nadeu, Dr. Ramon Cerdà, Dr. Elisabeth Zetterholm, Dr. Javier Rodríguez-Saeta

Grade: Excellent Cum Laude, European Mention

Place: Department of Signal Theory and Communications, Universitat Politècnica de Catalunya

Date: 29th October 2008

CURRENT PROFESSIONAL SITUATION

Institution: Universitat de Barcelona

Department: Department of Catalan Philology and General Linguistics

Position: Ramón y Cajal Researcher

Date of start: September 1st, 2020

EMPLOYMENT HISTORY

Ramón y Cajal fellow, TALN Research Group <i>Department of Information and Communication Technologies</i> Universitat Pompeu Fabra, Barcelona	2017–2020
Juan de la Cierva fellow, TALN Research Group <i>Department of Information and Communication Technologies</i> Universitat Pompeu Fabra, Barcelona	2014–2017
Visiting Lecturer, TALN Research Group <i>Department of Information and Communication Technologies</i> Universitat Pompeu Fabra, Barcelona	2012–2014
Computational Linguist <i>Department of Learning Technologies</i> Universitat Oberta de Catalunya, Barcelona	2009–2011
Postdoc Researcher, Lecturer <i>Department of Signal Theory and Communications</i> Universitat Politècnica de Catalunya, Barcelona	2008–2009
PhD Student <i>Department of Signal Theory and Communications</i> Universitat Politècnica de Catalunya, Barcelona	2004–2008
Researcher, Research Group in Computational Linguistics (GilcUB) <i>Parc Científic de Barcelona</i> Universitat de Barcelona	2002–2003
Researcher <i>Research Centre in Artificial Intelligence (DFKI)</i> Saarland University, Saarbrücken, Germany	2001–2002
Scientific Coordinator <i>Department of Computational Linguistics</i> Editorial Planeta-Actimedia S.A., Barcelona	2000–2001

INTERNATIONAL RESEARCH STAYS

Department of Computer Science (postponed due to covid-19) <i>Host: Julia Hirschberg</i> Columbia University	United States of America 2020 (1 month)
The Centre for Speech Technology Research (CSTR) <i>Host: Joanna D. Moore</i> University of Edinburgh	United Kingdom 2015 (3 months)
National Centre for Biometric Studies <i>Host: Michael Wagner</i> University of Canberra	Australia 2007 (6 months)
Department of Philosophy and Linguistics <i>Host: Kirk P.H. Sullivan</i> University of Umeå	Sweden 2005–2006 (3 months)
German Research Centre for Artificial Intelligence (DFKI) <i>Hosts: Hanz Uszkoreit, Thierry Declerck</i> Saarland University	Germany 2001–2002 (6 months)

MANAGEMENT RESPONSIBILITIES

Head of the Expressive Speech Lab at TALN

Department of Information and Communication Technologies
Universitat Pompeu Fabra

2016–2020

Coordinator of the Master in Intelligent Interactive Systems

Department of Information and Communication Technologies
Universitat Pompeu Fabra

2014–2019

Member of the Postgraduate and Doctorate Academic Commission

Department of Information and Communication Technologies
Universitat Pompeu Fabra

2014–2019

CURRENT TEACHING ACTIVITIES

Computational Linguistics

Undergraduate course (Linguistics)
Universitat de Barcelona

2020–2021

PAST TEACHING ACTIVITIES

Natural Language Interaction

Master course (Master in Intelligent Interactive Systems)
Universitat Pompeu Fabra

2013–2020

Discrete Mathematics

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2012–2020

Speech Processing

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2013–2018

Modeling Social Interaction 2.0

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2013–2016

Waves and Electromagnetism

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2012–2015

Intelligent Computing and Natural Language

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2013–2014

The Role of Linguistics in Statistical Machine Translation

25th European Summer School in Logic, Language and Information (ESLLI 2013)
Heinrich Heine University, Düsseldorf, Germany

