Graduate School, Shanghai Jiao Tong University
Email: gs.admission@sjtu.edu.cn

上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

2025 SJTU Graduate International Summer School

> Shanghai Jiao Tong University (SJTU)

Shanghai Jiao Tong University (SJTU), one of the oldest institutions of higher learning in China, enjoys world reputation as well. SJTU was founded in Shanghai, China, in 1896, with the goal of cultivating talented professionals for nation. Today, SJTU has become one of the world's top 100 universities and a key university directly under the administration of the Ministry of Education (MOE) of the People's Republic of China and co-constructed by MOE and Shanghai Municipal Government. SJTU ranks among the top 3 nationally and top 50 globally. SJTU is currently comprised of 6 campuses with more than 300 hectares.

SJTU faculty includes 3,887 full-time teachers (among which 1,157 are professors), 30 members of the Chinese Academy of Sciences, and 25 members of the Chinese Academy of Engineering, with 34 schools/departments, 13 affiliated hospitals, 13 affiliated research institutes, 23 directly affiliated units and 5 directly affiliated enterprises.

As a comprehensive, research-oriented, and international top university, SJTU offers a wide range of degree and non-degree programs to students all over the world, and is looking forward to your joining.

Official Website: http://en.sjtu.edu.cn

> A Glance of SJTU

> SJTU Graduate School

SJTU began to offer post-graduate education in 1931, and established the Graduate School in 1984. Since then, more than 110,000 Master's or Doctoral Degrees have been awarded. SJTU has set up a complete post-graduate education and degree-awarding system, offering degree programs at both the master's & doctoral levels in a great number of academic areas encompassing engineering, sciences, humanities and social sciences. Currently, SJTU has 18,004 full-time undergraduate students, 31,599 full-time graduate students, and 9,329 part-time graduate students. The university hosts 2,657 international degree-seeking students, with the annual number of international students, including degree-seeking students, exchange students, and summer program participants, reaching 5,090.

For more information, please visit: http://en.gs.sjtu.edu.cn

Top1%
21 disciplines ranked in ESI's top 1% in 2022.

Top3
University Ranking in China

58
2023 CNS articles Published

45
QS World University Rankings

38
ARWU Rankings

43
The World University Rankings

1553
Projects of National Natural Science Foundation ranked 1st for 12 consecutive years

11044
SCI Publications in 2024

SJTU enjoys an increasingly high scientific research level and technological innovation level. In the recent 2 decades, SJTU led the country for the 12th consecutive year in terms of both the number of projects and the amount of funds received from the National Natural Science Foundation of China. In 2023, the number of CNS papers hit a historical high with a total number of 58. Disciplines Ranking Top 1% in the World ESI, 1553 NSFC Program, 11044 SCI Paper, SJTU is encouraging talents all over the world.

SJTU also prioritizes the quality of its campus facilities, such as libraries, student innovation centers, laboratories, and sports facilities. Committed to education through culture, SJTU has integrated traditional Chinese culture into the campus culture development and has won a series of awards, such as the ACM world Championship, the iGEM Competition, and the MCM/IMC Contest. SJTU took the lead in organizing a variety of activities nationwide and had excellent performances in sports events, drama, symphony orchestra, and other similar activities.

Carrying forth the mission of preserving cultural heritage, seeking truth, bearing the responsibility of invigorating the Chinese nation and all humankind, today, this centennial university is sailing towards the goal of becoming a comprehensive, innovative, and internationalized world-class university. Shanghai Jiao Tong University belongs to China, but more so, it belongs to the world.

> International Graduate Programs

Upholding the SJTU tradition of "high starting point, solid foundation, strict requirement, emphasizing practice, and pursuing innovation", the Graduate School has cultivated various kinds of excellent talents to meet the needs of the country.

