Post Master's Research Associates in Image Science and Machine Vision Group

Measurement Science and Systems Engineering Division
Energy and Engineering Sciences Directorate
Oak Ridge National Laboratory
Oak Ridge, Tennessee

ORNL08–119–MSSE

Project Description:
The Image Science and Machine Vision (ISMV) Group within the Measurement Science and Systems Engineering Division (MSSE) of Oak Ridge National Laboratory (ORNL) has an immediate opening for a post-masters researcher in the field of retina image processing and analysis. We seek an individual with past experience in retina image processing, including quality assessment, who also has experience in software development with MATLAB, Microsoft Visual Studio, and Linux. A publication track record is highly desired.

Responsibilities:
The successful candidate will provide research and development on a retina image processing and analysis system under development at ORNL.
• Provides technical and analytical support for the development of a retina image analysis system and modeling software
• Accountable for compliance with ORNL environment, safety, health, and quality program requirements.
• Maintains a strong commitment to the implementation and perpetuation of ORNL values and ethics.

Qualifications:
• Requires a MS degree in electrical engineering, computer engineering, or computer science with a focus on retina image processing.
• Demonstrated initiative and an innovative approach to solving problems are required.
• Strong written and verbal communication skills are mandatory. The candidate must be able to present and defend work results frequently to ORNL staff, sponsors and in other technical forums.
• Strong programming skills and familiarity with multithreading software is desired.
• Skills in project engineering and project management are required.
• The candidate needs to demonstrate initiative to quickly learn and provide creative approaches to performing technical projects.

Multilingual capabilities are a plus; past experience at national laboratories is highly desired as well.

Applicants cannot have received the most recent degree more than five years prior to the date of application. Expected duration of these appointments is one year with the possibility of an extension.

Technical Questions:
For technical questions regarding the position, please contact Thomas P. Karnowski
karnowskitp@ornl.gov

How to Apply: (Interested candidates need to apply as soon as possible.)
Qualified applicants may apply online at https://www2.orau.gov/ORNL_POST/. All applicants will need to register before they can begin the online application. For complete instructions, on how to apply, please see the instructions at http://www.orau.gov/orise/edu/ornl/ornl-pdpm/application.htm. Please reference the position title and number, when corresponding about this position.

This appointment is offered through the ORNL Postdoctoral or Postmaster's Research Associates Program and is administered by Oak Ridge Associated Universities (ORAU). This appointment is open to all qualified U.S. and non-U.S. without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.