August 2013

Optical Engineering

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2012–2012

Computational Logic

Undergraduate course (Engineering School)
Universitat Pompeu Fabra

2012–2012

Technology and Society

<i>Undergraduate course (Barcelona School of Telecommunications Engineering)</i> Universitat Politècnica de Catalunya	2006–2009
Technoethics	
<i>Undergraduate course (Barcelona School of Telecommunications Engineering)</i> Universitat Politècnica de Catalunya	2008–2009
Speech and Language Technologies and Applications	
<i>Master course (Master of Research on Information and Communication Technologies)</i> Universitat Politècnica de Catalunya	2007–2008
Engineering and Social Responsibility	
<i>Undergraduate course (Barcelona School of Telecommunications Engineering)</i> Universitat Politècnica de Catalunya	2006–2008
Speech and Language Technologies	
<i>Doctorate course (PhD Program in Signal Theory and Communications)</i> Universitat Politècnica de Catalunya	2006–2007

OTHER PROFESSIONAL RESPONSIBILITIES

Reviewer in Journals *(numbers in parentheses indicate the articles reviewed)*

- Concurrency and Computation: Practice and Experience (1)
- Journal of Neurolinguistics (1)
- Data in Brief (1)
- Health Informatics Journal (1)
- Cognitive Computation (4)
- BioMed Research International (1)
- Lingua (1)
- Journal of Intelligent Systems (1)
- Computer Speech and Language (1)
- Information Sciences (1)
- Speech Communication (2)
- The International Review of Research in Open and Distance Learning (4)
- Journal of Natural Language Engineering (1)
- Studies in Media and Communication (1)
- Signal, Image and Video Processing (1)
- Folia Phoniatica et Logopaedica (1)
- Llengua, Societat i Comunicació (1)

Reviewer in Conferences

- AAAI Conference on Artificial Intelligence 2021
- 25th International Conference on Pattern Recognition (ICPR) 2020
- 28th European Signal Processing Conference (EUSIPCO) 2020
- 28th International Conference on Computational Linguistics (COLING) 2020
- International Joint Conference on Artificial Intelligence –Pacific Rim International Conference on Artificial Intelligence (IJCAI-PRICAI) 2020
- The 22nd Annual Conference of the European Association for Machine Translation (EAMT) 2020
- Annual Conference of the International Speech Communication Association (Interspeech) 2020
- Speech Prosody Conference 2020
- Language Resources and Evaluation Conference (LREC) 2020
- IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2020
- AAAI Conference on Artificial Intelligence 2020
- Annual Conference of the International Speech Communication Association (Interspeech) 2019
- 27th European Signal Processing Conference (EUSIPCO) 2019
- MT Summit 2019
- International Joint Conference on Artificial Intelligence (IJCAI) 2019
- AAAI Conference on Artificial Intelligence 2019
- Iberspeech 2018
- Annual Conference of the International Speech Communication Association (Interspeech) 2018
- 27th International Conference on Computational Linguistics (COLING) 2018
- International Joint Conference on Artificial Intelligence (IJCAI-ECAI) 2018
- 15th Sound and Music Computing Conference 2018
- Speech Prosody Conference 2018
- Annual Conference of the European Association for Machine Translation (EAMT) 2018
- Language Resources and Evaluation Conference (LREC) 2018
- IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2018
- Annual Conference of the International Speech Communication Association (Interspeech) 2017
- Annual Conference of the European Association for Machine Translation (EAMT) 2017
- IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2017
- Annual Conference of the International Speech Communication Association (Interspeech) 2016
- Annual Conference of the European Association for Machine Translation (EAMT) 2016
- Language Resources and Evaluation Conference (LREC) 2016
- Annual Conference of the European Association for Machine Translation (EAMT) 2015
- XXX Congreso de la Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN) 2014
- Joint ICMC | SMC Conference: 40th International Computer Music Conference & 11th Sound and Music Computing Conference 2014
- Language Resources and Evaluation Conference (LREC) 2014
- 21st European Signal Processing Conference (EUSIPCO) 2013
- SMAC Stockholm Music Acoustic Conference & SMC Sound and Music Computing Conference 2013
- 20th European Signal Processing Conference (EUSIPCO) 2012

