



168 bis - 170, rue Raymond Losserand
75014 Paris
01 77 37 17 52
recrutement@aldebaran-robotics.com
www.aldebaran-robotics.com

Reference	INFO04-1008	Contact	Patrick de PAS
Title	Audio interaction specialist		
Goal			
Contract	Long term	Level	Engineer/Expert

About Aldebaran Robotics

Aldebaran Robotics is a young and innovative startup company. We design and produce humanoid robots around a complete, evolutive and customizable platform called Nao. The scope of this project encompasses mechanics, hardware and software.

Today, the team counts more than 40 engineers and specialists, and we are striving to reach the general public market in 2009.

Besides our ambitions, Nao has been selected as the official platform of the International Robocup Competition. The first units were sent to participating teams in March 2008.

We also produce and sell Nao Academics Edition, a research platform focusing on laboratories and universities.

Additional information: www.aldebaran-robotics.com.

Your role

Sound interaction, the human voice in particular, is the most natural means of communicating with a robot. This is why we pay particular attention to Nao's audio capabilities. As a consequence, we are opening recruitment towards audio technologies, vocal in particular. The candidate should be a technology expert in "machine learning" applied to audio. The fields of application covered by this role include: voice recognition, voice synthesis, sound localization, sound focus, sound identification, music analysis.

As part of the team and expert in audio interaction, you will be in charge of enhancing the technologies used by our robot.

Requirements

- * Experience in voice recognition and synthesis technologies.
- * Good command of machine learning techniques: HMM, MFCC, GMM, SVM...
- * Good command of C, C++, Matlab.
- * Good command of signal processing techniques.
- * Knowledge of automatic classification techniques.
- * Notions of French.

To apply:

Send your resume and cover letter to recrutement@aldebaran-robotics.com; please mention the reference of this post (INFO04-1008)

Starting date: immediately. Location: Paris (14), France