

PhD Position in Photonics/Fiber Optics

A PhD position in photonics/fiber optics is currently available at the department of Information, Technology and Media at the Mid Sweden University in Sundsvall, Sweden.

You will join a team working with design and development of rare-earth doped optical fibers for fiber laser applications. Today the largest commercial market for fiber lasers is within the materials processing industry for applications such as marking, cutting and welding of metal sheets and plastics. As a PhD student you will be working in close collaboration with the local industry, research institutes and research groups at other national and international universities. The main part of the work will involve development and characterization of new optical fibers for fiber lasers and amplifiers. Further work involves tests and construction of experimental setups for material characterization, optimization of laser performance and development of new fiber laser sources. The work is primarily experimentally oriented but segments of theory and simulations will occur.

Qualifications: The prerequisite to be accepted for PhD studies in electronics at Mid Sweden University is a Master's degree in technical physics, computer science, electronics or electrical engineering.

Selection: The selection will be based on your previous works (e.g. thesis work), specialization courses (e.g. in photonics/fiber optics, laser physics etc.) and through personal interviews. An appropriate background for the position would be skills in physical/material science, laser physics, atomic physics, fiber optics or equal. Additionally, your motivation, social skills and ability to communicate also of a big importance in the selection process.

Deadline: 20 March 2010

Further information: Dr. Magnus Engholm, tel. +46 70 689 57 98
(magnus.engholm@miun.se)

Application: Send the application to registrator@miun.se with the registration number "MIUN 2009/1924" to the following address: registrator@miun.se

Registrator,
Mid Sweden University,
851 70 Sundsvall,
SWEDEN.

The application should include a CV, copies of your degrees and other documents you want to include in your application.