Panels and Other Scientific Committees

- PhD Thesis: *Efficient, end-to-end and self-supervised methods for speech processing and generation* (Santiago Pascual), Universitat Politècnica de Catalunya, 2020
- Comissió Interna de Revisió Ètica de Projectes (CIREP-UPF), 2019
- Chair of Session in Iberspeech 2018
- End of Degree Project: *Boosting image captioning with an attentional mechanism* (Javier Benedicto), Universitat Pompeu Fabra, 2018
- End of Degree Project: *Sentiment analysis on Amazon product reviews* (Enric Martos), Universitat Pompeu Fabra, 2018
- Comissió Interna de Revisió Ètica de Projectes (CIREP-UPF), 2018
- PhD Thesis: *The role of Human reference translation in machine translation evaluation* (Marina Fomicheva), Universitat Pompeu Fabra, 2017
- PhD Thesis: *Discriminative features for GMM and i-vector based speaker diarization* (Abraham Woubie Zewoudie), Universitat Politècnica de Catalunya, 2017
- Master Thesis: *Identification of the native tongue of authors of scientific publications written in English* (Fenglu Zhang), Universitat Pompeu Fabra, 2017
- Master Thesis: *Knowledge extraction through a camera* (Pantelis Stylianides), Universitat Pompeu Fabra, 2017
- Master Thesis: *Communication mode selection in humanoid conversation agents* (Carla Ten), Universitat Pompeu Fabra, 2017
- Master Thesis: *Methodology for detecting suicide behavior on social media* (Sofija Milunov), Universitat Pompeu Fabra, 2017
- Comissió Interna de Revisió Ètica de Projectes (CIREP-UPF), 2017
- PhD Thesis: *Nuevas técnicas diagnósticas de las enfermedades respiratorias. Análisis de imagen* (José Antonio Fiz Fernández), Universitat Politècnica de Catalunya, 2016
- Master Thesis: *A neural network approach for automatic detection of equipment alarms in a neonatal intensive care unit environment* (Alex Peiró-Lilja), Universitat Pompeu Fabra, 2016
- Scientific committee of the Equit@t Award, Universitat Oberta de Catalunya, 2016
- Rin4 UPF Competition, 2015
- PhD Thesis: *Un modelo computacional para la simplificación automática de expresiones numéricas* (Susana Bautista), Universidad Complutense de Madrid, 2015
- End of Degree Project: *Clasificación de estados emocionales provocados por estímulos visuales basada en aprendizaje automático* (Albert Manovel), Universitat Pompeu Fabra, 2013
- UPF Research Award in Engineering and Applied Mathematics, 2013
- Associate Editor of the Journal of Biometrics (2013–2016)
- End of Degree Project: *Disseny, implementació i avaluació d'un joc interactiu basat en el Tangram* (Roc Itxart), 2012
- End of Degree Project: *Aprendizaje de idiomas con reconocimiento de audio* (Guillem Pérez), 2012
- XV Debat Universitari. El català i les tecnologies de la informació i la comunicació: reptes inevitables i necessitats preemptòries, Universitat d'Andorra, 2005

Organization of R+D Activities

- The 6th International Workshop on Speech Processing in Everyday Environments (CHiME, collocated with ICASSP 2020) (Universitat Pompeu Fabra), 2020
- 19th International Conference of the Catalan Association for Artificial Intelligence (Universitat Pompeu Fabra), 2016
- II International Workshop on Free/Open-Source Rule-Based Machine Translation (Universitat Oberta de Catalunya), 2011
- III Jornades sobre el català a les noves tecnologies (Softcatalà, Institut Joan Lluís Vives, Universitat Pompeu Fabra, Generalitat de Catalunya), 2005

DISTINCTIONS AND AWARDS

- SciWriting in the Sciences – Certificate with Distinction, Stanford University, 2013
- Best demo paper Award, 1st Joint SIG-IL/Microsoft Workshop on Speech and Language Technologies for Iberian Languages, Porto Salvo, Portugal, 2009
- Contest Award: *Els 200 noms de la Catòsfera*, Omnium Cultural, 2007
- Music National Award from the Generalitat de Catalunya as a member of Orfeó Català, 2006
- Culture National Award from the Generalitat de Catalunya as a member of Softcatalà, 2005
- Internet National Award from the Generalitat de Catalunya as a member of Softcatalà, 2004

GRANTS AND SCHOLARSHIPS

- **Ramón y Cajal** fellowship, Spanish Ministry of Economy, Industry and Competitiveness, 2017–2022
- **Juan de la Cierva** fellowship, Spanish Ministry of Economy and Competitiveness, 2014–2017
- **José Castillejo** mobility grant (United Kingdom), Spanish Ministry of Education, Culture and Sports, 2014
- FPU (Formación de Personal Universitario) fellowship, Spanish Ministry of Education and Science, 2004–2008
- FPU mobility grant (Australia), Spanish Ministry of Education and Science, 2007
- FPU mobility grant (Sweden), Spanish Ministry of Education and Science, 2005
- Agreement of Educative Cooperation (Universitat de Barcelona – Polinter Company), 2003
- Collaboration Scholarship (Universitat de Barcelona – Planeta Actimedia S.A.), 2000

