



## Post-doctoral Position

- Title:** Automatic speech recognition and collaborative annotation for improving accessibility on video sharing websites by the visually and hearing impaired.
- Department:** Multimedia Communications
- URL:** <http://www.eurecom.fr/research/>
- Start Date:** January 2010
- Duration:** 18 months months
- Description:** EURECOM's Multimedia Communications Department invites applications for a full-time post-doctoral researcher to work on the ACAV (*Annotation Collaborative pour l'Accessibilité Vidéo*) project funded as part of the "Web Innovant"<sup>1</sup> call. The project aims to improve the accessibility of video on popular content sharing websites by the visually and hearing impaired. The first part of the project involves the development of an automatic speech recognition system (preferably using freely available, open-source software), to transcribe web-based video data. The second part of the work entails the design and implementation of a system to improve the accessibility of the content to the visually and hearing impaired, based on semantic web and collaborative annotations technologies. The position requires significant experience in speech recognition research. Training on semantic web technologies and ontology modelling will be provided. The project consortium is composed of Dailymotion, LIRIS - University of Lyon 1 and EURECOM.
- Requirements:** The successful candidate will have been awarded a PhD degree, involving automatic speech recognition (preferably large vocabulary, continuous speech), prior to their joining Eurecom. Expertise in environmental robustness, speaker adaptation and/or speaker diarization, i.e. speaker attributed speech-to-text, is a bonus, as is any experience relevant to ontology modelling and semantic web languages. You will have a strong research track record with significant publications at leading international conferences and/or in journals. You will be highly motivated to undertake challenging, applied research and have good English language speaking and writing skills. French language skills are a bonus.
- Applications:** Please send to the address below (i) a one page statement of your research interests and motivation, (ii) your CV and (iii) two letters of reference no later than **20<sup>th</sup> of December 2009**.
- Contact:** Dr. Raphaël Troncy AND Dr. Nicholas Evans
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<sup>1</sup> <http://tinyurl.com/web-innovant>

