



UNIVERSITY of OULU
OULUN YLIOPISTO

June 29, 2011

Post-doctoral research fellow (for five years) in materials studies using synchrotron radiation excited electron spectroscopy

Location and field

The post is placed in the Research Group of Electron Spectroscopy (ELSP) at the Department of Physics in the Faculty of Science. The Group presently consists of experimental professor, another theoretical professor, and a 5-year Finland Distinguished Professorship, in addition to several senior researchers and PhD students.

The research activities of the electron spectroscopy group are connected to one of the focus areas of the University of Oulu: Environment, Natural Resources and Materials. The group participates in instrumentation of beam lines and end stations at synchrotron radiation facilities, carries out spectroscopic experiments of low density and condensed materials and performs theoretical analyses of the experimental data. Results are published currently in about 20 scientific papers yearly. The group is also very active in researcher education, 1-3 PhD degrees are completed yearly; the number of PhD students is 11 at the moment. The Group also coordinates an international Master degree program 'Synchrotron radiation based science and acceleration physics' started 2010.

Job Responsibilities and Required Qualifications

The duties of the post-doctoral research fellow include scientific research on the field in question, international collaboration, teaching (as agreed) in undergraduate and post-graduate courses and supervision of theses.

The required qualifications for the post include a doctoral degree and high quality scientific competence. Shown ability to supervise theses as well as evidence of international collaboration in the field in question are also desirable. When assessing the applicant's merits, issues to be considered will include scientific publications, teaching experience, theses supervised, activity in the scientific community, practical familiarity with the field in question, success in acquiring supplementary (extramural) funding, scientific work abroad, and other international activities.

The salary will be based on the levels 5-6 of the demand level chart for university-level teaching and research staff of Finnish universities. In addition, a salary component based on personal work performance will be paid (maximum of 46.3 % of the job-specific component). The salary thus being in practice roughly 3000–4000 € per month, depending on the appointee's qualification and experience.

Application Procedure

Applications should be addressed to:

University of Oulu, Kirjaamo/Office of Registrar
PO.Box 8000, FIN – 90014 Oulu University, Finland
email: kirjaamo(at)oulu.fi

by **August 15, 2011 before 3.00 p.m. local time**

Applications documents will not be returned.

The following documents must be attached to the application:

- 1) a brief *curriculum vitae* in English.,
- 2) the list of publications in international peer-reviewed journals,
- 3) the list of teaching experience,
- 4) a brief research and action plan in English. It is possible to submit the application via e-mail as well, but in this case, also a signed application must be submitted via regular mail.

For further information regarding the filling of this post:

Professor (nominated) Marko Huttula, Department of Physics, University of Oulu
tel. +358-8-553-1319, email: marko.huttula(at)oulu.fi