ACADEMIC ACCREDITATIONS

- **Professor Agregat**, Agència per a la Qualitat del Sistema Universitari Català (AQU), 2014
- **Profesor Contratado Doctor**, Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA), 2013
- **Profesor Ayudante Doctor**, Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA), 2011
- **Professor Lector**, Agència per a la Qualitat del Sistema Universitari Català (AQU), 2009

INVITED TALKS AND SEMINARS

- January 17th 2020: *Voz, Habla y Salud*. I Preceptorship en inteligencia artificial y salud — Hospital de la Vall d'Hebron, Barcelona.
- January 16th 2020: *Tecnologies per a la constitució de corpus en català*. I Jornada sobre corpus orals del català: ciència, lingüística i tecnologia — Institut d'Estudis Catalans, Barcelona.
- September 25th 2016: *Using paragraph and discourse-based prosodic cues to improve speech synthesis expressiveness*. AI With The Best Online Conference.
- July 7th 2016: *Ethical implications of the lack of participation of women in technological fields*. Seminar on "Academic sexism and ethical implications of the underrepresentation of women in technology", Gender and ICT Research Group, IN3, Universitat Oberta de Catalunya, Espai Francesca Bonnemaison.
- August 24th 2015: *Using information structure for prosody prediction*. Centre for Speech Technology Research, University of Edinburgh.
- May 15th 2015: *New ethical changes for today engineering and technology*. EGERA Workshop, Universitat Autònoma de Barcelona.
- June 4th 2014: *The information structure-prosody language interface revisited*. Seminar Series of the GLICOM Group, Universitat Pompeu Fabra.
- February 2nd 2012: *Audiovisual prosody*. Seminar Series of the TALNM Group, Universitat Pompeu Fabra.
- July 22nd 2008: *Biometrics. Normalisation and Fusion Techniques*. Seminar Series of the Speech Group, Universitat Politècnica de Catalunya.
- May 25th 2007: *Introduction to Biometrics. Fusion of Prosody, Voice Spectrum and Face Features for Multimodal Person Verification*. Seminar Series of the Department of Information Sciences and Engineering, University of Canberra.

COMPETITIVE RESEARCH PROJECTS

INGENIOUS: First Responder (FR) of the Future: a Next Generation Integrated Toolkit (NGIT) for Collaborative Response, increasing protection and augmenting operation capacity

- Funding Agency: EC - Horizon 2020
- Institute of Communication and Computer Systems, Universiteit Twente, Deutsches Zentrum für Luft, Dig-inext, Fundación Tekniker, Exodus Anonymos Etaireia Pliroforikis, Sintef AS, Ethniko Kentro Erevnas kai Technologikis Anaptyxis, Totalforsvarets Forskningsinstitut, C4Controls Ltd, Alpes Lasers SA, Technische Universität Wien, CYRIC, Universitat Pompeu Fabra, Singularlogic Anonymi Etaireia Pliroforiakon Systeematon kai Efarmogon Pliroforikis, Korea Institute of Robot and Convergence, Gobierno Vasco, Assistance Publique - Hôpitaux de Paris, Sodertorns Branforsvarsforbund, ISAR Germany Stiftung Gemeinnützige UG, Police Service of Northern Ireland
- Principal Investigator at UPF: Mireia Farrús
- Reference: H2020 - 833435
- Funding: 8 616 111,25 €
- Duration: 01 Sep 2019 - 31 Aug 2022

ProA: Métodos, modelos, métricas y herramientas para la evaluación de la prosodia

- Ministerio de Ciencia, Innovación y Universidades
- Partners: Universidad Nacional de Educación a Distancia, Universitat Autònoma de Barcelona, Universitat Pompeu Fabra
- Principal Investigator: Juan María Garrido
- Reference: PGC2018-094233-B-C21
- Funding: 44 770 €
- Duration: 01 Jan 2019- 31 Dec 2021

CONNEXIONS: Interconnected Next-Generation Immersive IoT Platform of Crime and Terrorism Detection, Prediction, Investigation, and Prevention Services

