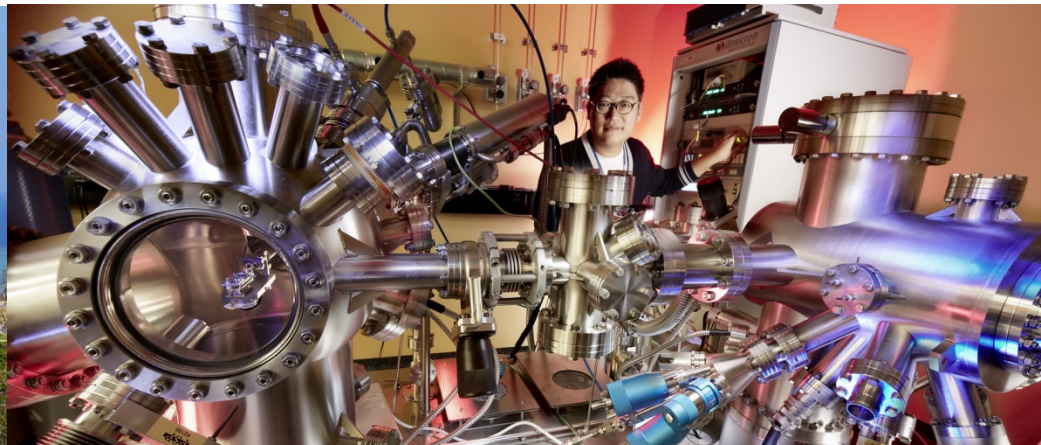


# Energy Materials and Surface Sciences (EMSS)

## Okinawa Institute of Science and Technology (OIST)



### Three Job Postings:

- (1) Postdoctoral scholar on Li-ion battery
- (2) Postdoctoral scholar on Perovskite LEDs
- (3) Postdoctoral scholar on Scanning Tunneling Microscopy

We are a research group in an international university in Japan (<https://groups.oist.jp/emssu>). We are looking for an experienced postdoctoral scholar in the field of (1) Thin film solar cells (e.g. CZTS, CIGS, perovskites, etc), or (2) Low Temperature Scanning Tunneling Microscopy / Non-Contact Atomic Force Microscopy, or (3) LED and/or OLED. Candidates with extensive research experience in perovskite solar cells, solid-state DSSCs, hybrid solar cells, organic electronics, synthetic chemistry and energy storage will be given preference. Experience in photonic crystal simulation, XRD, GIXD, flexible electronics, or roll-to-roll coating systems will be helpful for this

position. The successful candidate will perform research related to the design, synthesis, development of novel materials for high efficiency, low cost solar cells. The candidate is expected to make use of first-rate shared institute facilities including UV-Photolithography systems, e-Beam Lithography, FIB, various deposition and etching systems, HR-TEMs, SEMs, AFMs, XRFs, XPSs, XRD, Raman & FTIR Spectrometers, spectroradiometer, Physical properties measurement system and ellipsometers. The group has strong collaborations with international institutes (e.g. Princeton University) as well as industrial partners (e.g. Merck).

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**Requirement:** PhD in Chemistry, Chemical Engineering, Experimental Physics, Materials Science and Engineering, or Electrical Engineering. Research experience on perovskite solar cells and basic material synthesis skills are highly desirable.

**Starting date:** As soon as possible

Successful candidates can expect competitive salary and benefits. Compensation package will take into consideration candidates experience and background.

Applicants should email a detailed curriculum vitae, a statement of research plan, and contact information of three references to: Prof. Yabing Qi ([recruiting-yabing@oist.jp](mailto:recruiting-yabing@oist.jp)). Please cite in the application the job reference number **151212PSL**.

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**About OIST:** OIST will become a model for change in education and research with the best international graduate students, working side by side with world-class faculty in modern well-equipped laboratories. Beautifully situated on the island of Okinawa, OIST relies on a cross-disciplinary approach, with an emphasis on creativity and exchange, to offer unique, individualized graduate training. OIST is a university with no departments, eliminating artificial barriers between people working in

different fields, but many nationalities, with students and faculty being attracted from all over the world. Concentrating initially on Neuroscience, Molecular Sciences, Mathematical Sciences, Environmental and Ecological Sciences and Physical Sciences, OIST is bringing some of the best brains in the world to Okinawa to transform the way science and education is done in the global academic world ([www.oist.jp](http://www.oist.jp)).