

POSTDOCTORAL AND/OR PHD STUDENT POSITIONS ON QUANTITATIVE PHOTOACOUSTIC IMAGING

We are seeking for two highly motivated researchers to work on modelling and/or inverse problem of photoacoustic tomography.

The researchers will work in Jane and Aatos Erkko Foundation funded project on quantitative photoacoustic imaging for 1-2 years starting at the beginning of 2017.

The positions will be located at Computational Physics and Inverse Problems research field in the Department of Applied Physics, University of Eastern Finland (Kuopio campus). The group is affiliated with the Centre of Excellence in Inverse Problems Research of the Academy of Finland, and it belongs to the strategic research area Methods and Applications of Uncertainty Modelling of the University of Eastern Finland.

Both postdoctoral and PhD student candidates will be considered. The salary of the positions is determined in accordance with the salary system of Finnish universities.

Qualifications

- Postdoctoral researchers are expected to have a doctoral degree (PhD degree or equivalent) in relevant fields (e.g. applied mathematics, scientific computing, applied/computational physics).
- PhD students are expected to have a masters degree (or equivalent) in relevant fields (e.g. applied mathematics, scientific computing, applied/computational physics).

Furthermore, a successful candidate is expected to have a strong background on inverse problems and/or scientific computing, good programming skills on some commonly used programming languages (e.g. Matlab, Python, C/C++), fluent written and spoken English, ability to work both independently and as part of a team, and strong interest in research. Experience on light transport modelling is viewed as a benefit. Persons graduating in the near future are also encouraged to apply.

To apply

The application needs to be submitted no later than **September 30th 2016 (by 24.00 EET)** by using the electronic application form: <http://www.uef.fi/en/uef/en-open-positions> (go to: Postdoctoral Researcher/Project Researcher and Early Stage Researcher - Department of Applied Physics). The electronic application should contain the following appendices:

- A résumé or CV (<http://www.tenk.fi/en/template-researchers-curriculum-vitae>)
- A list of publications (<http://www.aka.fi/en/funding/how-to-apply/appendices-required/guidelines-for-list-of-publications/>)
- Copies of the applicant's academic degree certificates/diplomas, and copies of certificates/diplomas relating to the applicant's language proficiency, if not indicated in the academic degree certificates/diplomas
- Motivation letter including names and contact information of two referees

For further information on the position, please contact: Head of the research team, Senior Researcher Tanja Tarvainen (tanja.tarvainen@uef.fi or +358 40 355 2310).