Each year SJTU admits students from nearly 100 countries, and more than 2000 international students are studying on campus. Its 34 colleges and schools offer more than 100 graduate programs to international students, and 92% of these programs can offer English-taught curriculums. Generally, these programs cover almost all academic disciplines. For more detailed information, please visit http://isc.sjtu.edu.cn/ or http://en.gs.sjtu.edu.cn/.

Engineering

Biomedical Engineering
Chemistry and Chemical Engineering
Electronic, Information and Electrical Engineering
Environmental Science and Engineering
Mechanical and Power Energy Engineering
Materials Science and Engineering
Naval Architecture, Ocean and Civil Engineering
Aeronautics and Astronautics
Smart Energy
Artificial Intelligence
Architecture

Humanities and Social Sciences

Design
Economics and Management
Foreign Languages & Linguistics
Humanities & Liberal Arts
Finance
International and Public Affairs
Law
Media and Communication
Education
Science of Physical Culture and Sports
Chinese Language & Literature; MTCSOL
Chinese History & Philosophy

Sciences

Chemistry and Chemical Engineering
Computer Science
Mathematical Sciences
Marine Science
Physics and Astronomy
Oceanography

Life Sciences

Agriculture and Biology
Life Sciences and Biotechnology
Medicine
Pharmacy

Joint Institute

UM-SJTU Joint institute
USC-SJTU Institute of Cultural and Creative industry
China-UK Low Carbon College
SJTU-ParisTech Elite Institute of Technology

SJTU also provides some special Master programs that are specifically tailored toward the market and offer English-taught curriculums. Here list the special Master programs.

Business & Management

Master of Finance
Master of International Business
International MBA Program
China's Politics & Economy
China's Public Policy

Liberal Arts & Sciences

New Media Studies
Modern Chinese Studies
Program in Chinese Law
Design+

Graduate International Summer School

Shanghai Jiao Tong University launched the Graduate International Summer School in 2013, which covers a wide range of specialties instructed by faculties from SJTU as well as other world leading institutions. The summer school is an ideal opportunity for students from different parts of the world to explore new subject areas, get immersed in state-of-the-art laboratories and make new friends. Students can take courses from various specialties, while attending workshops, field trips and study tours.
2025 SJTU Graduate International Summer School (ISS) consists of 16 individual programs as follows:

Programs

Time

The Graduate International Summer School of 2025 will be held from May to August. The specific time arrangement varies with the program. Please refer to the description of each program for detailed information.

How to Apply

The 2025 SJTU Graduate International Summer School will be held both online and offline. For details, please refer to each program. Applicants are suggested to check the program website or contact the program manager in advance to know specific application requirements and procedures. Usually, applications of international students should be made through:
http://apply.sjtu.edu.cn.
The following materials might be required:

- A scanned copy of the information page of your passport. The passport must be valid for at least 6 months for the visa application
- ID photo (similar to a passport photo)
- Personal resume
- Language proficiency certificate (if available)
- Motivation letter (if available)
- Transcripts (if available)

For domestic students or for programs with additional requirements (e.g. to apply through emails or another online application system), please follow the requirements of the specific program.

Financial Support

Some programs provide financial support to successful applicants by ways of tuition waiver, or free local lodging, or both. Please refer to description of each program or contact the program manager for detailed information.

The 10th "Zhi-Hong" International Summer School on Advanced Materials (ISS-AM)

— Future Materials

Organizer: School of Materials Science and Engineering, Graduate School (Shanghai Jiao Tong University)
Time: June 30-July 13, 2025
Venue: Minhang Campus of SJTU
Theme: Future Materials

