

PhD student position in medical physics

The Biosignal Analysis and Medical Imaging Group (BSAMIG, <http://bsamig.uku.fi>) at the Department of Applied Physics (<http://www.uef.fi/sovfys>), University of Eastern Finland (<http://www.uef.fi>), Kuopio Campus, will hire 1 new PhD student (early stage researcher). The BSAMIG research group is led by Prof. Pasi Karjalainen and it currently consists of 2 senior and postdoctoral researchers and 9 PhD students.

The research topic on which the PhD student will work is “**Quantitative methods for the diagnosis and assessment of treatment effects in Parkinson’s disease**”. The methods to be developed are based on EMG and kinematic measurements. The research tasks include EMG signal processing and modeling, development of analysis methods, analysis of patient measurements and possible participation in the implementation of patient measurements.

The salary of the PhD student will be placed on levels 1-4 of the job requirement level chart for teaching and research personnel in the Salary System for Finnish Universities. The duration of the position is up to four years.

Prospective PhD students are expected to have an MSc degree (or equivalent). Persons graduating in the near future are also encouraged to apply. Knowledge of biomedical signal processing and data analysis are regarded as merits. The application consisting of the following documents should be sent or delivered to the Registry Office of the University of Eastern Finland, Kuopio Campus, P.O. Box 1627, 70211 Kuopio, FINLAND (street address: Yliopistonranta 1 E, Snellmania) or Joensuu Campus, P.O.Box. 111, 80101 Joensuu, FINLAND (street address: Yliopistokatu 2, Aurora). The deadline for applications is **September 23, 2011** (at 3.00 pm Finnish time).

The application should include

- A cover letter indicating the position to be applied for.
- A Short CV.
- Copies of relevant diplomas and transcripts of academic records. The diplomas should be in English or Finnish, and the grading system should be described.
- The names and contact information of two referees.

All enquiries related to the position should be addressed to Senior Researcher Mika Tarvainen, email: mika.tarvainen@uef.fi.

Administration Centre
August 25, 2011
