



Scientist/Senior Scientist Secondary Ion Mass Spectrometry (SIMS) Qatar Environment and Energy Research Institute (QEERI)

The Imaging, Characterization and Analysis (ICA) group at Qatar Environment and Energy Research Institute (QEERI) invites applications for a secondary ion mass spectrometry (SIMS) scientist/senior scientist to provide excellence in the operation and maintenance of SIMS capability, support for QEERI Grand Challenges associated with energy and water (<http://www.qeeri.org.qa/>), and support for users in the SIMS capability. The SIMS capability (Ion-ToF Instrument) is part of extensive surface analysis capabilities at QEERI. The incumbent will collaborate in a dynamic, multi-disciplinary environment with material scientists, energy and water research scientists and chemists specializing in a variety of scientific research. Further, the incumbent will assist researchers in identifying and defining technical solutions and will foster scientific excellence, collaboration, and innovation, and will help build an engaged scientific culture in QEERI.

The incumbent will spend approximately half of his/her time in the operation and maintenance of the SIMS capability in a support role to various research projects. For the remainder of his/her time, the incumbent will contribute directly as a principal or contributing scientist to specific research projects. The incumbent should possess good oral and written communication skills and strong interpersonal skills. The incumbent will be expected to contribute to ideas and methods that expand on existing R&D or that develop new R&D, and will lead or contribute to the preparation of reports, papers, posters, and presentations. The incumbent must also demonstrate initiative, creativity and innovative thinking, and high tolerance for the ambiguity, dynamics, and diversity of work characteristic of a research environment.

QEERI aims to support Qatar's energy independence and water sustainability goals through state-of-the-art research. The ICA group is an integrated part of QEERI, offering imaging and analysis capabilities to support the scientific research in the areas of solar energy harvesting using advanced solar cell materials, energy storage using Li and beyond Li technologies, and water security by having access to high quality and sustainable water and environmental chemistry. ICA laboratories will house *state-of-the-art* microscopy, spectroscopy and diffraction equipment including spectrometers using x-rays, electrons and ions, property measurement systems, nuclear magnetic resonance (NMR) spectrometers and high resolution mass spectrometers. In addition, QEERI is equipped with various chemical synthesis and thin film synthesis laboratories along with catalysis, environmental chemistry, membrane development and water desalination laboratories.

Minimum Requirements and Qualifications:

Candidates must have a Ph.D. in Chemistry, Chemical Engineering, Physics, Materials Science, or a related field plus 3-5 years of relevant experience with demonstrated experience in the development of SIMS capabilities to address the scientific questions in surface and interfacial science.

Compensation:

Compensation will include attractive salary and additional benefits such as housing allowance, annual paid leave, medical insurance and others.

Interested applicants should contact: Dr. Theva Thevuthasan (Theva@qf.org.qa) or Dr. Said Mansour (Smansour@qf.org.qa).