



POSTDOCTORAL RESEARCH FELLOW POSITION IN VISUAL PERCEPTION AND/OR IMAGE PROCESSING (RFMLab-101)

We are looking for 1-2 postdoctoral researcher(s) until the end of January 2011 with a background in visual perception and/or image processing to join our digital holography research team at University of Oulu. The researcher(s) would work on projects related to visual perception of video on three-dimensional (3D) displays.

The researcher could have expertise in eye tracking (EyeLink II), visual perception research methods, and ideally in 3D perception including stereoscopic perception. They should also have an interest in learning about digital holography and novel display technologies. The job would be suitable for a postdoctoral researcher.

Alternatively, the researcher should have a proven track record in image processing/analysis related research (postdoctoral-level) and an interest in visual perception research. Ideally, the researcher should have research expertise in areas related to computer vision, three-dimensional image processing, and/or optical image processing. Experience of assembling precision data capture systems (combining cameras, mounts, and illumination) would be an advantage.

The salary will be according to the applicant's experience and qualifications, and will be determined by the standard Finnish university salary scale for "Teaching and research staff", level 5 – 6 (basic salary of € 2636 - € 3132 per month) in addition, a salary component based on personal work performance will be paid up to maximum total salary of € 4583 on level 6.

Digital holograms of real-world objects are an exciting new form of 3D media, to which visual perception studies are only now being applied. We offer a research opportunity in international multipartner multidisciplinary projects on digital hologram displays. The projects will allow a suitably motivated person to publish milestone journal papers, and contribute to developing cutting-edge technology.

Our primary research project is funded by the European Commission's Framework Programme 7 under an nine-partner collaborative project. For more information, consult the Real 3D project webpage www.digitalholography.eu. The research will be conducted primarily at the RFMedia-laboratory of Oulu Southern Institute, which is a regional unit of University of Oulu. The RFMedia-laboratory is a dynamic multidisciplinary research environment, located in the town of Ylivieska, hosting collaborations between researchers from both academic and applied universities. The University of Oulu is an international science community, whose core strength lies in multidisciplinary basic research. Founded in 1958, the University of Oulu is among the largest in Finland and has an exceptionally wide scientific base. According to the Academic Ranking of World Universities 2009, University of Oulu is ranked as number two in Finland.

Further information about the position and the research project can be obtained from Real 3D scientific leader Thomas Naughton (thomas.naughton@oulu.fi) and project manager Taina Lehtimäki (taina.lehtimaki@oulu.fi).

Applicants should send (in PDF format) a cover letter, a curriculum vitae including full list of publications, and the contact details of three referees to the University of Oulu registrar's office by e-mail (kirjaamo@oulu.fi) with subject line "RFMLab-101". Applications should be received by Tuesday 16th of February 2010 at 15:00 EET.

February 2nd 2010