- Funding Agency: EC - Horizon 2020
- Partners: Motorola Solutions Israel Ltd., Ethniko Kentro Erevnas kai Technologikis Anaptyxis, Sheffield Hallam University, Nuromedia GmbH, Universitat Pompeu Fabra, Siveco Romania SA, Police Service of Northern Ireland, Hochschule für den Öffentlichen Dienst in Bayern, Ministério da Justiça, Ingegneria Informatica SPA, Serviciul de Protectie si Paza, Gottfried Wilhelm Leibniz Universität Hannover, Ministère de l'Interieur, Katholieke Universiteit Leuven, Serviciul de Protectie si Paza de Stat, Bayerisches Staatsministerium des Innern, Ministerio del Interior
- Principal Investigator at UPF: Leo Wanner
- Reference: H2020 - 786731
- Funding: 4 999 390 €
- Duration: 01 Sep 2018 - 31 Aug 2021

KRISTINA: A Knowledge-based Information Agent with Social Competence and Human Interaction Capabilities

- Funding Agency: EC - Horizon 2020
- Partners: Universitat Pompeu Fabra, Centre for Research and Technology Hellas - IT Institute, University of Augsburg, Almende BV, Vocapia Research, Universität Tübingen, Universität Ulm, SemFYC, Deutsches Rotes Kreuz, Kreisverband Tübingen
- Principal Investigator at UPF: Leo Wanner (Coordinator)
- Reference: H2020 - 645012
- Funding: 3 633 801 €
- Duration: 01 Mar 2015 - 28 Feb 2018

Prevaluació de les proves d'avaluació continuada

- Funding Agency: Universitat Oberta de Catalunya
- Partners: Tecnologia Educativa - UOC
- Principal Investigator: Mireia Farrús
- Funding: 7 000 €
- Duration: 01 Mar 2011 - 28 Feb 2011

Introducció d'àrees temàtiques al traductor automàtic Apertium

- Funding Agency: Universitat Oberta de Catalunya
- Partners: Tecnologia Educativa - UOC
- Principal Investigator: Mireia Farrús
- Funding: 7 000 €
- Duration: 01 Mar 2011 - 28 Feb 2011

Avaluació automàtica de tests de preguntes obertes

- Funding Agency: Universitat Oberta de Catalunya
- Partners: Tecnologia Educativa - UOC
- Principal Investigator: Mireia Farrús
- Funding: 7 000 €
- Duration: 01 Mar 2011 - 28 Feb 2011

TECNOPARLA: Tecnologies de la parla per al català i la seva aplicació a la traducció veu a veu

- Funding Agency: Generalitat de Catalunya
- Partners: Universitat Politècnica de Catalunya
- Principal Investigator: J. Adrián Rodríguez-Fonollosa
- Funding: 1 500 000 €
- Duration: 01 Jan 2007 - 30 Sep 2009

AVIVAVOZ: Tecnologías para la traducción de voz: reconocimiento, traducción estadística basada en corpus y síntesis

- Funding Agency: Ministerio de Educación y Ciencia
- Partners: Universitat Politècnica de Catalunya
- Principal Investigator: José B. Mariño
- Reference: TEC2006-13694-C03-01
- Funding: 298 023 €
- Duration: 01 Oct 2006 - 30 Sep 2009

ACESCA: Análisis computacional de escenas acústicas en el entorno de una sala inteligente multimodal

- Funding Agency: Ministerio de Educación y Ciencia
- Partners: Universitat Politècnica de Catalunya
- Principal Investigator: Enric Monte
- Reference: TIN2005-08852
- Funding: 123 760,00 €
- Duration: 01 Jan 2006 - 31 Dec 2007

The Thinking Head Project: From Talking to Thinking Heads – A Research Platform for Human Communication Science

- Funding Agency: Australian Research Council / National Health and Medical Research Council
- Partners: University of Western Sydney, Macquarie University, Flinders University, University of Canberra, Carnegie Mellon University, Technical University of Denmark, Technische Universität Berlin
- Principal Investigator at UC: Michael Wagner
- Duration: 01 Jan 2006 - 31 Dec 2011

Imitated Voices: A research project with application to the law and security

- Funding Agency: Riksbankens Jubileumsfond, Sweden
- Partners: University of Umeå
- Principal Investigator: Kirk P.H. Sullivan
- Duration: 01 Jan 2003 - 31 Dec 2006

