Nanofiber/wires/tube Material for Water and Energy Application
Post available: Post-Doctoral or Research Fellow

Number of vacancies:
two

Duration of the research project/post:
Two year from now

Brief description of the research project
Removal of contaminants from water is extremely difficult and costly. Concurrently, it is urgently need to develop a new technology to utilize the solar energy and hydrogen to supplement our energy demand in the near future. The project is to develop a technology to fabricate a stable and photo/thermal active TiO2 nanofibers/wires/tube materials for water treatment and energy production.

Academic qualification required:
Excellent, self-motivated candidates are sought with a PhD background in either environmental/process/chemical engineering or chemistry/environmental science (or equivalent) who enjoy working in an international and interdisciplinary research team.

Requirements:
Applicant should have research experience in water chemistry, nano material fabrication and device assembling, FE-SEM, XRD, TEM and knowledge of photocatalytic oxidation, DSSC, sensor and filtration membrane processes. Hands-on experience and track-record in developing TiO2 nanofiber/wire/tube materials for removal of contaminants from water and assembling solar cell/hydrogen reactor/sensor are required.

Closing date: until fill

Information available:
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