

Research, Informatics and Graduate Studies

<https://sites.gtiit.edu.cn/research/positions/gs-2020009/>

PhD and MSc Positions in Fluid Dynamics, Thermofluids, and Interfacial Phenomena – group of Assoc. Prof. Youhua Jiang (GS-2020009)

About the University

Guangdong Technion – Israel Institute of Technology (GTIIT) is a satellite university of Technion – Israel Institute of Technology, locating in Shantou, China. Technion is world-renowned for its exceptional research and education. Since 2004, three faculty members in Technion received the Nobel prize, consistently ranked as a top-100 university. All MSc and Ph.D. students are enrolled at Technion and co-advised by a Technion faculty member. MSc and Ph.D. students will spend one to two semesters at Technion for courses, while performing research at GTIIT. With the completion of a thesis, students will receive the diploma awarded by Technion.

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About the Group

Dr. Youhua Jiang is an Assistant Professor in the Department of Mechanical Engineering. Dr. Jiang received his Ph.D. from Stevens Institute of Technology in 2018, followed by the postdoctoral training at Northwestern University. Dr. Jiang specializes in Interfacial Phenomena, including various research directions such as interfacial fluid dynamics, phase-change heat transfer, colloids and interfaces, and physical chemistry. Dr. Jiang has authored nearly 20 papers in the leading journals of Interfacial Phenomena, including *Physical Review Letters*, *Applied Physics Letters*, *Langmuir*, *Soft Matter*, and *J. Colloid and Interface Science*. Dr. Jiang served on the Editorial Board of *Surface Innovations*, a JCR-Q2 Journal, and served as reviewer for 19 journals.

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Recruitment Information and Criteria

There are 3-4 openings for fully funded MSc and Ph.D. students.

Criteria

- Students enrolled in the Mechanical Engineering Department are required to complete the GRE. The Analytical Writing of GRE needs to be no less than 3.5. Exceptional students without GRE scores can join the group as Research Assistants, and officially apply later. GTIIT GRE scores are: GRE Analytical Writing: 3.5-5.0, GRE Quantitative: 150-165, GRE Verbal: 150-165.
- 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,

Program

Mechanical Engineering (Robotics)

Research Area

Fluid Dynamics, Thermofluids, and Interfacial Phenomena

Contact

Assoc. Prof. Youhua Jiang

Email: youhua.jiang@gtiit.edu.cn

Web Page Link

Application Deadline

Open till filled

Date Posted

04 Nov. 2020

Location

Guangdong Technion – Israel Institute of Technology (GTIIT), China & Technion-Israel Institute of Technology, Haifa

Fees & Finance

how to apply

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. Letters of recommendation from 3 faculty members who can evaluate the student.
4. Personal interview conducted by the Faculty Graduate Studies Subcommittee where both English language capability and academic background will be verified. Acceptance or Rejection will be determined by the committee.
5. Applicants for the Ph.D. program should have the listed research experience:
 1. Fluid Dynamics and/or Computational Fluid Dynamics
 2. Thermal-Fluids and/or Thermophysics
 3. Interfacial Phenomena, Microfluidics, and/or Soft Matter

Application procedures

Please read the specific requirements for any positions posted on the group website (<https://www.thejianggroup.com>) and contact Dr. Jiang by email (yuhua.jiang@gtiit.edu.cn) with required materials.