

## Marie Curie Experienced Researcher Position in Signal and Image Processing

### Vacancy Details

Contract Number

MRTN-CT-2004-512400

Core Project Title

Augmented Reality for Surgery (ARIS\*ER)

Job Title

Marie Curie Experienced Researcher position at Lecce Operative Unit of the Institute of Clinical Physiology, National Council of Research, Italy

### Job Description

Applications are invited for an Experienced Researcher position within the framework of the European Marie Curie Research and Training Network "Augmented Reality in Surgery" (ARIS\*ER, see <http://www.ariser.info>) at the Institute of Clinical Physiology (<http://www.ifc.cnr.it>), National Council of Research, Lecce site (<http://www.ifc.cnr.it/lecce>), Italy.

The scientific objectives of ARIS\*ER concern the development of "super vision" for surgeons by use of augmented reality (AR) display of computer generated medical images on top of the real patient, in the context of minimally invasive surgery.

The network comprises 8 scientific partners in 7 European countries.

The selected candidate will carry out research in the following areas:

- Signal and Image Processing Applications
- AR user interfaces for image guided surgery
- Tracking methods for clinical AR
- AR application framework for support of minimally invasive surgery
- Real time volume rendering for augmented reality displays

The successful candidate will work within a multidisciplinary and challenging environment in image and signal processing, computer graphics, augmented reality, and computer vision. Candidates should have a doctoral degree or 4 to 10 years experience after obtaining a MS or equivalent degree in biomedical engineering or signal and image processing or computer science or in a related field, as well as advanced software development skills and a high motivation to work within a team.

The position offers EC Marie Curie salary and allowances, as well as opportunities to collaborate with other members of the network, and to attend short courses, meetings, summer schools and workshops held at the project partner sites and international sites. Preference will be given to applicants who are citizens or residents of the European Union and associated countries. To favour research mobility across Europe, the position is not open to Italian applicants, except those who have resided outside Italy for four of the past five years. You may check your eligibility on:

(<http://europa.eu.int/comm/research/fp6/mariecurie-actions>).

Well qualified women are especially encouraged to apply.

Candidates should email a detailed CV with Photo, a letter of motivation, list of publication if available and the names and addresses of two referees to Dr Sergio Casciaro ([casciaro@ifc.cnr.it](mailto:casciaro@ifc.cnr.it)) and to Prof Alessandro Distante ([distante@ifc.cnr.it](mailto:distante@ifc.cnr.it)). This two years Experienced Researcher job is to be started as soon as possible in 2006.

Contract type  
Temporary

Position  
Experienced researcher (in possession of doctoral degree or with 4 to 10 years experience after obtaining MS or equivalent degree)

Number of positions  
1

Deadline for application  
May 10, 2006

Start date  
June 1, 2006 (final approval of this date pending)

Duration in months  
24

Salary  
Marie Curie ER salary + allowances  
(Living allowance: 46.671 Euro + Mobility Allowance between 5.958 and 9.533 Euro (depending on family situation) + Annual Travel Allowance depending on distance from location of origin to IFC-CNR Lecce site + Possible Career exploratory allowance.

How to apply  
Email and Interviews

Contact Person  
Dr. Sergio Casciaro  
[casciaro@ifc.cnr.it](mailto:casciaro@ifc.cnr.it)  
and  
Prof. Alessandro Distante  
[distante@ifc.cnr.it](mailto:distante@ifc.cnr.it)

City  
Lecce

Country

Italy

Place of work

Institute of Clinical Physiology

National Council of Research

Lecce, Italy

Disciplines

Biomedical Engineering, Signal and Image Processing, Computer science or Equivalent disciplines