BIOSEC: Biometrics and Security

- Funding Agency: European Commission - FP6
- Partners: Telefónica I+D, Università di Bologna, Aristotle University of Thessaloniki, Atmel Grenoble SA, Biometrika SRL, Centre for Research and Technology Research Hellas, Etra I+D SA, Expertnet SA, Finnair OYJ, Giesecke and Devrient GmbH, Ibermática SA, Katholieke Universiteit Leuven, Mediascore Gesellschaft für Medien- und Kommunikationsforschung MBH, Naukowa i Akademicka sieć Komputerowa, Siemens Aktiengesellschaft, Sisaasiainministerio, Technical Research Centre of Finland, Universidad Carlos III de Madrid, UNiversidad Politécnica de Madrid, Universität zu Köln, UNiversitat Politècnica de Catalunya, University of Tampere, VCON Telecommunications Ltd
- Principal Investigator at UPC: Javier Hernando
- Reference: FP6-IST-001766
- Funding: 5 549 995 €
- Duration: 01 Dec 2003 - 30 Nov 2005

CHIL: Computer Human Interaction Loop

- Funding Agency: European Commission - FP6
- Partners: Fraunhofer Gesellschaft für Förderung der Angewandten Forschung EV, Carnegie Mellon University, Centre National de la Recherche Scientifique, Daimlerschrysler AG, Evaluations and Language Resources Distribution Agency, IBM Ceska Republika SPOL. SRO, Institut National de Recherche en Informatique et en Automatique, Institut National Polytechnique de Grenoble, Instituto Trentino di Cultura, Kungliga Tekniska Högskolan, Research and Education Society in Information Technologies, Technische Universiteit Eindhoven, The Leland Stanford Junior University, Universität Karlsruhe, Universitat Politècnica de Catalunya, Université Joseph Fourier Grenoble 1
- Principal Investigator at UPC: Josep R. Casas
- Reference: FP6-IST-506909
- Funding: 15 000 000 €
- Duration: 18 Dec 2003 - 31 Dec 2006

IMAGINE: Interfacing Mobile Applications with voice natural language interactivity

- Funding Agency: European Commission - FP5
- Partners: Software AG España, SA, IT Innovation, Institut für Angewandte Informationsforschung, Royal National Institute for the Blind, Iniciativas Digital Media – Grupo La Vanguardia, Telefónica I+D, Universitat de Barcelona
- Principal Investigator at UB: Ramon Cerdà
- Reference: FP5-IST-29490
- Funding (UB): 113 440 €
- Duration: 1 Mar 2002 - 30 Jun 2003

PEKING: People and Knowledge Cross Lingual Information Gathering

- Funding Agency: European Commission - FP5
- Partners: Universitat de Barcelona
- Principal Investigator at UB: Ramon Cerdà
- Reference: FP5-IST-25338
- Funding (UB): 175 898 €
- Duration: 1 Jan 2001 - 31 Dec 2002

ISLE: International Standards for Language Engineering

- Funding Agency: European Commission - FP5
- Partners: Universitat de Barcelona
- Principal Investigator at UB: Núria Bel
- Reference: FP5-IST-10647
- Funding (UB): 15 000 €
- Duration: 1 Jan 2000 - 31 Dec 2002

E-MATTER: E-Mail Access through the Telephone Using Speech Technology Resources

- Funding Agency: European Commission - FP5
- Partners: Universitat de Barcelona
- Principal Investigator at UB: Ramon Cerdà
- Reference: FP5-IST-21042
- Funding (UB): 15 000 €
- Duration: 1 Jan 2000 - 31 Dec 2002

MUMIS: Multimedia Indexing and Searching Environment

- Funding Agency: European Commission - FP5
- Partners: Universiteit Twente, Deutsches Forschungszentrum für Künstliche Intelligenz GmbH, Esteam AB, Max-Planck-Gesellschaft zur Förderung der Wissenschaft Vertreten durch das Max-Planck-Institut für Psycholinguistik, Stichting Katholieke Universiteit, The University of Sheffield, VDA Informatiebeheersing BV
- Principal Investigator at DFKI: Hans Uszkoreit
- Reference: FP5-IST-10651
- Funding (DFKI): 2 425 000 €
- Duration: 1 Jul 2000 - 31 Dec 2002

COLLATE: Computational Linguistics and Language Technology for Real Life Applications

- Funding Agency: Federal Ministry of Education and Research, Germany
- Partners: Deutsches Forschungszentrum für Künstliche Intelligenz GmbH, Universität des Saarlandes
- Principal Investigator at DFKI: Hans Uszkoreit
- Duration: 1 Apr 2001 - 31 Dec 2003

FUNDED INDUSTRIAL PROJECTS

Millora del sistema de reconeixment de la parla de l'assistent virtual de Telefónica integrat als Movistar Home.

