

# Energy Materials and Surface Sciences Unit at OIST Is Inviting

## Applications of Short-term Visiting Students

Energy Materials and Surface Sciences Unit at OIST invites applications of short-term visiting student. The duration of the visit will be 3-6 months. If selected, the student will have an opportunity to study and do research at Energy Materials and Surface Sciences Unit at OIST. If the student shows good research performance and is interested in the OIST PhD program, the student can apply for the OIST PhD program with full financial support through a special procedure, which offers an expedited application process.

Energy Materials and Surface Sciences Unit Homepage: <https://groups.oist.jp/emssu>

### Successful applicants will receive the following support during the visiting period:

Daily allowance of JPY 2,400 per working day (taxable and weekends excluded)

OIST shuttle bus pass

One direct round-trip air ticket

Furnished apartment on or off campus

### Qualifications and eligibility:

- (1) Have (or will soon graduate with) a bachelor's degree majoring in physics, materials science and engineering, chemistry, or electrical engineering.
- (2) Master degree students majoring in physics, materials science and engineering, chemistry, or electrical engineering will also be considered.
- (3) Passionate about research and have a teamwork spirit.
- (4) Preference will be given to the applicant who has research experience in energy materials and devices (e.g., solar cell, lithium battery) or surface/interface science.
- (5) Preference will be given to the applicant with a strong publication record.

### Application procedure:

Interested students please email your CV to [recruiting-yabing@oist.jp](mailto:recruiting-yabing@oist.jp) (in the subject line of your email please add "JVS-210512"). If the application passes the initial evaluation, the student will be invited for an online interview and will be informed with a decision shortly after the interview.

### Introduction to Professor Yabing Qi:

Yabing Qi is currently a Full Professor and Unit Director of Energy Materials and Surface Sciences Unit at Okinawa Institute of Science and Technology Graduate University in Japan, and a Fellow of the Royal Society of Chemistry. Prior to OIST, he was a postdoctoral fellow in Princeton University. He received his B.S., M.Phil., and Ph.D. from Nanjing University, Hong Kong University of Science and Technology, and UC Berkeley, respectively. His research interests include surface / interface sciences, perovskite solar cells, lithium ion batteries, organic electronics, energy materials and devices. As corresponding author, Prof. Qi has published a total of 110+ papers including Science, Nat. Energy, Nat. Commun., J. Am. Chem. Soc., Angewandte Chemie, Energy Environ. Sci., Adv. Mater., Adv. Funct. Mater., Adv. Energy Mater., Joule, ACS Nano, ACS Energy Lett., Nano Energy. Prof. Qi is the inventor for 10+ patents/patent applications. He has delivered 90+ keynote and invited research presentations at international conferences, technical meetings

and universities. As symposium chair / organizer / co-organizer, Prof. Qi has organized 9 international symposia on perovskite solar cells, organic electronics, and functional materials.

### **Introduction to OIST:**

([https://en.wikipedia.org/wiki/Okinawa\\_Institute\\_of\\_Science\\_and\\_Technology](https://en.wikipedia.org/wiki/Okinawa_Institute_of_Science_and_Technology))

The Okinawa Institute of Science and Technology Graduate University (沖縄科学技術大学院大学, Okinawa Kagaku Gijutsu Daigakuin Daigaku, OIST) is a private, interdisciplinary graduate school located in Onna, Okinawa Prefecture, Japan. The school offers a 5-year PhD program in Science. Over half of the faculty and students are recruited from outside Japan, and all education and research is conducted entirely in English. OIST relies on public subsidies paid by the Japanese government. The government subsidy for OIST comes in two areas: a subsidy for operations and a subsidy for facilities. The PhD program is taught entirely in English and is individually tailored to each student. Students are encouraged to focus their research on cross-disciplinary areas of studies. Students are recruited through much higher levels of competition than that of the entrance examination for graduate schools of top national universities in Japan. According to a report completed by an external peer review panel in 2015, OIST is on a par with the 25 universities ranked highest by Times Higher Education, QS or Jiaotong World University Rankings in terms of physical campus infrastructure, management structure and management processes, academic program and recruitment of faculty, graduate program, instrumentation, course to research outcome, technology transfer and welfare, social, and cultural support programs. The research community consists of faculty and researchers divided into "units" based on area of study. The university has no departments—OIST researchers conduct multi-disciplinary research in Neuroscience, Physics, Chemistry, Mathematical and Computational Sciences, Molecular, Cellular, and Developmental Biology, Environmental and Ecological Sciences and Marine Science. In 2019 OIST was ranked 1st in Japan and 9th in the world by the Nature Index for the proportion of its research that is published in high-quality science journals.