

Post doctoral and early stage researcher positions in scientific computing

The Inverse Problems Group (IPG) at the Department of Applied Physics, University of Eastern Finland (Kuopio campus) will hire 1-3 new PhD students (early stage researchers) and 1 post doctoral researcher. The IPG is led by Prof. Jari P. Kaipio, and it currently consists of 9 senior and postdoctoral researchers and 12 PhD students. The group is affiliated with the Centre of Excellence in Inverse Problems Research (Academy of Finland). The IPG invites prospective PhD students and prospective post doctoral researchers to apply for the positions, which will involve research on one of the following topics:

1. Aerosols and climate: Reduction of uncertainty of the models (Post Doc + PhD student)
2. Stochastic boundary models for inverse problems induced by PDEs (PhD student)
3. Development of advanced modelling for diffuse optical tomography (PhD student)
4. Computational and statistical methods for quantitative photoacoustic tomography (PhD student)
5. Electrical capacitance tomography imaging of concrete (PhD student).

The postdoctoral position will be placed on the topic #1, the PhD student candidates are requested to indicate the preferred projects (one or more) in their application.

The salary of the PhD students will be placed on levels 1-4 and the salary of the postdoctoral researcher on level 5 of the job demands level chart for teaching and research personnel in the Salary System for Finnish Universities. The duration of the positions can be up to four years for the PhD students and three years for the post doctoral researcher.

Prospective PhD students are expected to have a MSc degree (or equivalent) and the prospective postdoctoral researchers a PhD degree (or equivalent). Persons graduating in the near future are also encouraged to apply. The application with the following documents should be sent or delivered to the Registry Office of the University of Eastern Finland, Kuopio Campus, P.O.B. 1627, 70211 Kuopio, Finland (street address: Yliopistonranta 1 E, Snellmania) or Joensuu Campus, P.O.B. 111, 80101 Joensuu, Finland (street address: Yliopistokatu 2, Aurora). The deadline for applications is February 28, 2010 (at 3.00 pm Finnish time).

- Cover letter indicating which project(s) are addressed
- Short CV
- Copies of relevant diplomas and transcripts of academic records. The diplomas and transcripts should be in English or Finnish and the grading system should be described
- Names and contact information of two referees

For more information, see <http://physics.uku.fi/research/IP/Announcement2011.pdf>

All enquiries related to the applications should be addressed to Ville Kolehmainen, email: ville.kolehmainen@uef.fi