# Research, Informatics and Graduate Studies

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# 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 coadvised 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.

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

## Criteria????

- 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

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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

- 3. Letters of recommendation from 3 faculty members who can evaluate the student. 3[?]?]?]?]?]?]?]?
- 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

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# Application procedures???????