Advertisement for 2 Junior Research Fellow in Indo-Norway project to design Magneto electric and Magneto caloric materials

Applications are invited from interested candidates for the post of Junior Research Fellow at the Simulation Center for Atomic and Nanoscale MATerials (SCANMAT), Central University of Tamil Nadu (CUTN) for a Research Council of Norway (RCN) and University of Oslo (UiO) funded Research Project.

About the Project: We are looking for the two Junior Research Fellows to join the SCANMAT center, CUTN to employed in the project NAMM funded by RCN and UiO. This project development of advanced magnetic materials those posses electro caloric, magneto caloric or multi caloric properties using stae of the art computational methods based on DFT, molecular dynamics and machine learning approches. Magneto caloric (MC) materials are a new class of materials useful for efficient refrigeration by replacing large GHG emitting, energy inefficient, and century-old compression–evaporation cycle refrigeration technology. The SCANMAT research group has world class facility of HPC centre with state of art softwares and expertise to model advanced functional materials useful for various energy technologies supervised by world renounced scientist Prof. P. Ravindran. The persons to be employed in the project will closely work with experimental team at UiO, Norway in this project. The research activities of SCANAMT can be found at https://folk.universitetetioslo.no/ravi/cutn/people.html. The qualified candidates may be considered for pursuing their PhD at CUTN. The duration of the project is 3 years from the joining date of JRF.

Minimum qualifications: M.Sc(Physics , Applied Physics, or relevant area with a minimum of 55% marks [50% for OBC (Non-creamy layer)/SC/ST/PWD candidates]. Candidates with qualified with CSIR-NET/GATE/JEST/INSPIRE will be given priority for the interview.

Fellowship: Junior Research Fellow: Rs. 16,000/- Per month (without HRA) for 36 months.

Number of posts: JRF: 2

Age: Maximum 28 years and relaxable upto to five years for SC/ST/OBC/WOMEN and Physically handicapped candidates.

Online link to apply: https://forms.gle/ESMYKx6S5WrdYCfm8

Last Date for Apply: June 30, 2023

Application Process: Candidates fulfilling the above qualifications are encouraged to apply using the above LINK and also can send their complete CV to scanmat@cutn.ac.in. Based on the academic merit, skills, research experience the candidates will be shortlisted for attending the online interview. The date of interview will be informed, through email, only to the shortlisted candidates.

For any further information, please contact:

Prof. P.Ravindran (Principal Investigator)

Head SCANMAT center Central University of Tamil Nadu, Thiruvarur 610005

Professor in Department of Physics

Email: raviphy@cutn.ac.in, Mobile:8300178007

Web: https://folk.universitetetioslo.no/ravi/cutn/people.html