

CALLING APPLICATIONS FOR RESEARCH ASSISTANT

Project: SRC grant, RA/Ph.D. position

Non nuclear radiations including electromagnetics, acoustics noise, whole body vibrations and air quality exposure measurement in urban towns in Sri Lanka.

Successful candidate will study and gather data of non nuclear radiation in urban towns in Sri Lanka.

Develop sensors integration systems and study towards a Ph.D. ,. Also include study on non nuclear radiation measurements in public transportation mediums such as busses trishaws and trains. Also will study about electromagnetic radiation in selected locations in urban towns. Also measure the air quality in selected locations and develop remote sensing systems. Develop mathematical models for non nuclear radiation dosage absorption of humans tissue and identify radiation hotspots in urban settings. use GIS and FEM software.

Requirements:

1. B.Sc. Engineering in EEE, EE, BE, CE, ME with First class or Second upper honours.
2. Remote sensing application development over mobile networks.
3. Good knowledge in Electromagnetics, FEM, continuum mechanics and mathematics
4. Electromechanical Properties of human tissues.

Application closing date 25/12/2020. Starting date 04/01/2021

Applications should be sent to Dr. R. Wijesiriwardana
Department of Electrical engineering
University of Moratuwa

via email: rwijesiriwardana@uom.lk