

Position for an optical scientist at Finnish Geodetic Institute



A post doc, doctoral student, or visiting scientist position is open at Finnish Geodetic Institute (FGI) <http://www.fgi.fi>, funded by the Academy of Finland project “Electromagnetic scattering from complex medium”, in consortium with the Universities of Helsinki and Jyväskylä. The project goals are to model scattering from snow, soil, regoliths and individual particles, validate and gain understanding experimentally, and develop new extra innovative remote sensing and astronomical techniques.

FGI is a governmental research institute with about 80 employees, and very high research profile. The scattering laboratory hosts the FIGIFIGO field goniometer-spectro-polarimeter, several light sources, spectrometers, lasers, monochromators, cameras, reference targets, UAVs. The institute is located at Masala, 25 km from Helsinki, and 15 km from Espoo, at idyllic suburb area and is easily reached from Helsinki city centre by train within 40 minutes.

Duties of the employee include design, building, maintaining and operating optical measurement instruments and processing tools, including FIGIFIGO, polarised light sources and new systems. May include also some other research tasks, teaching or support work for other FGI projects or for the University of Helsinki. Excellent researcher training and team spirit will be provided.

Required skills

- MSc or PhD in physics, engineering or relevant disciplines,
- excellence in optical instrument design and building,
- basic understanding on electromagnetic waves and light scattering,
- good written and spoken English.

Driving licence and good programming skill are an advantage. The position requires some physical efforts, travel, and field work, but is suitable for both genders and all ages.

Salary will be based on governmental standards and qualifications, presumably between 2500 and 4000 €/month at start. Contract will be initially made for 1 year, with good possibilities for continuation.

The position will be filled as soon as possible, when the suitable candidate is found. To apply for this position please send a free form motivation letter along with your CV and list of publication to Dr. Jouni Peltoniemi.

Deadline extended 15. June.

More information

Dr. Jouni.Peltoniemi@fgi.fi, +3585062689, project leader, remote sensing applications,

Dr. Maria.Gritsevich@fgi.fi, application scientist, meteorites

MSc Teemu.Hakala@fgi.fi, automation engineer, current instrument master,

Prof. Karri.Muinonen@helsinki.fi, team leader, planetary applications, modelling