- Funding Company: Telefónica I+D SA
- Principal Investigator: Mireia Farrús
- Funding: 11 019,28 €
- Duration: 1 May 2020 - 31 Dec 2020

STARS-PCP. Empowering patients by professional STress Avoidance and Recovery Services.

- Funding Agency: European Commission
- Funding Company: PULSO Ediciones S.A.
- Principal Investigator: Mireia Farrús
- Reference: H2020-727585
- Funding: 42 500 €
- Duration: 1 Jul 2019 - 30 Nov 2020

dCoach. Development and integration of a mood state detection system in type 2 diabetes patients from voice analysis.

- Funding Company: PULSO Ediciones SA
- Principal Investigator: Mireia Farrús
- Funding: 2 500 €
- Duration: 1 Jan 2019 - 31 Dec 2019

e-MOTIPH. Speech pattern recognition algorithms to detect the status of patients with schizophrenia

- Funding Company: Nurogames GmbH, Germany
- Principal Investigator: Mireia Farrús
- Funding: 32 000 €
- Duration: 1 May 2019 - 31 Dec 2020

COPD-MOBILE – EMPOC. A new technological ecosystem based on COPD patient experience

- Funding Company: PULSO Ediciones SA
- Principal Investigator: Mireia Farrús
- Funding: 30 000 €
- Duration: 1 Jan 2019 - 31 Dec 2019

mDepression. Mood status detection of depressed patients

- Funding Company: PULSO Ediciones SA
- Principal Investigator: Mireia Farrús
- Funding: 2 500 €
- Duration: 1 Jan 2018 - 31 Dec 2018

NYPHA-MD. Next Generation Mobile Platforms for Health, in Mental Disorders

- Funding Company: PULSO Ediciones SA
- Principal Investigator: Mireia Farrús
- Funding: 49 000 €
- Duration: 1 Jan 2016 - 31 Dec 2017

SUPERVISED THESES AND PROJECTS

Supervised PhD Theses.....

Title: Incorporating prosody into neural speech processing pipelines

Student: Hamdi Alp Öktem

Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra

Date: 25th February 2019

Title: Information Structure – Prosody Interface: On the role of hierarchical thematicity in an empirically-grounded model

Student: Mónica Domínguez Bajo

Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra

Date: 17th November 2017

Supervised Master Theses.....

Title: Correlation of speech/non-speech events with photo-plethysmographic (PPG) signal

Student: Guillermo Cámara

Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra

Date: 2nd July 2019

Title: An investigation of in-sample forgetting in deep convolutional neural networks

Student: Alexander Gilbert

Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra

Date: 5th July 2018

Title: Anti-theft

Student: Jordi Selva Vinagre

Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra

Date: 12th September 2018

Title: The role of prosody in speech-to-speech translation

Student: Irina Tanayan

Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra

Date: 7th September 2018

Title: Co-speech gesture generation for the humanoid robot REEM-C
Student: Laura Pérez Mayos
Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra
Date: 30th June 2015

Title: Improvement of speech synthesis through emotional pitch markers
Student: Joan Pere Sánchez Pellicer
Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra
Date: 14th July 2014

Supervised End of Degree Projects.....

Title: Millora de la naturalitat i l'expressivitat en la síntesi de veu
Student: Jordi Rabasseda Riba
Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra
Date: 13th July 2017

Title: Humanitzant avatars. Generació automàtica de gestos a partir de la parla
Student: Josep Riera Vuibert
Place: Department of Information and Communication Technologies, Universitat Pompeu Fabra
Date: 10th July 2013

Title: Pre and post-editing web environment for Apertium
Student: Arnaud Vié
Place: Google Summer of Code – Universitat Oberta de Catalunya
Date: 15th September 2010

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