

EXPERIENCED RESEARCHER IN MACHINE LEARNING FOR AFFECTIVE COMPUTING

ABOUT GRADIANT

The Galician Research and Development Center in Advanced Telecommunications (Gradiant) is a private R&D center based in Vigo, Spain with the mission of improving the competitiveness of the industry through Information and Communication Technology transfer. At present time, Gradiant is interested in filling the following Experienced Researcher Position within the framework of the project LIFTGATE (FP7 contract no. 285901).

SPECIFICATIONS

Location	Galician Research and Development Center in Advanced Telecommunications (Gradiant), Vigo, Spain
Technical Field	ICT, Affective Computing, Machine Learning, Signal Processing
Hours	40 hours per week – Flexible
Experience	PhD with at least 3 years of postdoctoral research experience
Reference number	OF0511
Closing date	06/10/2011

TOPIC DESCRIPTION

We are looking for a very creative and motivated experienced researcher on Affective Computing-related topics. The applicant must have at least 3 years of postdoctoral research experience, and strong background in pattern recognition, machine learning, speech processing and computer vision.

Background on cognitive and social sciences applied to automatic affect analysis and social signal processing is desired, though not required. The applicant will complement and extend Gradiant's current knowledge on facial expression recognition, Human-Computer Interfaces, and multimodal analysis of human behavior.

MAIN TASKS AND RESPONSIBILITIES

The recruited expert will be in charge of leading Gradiant's R&D activities related to "Affective Computing", as well as proposing new ideas mainly related (but not limited) to this research field. The topics in which the recruited expert will work are among the following:

- Recognition of affective states from face and body gestures in spontaneous behavior.
- Classification between genuine and posed emotions.
- Speech analysis for emotion recognition.
- Affective state recognition from physiological measures.
- Methods for multi-modal recognition of affective states.
- Recognition of group emotions and interactions.

- Computational models of human emotion processes (e.g., decision-making models that take into account the influence of emotions)
- Affective computing related applications, including: e-learning (e.g. affective tutoring systems), e-health (e.g. (fake) pain detection), affect-based interactive media (e.g. videogames and cartoons), automatic analysis of human interactions (e.g. call centers), neuromarketing, etc.

QUALIFICATIONS AND EXPERIENCE

Applicants for this position must have:

- A PhD degree in telecommunications, electrical engineering or similar
- 3 years of post-doctoral research experience in R&D institutions and/or R&D departments of engineering companies
- Capacity of leading and carrying out innovative research
- Strong publication record
- Involvement in international research projects (with emphasis in projects funded by the European Commission), including proposal preparation, and project/work package/task coordination
- Good programming skills
- Leadership and management skills, including team management
- Large contact network among the private sector and R&D and innovation agents

CONDITIONS AND CONTRACT TYPE

Labor contract with Gradiant.
Duration: 36 months.
40 hours/week. Flexible working.
Salary range: 32.000 – 38.000 €.
Private health insurance.

CONTACT AND APPLICATIONS

Applicants please send an email including a cover letter detailing your suitability for the position in question, detailed CV and list of publications. Reference letters and/or addresses of referees supporting the application are optional. Informal enquiries and applications should include the reference number OF0211, and be sent to:

rrhh@gradiant.org