Fraunhofer
PORTUGAL

RESEARCH CENTER FOR ASSISTIVE INFORMATION AND COMMUNICATION SOLUTIONS

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The Fraunhofer Portugal Research Center for Assistive Information and Communication Solutions (Fraunhofer Portugal AICOS) is a non-profit organization dedicated to the promotion and development of applied research in Portugal, being its activities focused in the areas of Ambient Assisted Living and ICT4D. Fraunhofer Portugal AICOS works with companies interested in outsourcing/co-developing their applied research projects, providing them specialized competences centered on the improvement of end-user experience and usability of applications.

WE ARE NOW RECEIVING APPLICATIONS FROM CANDIDATES INTERESTED IN THE PARTICULAR FIELDS ADDRESSED BY THE CENTER, WHO ARE CAPABLE OF PROVIDING EXCELLENT QUALIFICATIONS AND SKILLS WITHIN THE REQUIREMENTS DESCRIBED BELOW.

JOBS
Signal Processing Senior Researcher
Researcher and Project Manager
Image Processing Senior Researcher

JOB TYPE
**Full-time, Fixed-term Contract
(12 months, renewable)**

JOB LOCATION
Porto, Portugal

JOB TITLE
Signal Processing Senior Researcher

JOB FUNCTION
Research and development in the area of Signal Processing and Sensor Fusion

JOB DESCRIPTION
The candidate will be responsible for conducting R&D in the area of Signal Processing, particularly, for the areas of fall-detection and ambulatory monitoring of the elderly. The successful candidate will manage the activities of the Fraunhofer AICOS Fall Competence Center and related projects.

The candidate is also expected to perform:

- Team management;
- Project management;
- New project acquisition;
- Student guidance.

JOB TITLE
Researcher and Project Manager

JOB FUNCTION
Conduct R&D work in the area of Ambient Assistant Living or ICT4D

JOB DESCRIPTION
The candidate will be responsible for conducting R&D work in the areas of Ambient Assisted Living (AAL) and/or ICT for Development (ICT4D). Within AAL, Fraunhofer AICOS is currently participating in several projects in the areas of Energy Efficiency, Chronic Disease Management and Assistive Environments. Within ICT4D, Fraunhofer AICOS is currently starting the development of a Competence Center that includes diverse application areas such as Agriculture, Mobile Health, Remote Communications, eGovernement, among others.

JOB TITLE
Image Processing Senior Researcher

JOB FUNCTION
Conduct R&D work in the area of Image Processing

JOB DESCRIPTION
The candidate will be responsible for conducting R&D work in the area of Image Processing in the scope of AICOS' R&D projects.

The candidate is also expected to perform:

- Team management;
- Project management;
- New project acquisition;
- Student guidance.

THE APPLICATION PERIOD IS OPEN FROM THE 17TH OF JUNE 2013 UNTIL THE 31ST OF JULY 2013. APPLICANTS SHOULD APPLY VIA FRAUNHOFER'S WEBSITE. RECOMMENDATION LETTERS ARE OPTIONAL BUT ALSO WELCOME.

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SPECIFIC SCIENTIFIC FIELD
Electrical and Computers Engineering

ACADEMIC QUALIFICATION
**PhD in Computer Science
or Electrical Engineering**

WORK PLAN
The candidate will be responsible for conducting R&D work in the area of Image Processing for the ShopView project. Upon the image acquisition from the shelves of a supermarket it will be required to segment an image to identify the shelves position, the different product placed in the selves, and extract associated barcode, price and product description. Upon image analysis the system must also be able to identify misplaced product based on the product image pattern. Image segmentation and identification of patterns.

SPECIFIC SCIENTIFIC FIELD
Electrical Engineering or Biomedical Engineering

ACADEMIC QUALIFICATION
**PhD in Electrical Engineering
or Biomedical Engineering (preferential areas)
with strong background in Signal Processing**

WORK PLAN
The candidate will be responsible for conducting R&D in the area of Signal Processing, particularly, for the areas of fall-detection and ambulatory monitoring of the elderly. The successful candidate will integrate the activities of the Fraunhofer AICOS Fall Competence Center and related projects. The FCC intends to bring together experts from the different relevant fields, as Medicine, Physics, Electronics, Mathematics, Information and Communication Technologies, and Human-Computer Interaction, that will be able to address all fall related aspects in order to develop knowledge and solutions that will be able to get transferred and applied in valuable products.

**THE APPLICATION PERIOD IS OPEN FROM THE 26TH OF JUNE 2013 UNTIL THE 27TH OF JULY 2013.
APPLICANTS SHOULD APPLY VIA FRAUNHOFER'S WEBSITE. RECOMMENDATION LETTERS ARE OPTIONAL BUT ALSO WELCOME.**