



Postdoctoral position in Photonics

The Department of Microelectronics and Information Technology (IMIT) at the Royal Institute of Technology (KTH), in Stockholm, Sweden announces a postdoctoral position in the field of photonics, in particular, nonlinear and dispersive (including plasmonic) photonic crystal devices for integrated optics. Our department has strong research programs in photonics and in-house facilities for fabrication and characterization of photonic devices.

The fellowship is intended for one year with a potential for prolongation to a second year. Post-doctoral candidates are expected to have completed their Ph.D. degree within the last 4 years (or show the proof that they will complete before June 2005), in physics, or electrical engineering, or related fields. The applicants are expected to have: in-depth knowledge of electromagnetic wave theory; experience in analysis and design of integrated photonic crystal devices; and strong background on related subjects.

The application should contain (1) Curriculum Vitae, (2) a short letter highlighting recent relevant research experience, (3) a short research plan on nonlinear and dispersive photonic crystal devices, (4) a list of publications, (5) at least one letter of recommendation, (6) names of references and other materials that the applicant wishes to enclose.

The starting date of the position should be not later than June 1, 2005. The salary is given in the form of a tax-free scholarship of about 16,000-18,000 SEK/month (approximately 23,000 Euro/year or 30,000 USD/year).

KTH invites female as well as male applicants. We make no distinction whatsoever among applicants with regard to their sex, ethnical affiliation, religion, functional abilities or sexual disposition.

Queries and preliminary expressions of interest in the position can be sent by email to Assistant Professor Min Qiu, min@imit.kth.se.

Application should be submitted to Kungl Tekniska Högskolan, Lena Svensson, KTH/IMIT, Electrum 229, S-164 40 Kista, Sweden.

Deadline for application is the 1st of April, 2005.

State the reference number 220-2004-0465.