

Recruitment for MSc, Ph.D., Postdoc, Research Assistant, and Visiting Students at Guangdong Technion – Israel Institute of Technology

About the University

Guangdong Technion – Israel Institute of Technology (GTIIT) is a satellite university established by the Technion – Israel Institute of Technology in collaboration with Shantou University (www.gtiit.edu.cn), locating in Shantou, China. The main Technion campus is located in Haifa, Israel and is world-renowned for its exceptional research and education. Since 2004, three faculty members in Technion received the Nobel prize, consistently ranked a top 100 university by Academic Ranking of World Universities. GTIIT fully adopts the academic system of Technion and aims to be a state-of-the-art university dedicated to innovative research, environmental conservation, and social prosperity. All incoming MSc and Ph.D. students will be formally enrolled at Technion and be co-advised by a faculty member at the Israel-based campus. MSc and Ph.D. students will spend one to two semesters at Technion, respectively, for courses, while performing research at GTIIT. With the completion of a thesis, students will receive an internationally well-recognized diploma awarded by Technion.

About the Group

Dr. Youhua Jiang will officially join GTIIT in October 2020 as Assistant Professor. This incoming group has abundant research funding and maintains collaborations with research groups all over the world. Dr. Jiang received his Ph.D. from Stevens Institute of Technology in 2018, followed by the postdoctoral fellowship at Northwestern University until 2020. Dr. Jiang specializes in Interfacial Phenomena, including various research directions such as interfacial fluid dynamics, phase-change heat transfer, colloids and interfaces, physical chemistry, and micro-/nanofabrication. Since 2017, Dr. Jiang has authored nearly 20 papers and served as a reviewer for 18 different journals (see <https://orcid.org/0000-0002-6290-7789> for details). For more details about the research of Dr. Jiang, please check The Jiang Group (<https://www.thejianggroup.com>).

Recruitment Information and Criteria

Openings

There are 3-4 openings for fully funded MSc and Ph.D. students, 3-4 openings for Research Assistants, and 1-2 Postdoctoral Fellows. Self-funded students and visiting students are also welcome.

Criteria

1. All teaching and student supervision etc. are conducted in English. Students enrolled in the Mechanical Engineering Department are required to complete the GRE (a minimum of 80% in the quantitative part and 3.0 in analytical) while those enrolled in Chemical Engineering, Material Science, etc. do not. Exceptional students without GRE scores can join the group as Research Assistants, and officially apply later.
2. Applicants should have a robust educational background in Mechanical Engineering, Thermal and Power, Aerospace, Ocean Engineering, Material Science, Chemical Engineering, Mineral Engineering, Electrical Engineering, and/or Applied Mathematics. The minimal average undergraduate scores for MSc and Ph.D. programs are 83 and 85, respectively. Completion of a Master's degree is required to apply to the Ph.D. program.

Exceptional students without a Master's degree can first enroll in the MSc program, then transfer to the Ph.D. program upon completion.

3. Applicants for the Ph.D. program should have the listed research experience:
 - a. Fluid Dynamics and/or Computational Fluid Dynamics
 - b. Thermal-Fluids and/or Thermophysics
 - c. Interfacial Phenomena, Microfluidics, and/or Soft Matter
 - d. Surface Engineering and/or Micro-/Nano-Fabrications
 - e. MEMS and/or Piezoelectric Materials

Salary and Benefits

Fully funded students: a full tuition stipend, which covers 100,000 RMB per year, will be provided; allowance for housing; a salary for Ph.D. and MSc student to be not less than 80,000 and 57,000 RMB per year, respectively (additional salary will be provided during the time at Technion).

Self-funded students: an allowance will be provided depending on the specific situation.

Postdocs: the salary and benefits depend on the specific situation (not less than 250,000 RMB per year supported by the group + supports from other sources).

Research assistant and visiting students: an allowance will be provided depending on the specific situation.

At GTIIT, you will receive rigorous scientific training, responsible mentoring, abundant academic resources, and exposure to the international research community.

Application process and procedures

Please read the specific requirements for any positions posted on the group website (<https://www.thejianggroup.com>) and contact Dr. Jiang by email (youhua.jiang@gtiit.edu.cn) with required materials. For applications of MSc and Ph.D. positions, Dr. Jiang will evaluate first, followed by the evaluation by the GTIIT recruitment office. Then, the applications will be forwarded to the co-advisor at Technion for further evaluation. The last step is the final approval by the recruitment committee at Technion. The enrollment time is flexible except for MSc program, which occurs only in March and October.