

Vision, Image Processing, and Sound (VIPS) Laboratory

Dipartimento Scientifico e Tecnologico
Università degli Studi di Verona
Verona, ITALY

RESEARCH FELLOWSHIPS AVAILABLE

Due to success in EU funding, we are seeking to fill a number of vacancies **as soon as possible**.

Applications are invited for several Research Fellowships (graduates and postdocs) position on the EU projects [ARROV](#) and [SOB](#). The length of these appointments are from 2-3 years, although shorter periods may be considered in certain circumstances.

The aim of the [ARROV](#) (Augmented Reality for Remotely Operated Vehicles based on 3D acoustical and optical sensors for underwater inspection and survey) project is the development of Remotely Operated Vehicles (ROVs) for inspection, monitoring and survey of underwater environments and manmade installations (as oil rigs). In particular, the VIPS laboratory is involved in work on **augmented reality interface** and **3D model acquisition** from both **acoustic and optical sensors**.

The [SOB](#) (the Sounding Object) project aims at developing versatile and efficient **sound models** that are based on the **physics of sound-generating phenomena**, thus being easily integrated within artefacts and appliances that interact physically with humans. The SOB project is part of the IST-FET Disappearing Computer proactive initiative.

Applicants should hold, or expect to hold by the appointment date, a degree in either computer science, computer engineering, physics or a related scientific discipline. Good programming and scientific writing skills are essential. A PhD or previous research experience will be an advantage. The candidates, who are expected to work in a international framework, should have good familiarity with written and spoken english.

The successful candidates for the [ARROV](#) positions should have competencies in image processing and analysis. Specific experience in 3D computer vision and computer graphics will be appreciated.

The successful candidates for the [SOB](#) positions should have competencies in audio signal processing and sound synthesis. Specific experience in physical modeling or auditory display will be appreciated.

The Vision, Image Processing, and Sound (VIPS) Laboratory was established in the Dipartimento Scientifico e Tecnologico at the University of Verona in 1999 with the goal of doing theoretical and applied research in the fields of Computer Vision, Image Processing and Sound Processing. Our research is focused both on investigating the underlying scientific principles and on the application to problems of real-world importance. The VIPS laboratory includes currently 2 faculty members and 4 research assistants and PhD students.

Expected inception of employment: January - February 2000

Please send a CV in electronic form or any questions to:

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