

# Postdoctoral Researcher in Multilingual Speech Processing

## CONTEXT

The Expression research team focuses on expressiveness in human-centered data. In this context, the team has a strong activity in the field of speech processing, especially text-to-speech (TTS). This activity is denoted by regular publications in top international conferences and journals, exposing contributions in topics like machine learning (including deep learning), natural language processing, and speech processing.

Team Expression takes part in multiple collaborative projects. Among those, the current position will take part in a large European H2020 project focusing on the social integration of migrants in Europe.

Team's website: <https://www-expression.irisa.fr/>

## PROFILE

### Main tasks:

1. Design multilingual TTS models (acoustic models, grapheme-to-phoneme, prosody, text normalization...) especially in French, English, Spanish and Greek.
2. Take part in porting the team's TTS system for embedded environments.
3. Develop spoken language skill assessment methods, especially pronunciation evaluation.

### Secondary tasks:

1. Collect speech data
2. Define use cases with the project partners

**Environment:** The successful candidate will integrate a team of researchers and engineers working on the same topics.

**Required qualification:** PhD in computer science or signal processing. Skills:

- **Statistical machine learning and deep learning**
- **Speech processing and/or natural language processing**
- **Strong object-oriented programming skills**
- **Android and/or iOS programming are a strong plus**

## CONTRACT

**Duration:** 22 months, full time. **Salary:** competitive (about 2500 € net/month), depending on the experience. **Starting date:** 1<sup>st</sup> January 2020.

## APPLICATION & CONTACTS

**Send a cover letter, a resume, and references by email to all the following contacts:**

- Arnaud Delhay, [arnaud.delhay@irisa.fr](mailto:arnaud.delhay@irisa.fr) ;
- GwénoLé Lecorvé, [gwenole.lecorve@irisa.fr](mailto:gwenole.lecorve@irisa.fr) ;
- Damien Lolive, [damien.lolive@irisa.fr](mailto:damien.lolive@irisa.fr) .

Application deadline: **30<sup>th</sup> January 2020**. Applications will be processed on a daily basis. The earliest is the best.