

SSN Research Centre

Solar Energy Research Career Opportunities

SSN Research Centre, <http://www.rc.ssn.edu.in> an inter-disciplinary engineering research institution near Chennai, invites fresh graduates and experienced professionals to join pioneering teams engaged in research and development programmes in harnessing solar energy for conventional and new applications. Applied research topics presently include

- Photovoltaic thin film semiconductor devices
- Solar thermal energy conversion and power generation
- Energy storage systems for solar power harnessing
- Power electronics and smart control of solar energy systems
- Solar energy utilization technology demonstration

Technical facilities have already been established in-house for PV semiconductor devices fabrication including plasma enhanced chemical vapour deposition and ultra clean semiconductor device processing environment. A parabolic trough type solar thermal loop has also been set-up to support component research in this area. More facilities for characterization of materials and devices are being added shortly. SSN Research Centre networks with major scientific institutions in India and abroad through collaborative programmes.

Scientists and technologists with qualifications and experience as below are invited to apply:

1. **Senior Research Scientists:** Ph.D. in Physics (solid state, semiconductors), or M.E./M.Tech. or equivalent degree in engineering (Energy Systems, Electronics/Communication Engineering, Mechanical Engineering, Materials Science/Metallurgy, Chemical Engineering) with at least 8 years professional R&D experience in PV semiconductor physics/technology or Solar thermal power, energy systems modelling and design.
2. **Research Scientists:** Ph.D. in Physics (solid state, semiconductors specialization), or M.E./M.Tech. or equivalent degree in engineering (Energy Systems, Electronics/Communication Engineering, Mechanical Engineering, Materials Science/Metallurgy, Chemical Engineering disciplines). Professional R&D experience for 2 years for after completion of M.E./M.Tech. degree in areas related to research topics listed above is highly desirable for these positions. Candidates with B.Tech./B.E. degrees from IITs and other reputed institutions with exceptional aptitude for research may also be considered.

SSNRC is strongly committed to achievement of excellence in science and technology research and will provide scientific facilities of international standard, stimulating intellectual environment and freedom. Remunerations are designed to attract, nurture and retain top class talent keen on pursuing a research career in India. Application and resume should reach **Director**, SSN Research Centre by e-mail to rcoffice@ssn.edu.in before **7 July 2010**. Short listed candidates are likely to be interviewed at Chennai in mid July 2010.