> Program Overview

The "Zhi-Hong" International Summer School of Advanced Materials (ISS-AM) is hosted by the School of Materials Science and Engineering (SMSE) at Shanghai Jiao Tong University (SJTU), with the aim of facilitating the interactive cultural and academic exchanges between top-notch scholars and students globally. The ISS-AM is named "Zhi-Hong" not only to honor the school's founder, Professor Zhihong Zhou, but also to motivate the summer school participants as "Zhi-Hong" in Chinese implies "having great ambitions". The "Zhi-Hong" ISS-AM is a two-week program with a specific theme each year. The theme for 2025 is "Future Materials". In the last nine years, the 1st to 9th editions of the "Zhi-Hong" ISS-AM have been successfully organized. A total of 186 foreign students from more than ten countries and 237 outstanding Chinese students have been selected to participate in these nine events. Numerous renowned experts and scholars from SJTU and international institutions such as Harvard University, Northwestern University, The Ohio State University, University of Cambridge, KTH Royal Institute of Technology, Osaka University, and Monash University have been invited to deliver academic lectures. Join the "Zhi-Hong" International Summer School at SJTU for a once-in-a-lifetime opportunity! You will broaden your horizons and make new friends with peers from across the world while studying at one of the top universities in China.

> Introduction to SMSE

Materials Science and Engineering (MSE) program in SJTU:
ranked No. 25 in 2024 QS world university.
ranked No. 12 in 2024 USNews world university.
authorized as the first-class National Key Discipline since 2007.
listed in world top 1‰ discipline of ESI in 2024.

> Eligibility

Graduate and senior undergraduate students majored in Materials Science and Engineering (MSE), or any other majors related to MSE, such as mechanical engineering, physics, and chemical engineering, are eligible. A total of 40 domestic and overseas participants will be recruited.

> Activities

1) Academic lectures
2) Poster shows
3) Colorful trips
4) Student seminars
5) Cultural activities
6) Special programs

> About Faculty

The lecturers will be from:
USA: Harvard University, Northwestern University
EU: KTH Royal Institute of Technology (Sweden)
UK: University of Cambridge
ASIA: Nanyang Technological University (Singapore)
China: Shanghai Jiao Tong University

For most updated list of confirmed lectures, please visit the website of "Zhi-Hong" ISS-AM:
https://smse-iss.sjtu.edu.cn/

> Fees & Scholarships

Tuition: 3000 RMB (about $430)
Which covers half accommodation, cultural activities and field trips.(Participants are required to purchase travel insurance in their own country BEFORE coming to China.)
Type A: "Zhi-Hong Future" Scholarships
Amount: 8000 RMB/person
Number: 5
Each "Zhi-Hong Future" scholarship covers the tuition fee (3000 RMB) and part of the international travel costs up to 5000 RMB/person.
Type B: "Zhi-Hong Excellence" Scholarship
Amount: 3000 RMB/person
Number: more than 85% of the enrolled participants
Each "Zhi-Hong Excellence" scholarship covers the tuition fee (3000 RMB).

> How To Apply

For international students: apply online at http://apply.sjtu.edu.cn
For Chinese students: The applications should be submitted via email to Ms. **ZHANG at zh_iss@sjtu.edu.cn**.
The application materials include
1) an application form, 2) a CV, 3) academic transcripts, 4) an IELTS/TOEFL/CET6 score certificate or any other certificate demonstrating competency in English (waived for native English speakers), 5) a one-page personal statement.
Application deadline: May 12, 2025
Selection results will be notified by email to the applicants at the end of May 2025.

> Program Agenda (Tentative)

Day	Time	Event
1	Jun29, Sun	Registration
2	Jun 30, Mon	Opening Ceremony, Ice-break, Campus Tour
3	Jul 1, Tue	Lectures, Special Program
4	Jul 2, Wed	Lectures, Fun Sports Meeting
5	Jul 3, Thu	Lectures, Dragon Boat Lesson
6	Jul 4, Fri	Group Discussions, Field trip
7	Jul 5, Sat	Culture Activities
8	Jul 6, Sun	Free Time
9	Jul 7, Mon	Lectures, Cultural Festival
10	Jul 8, Tue	Lectures, Gongfu Lesson
11	Jul 9, Wed	Lectures, Field trip
12	Jul 10, Thu	Lectures, Group Discussions
13	Jul 11, Fri	Group Presentation, Awards & Closing Ceremony
14	Jul 12, Sat	Leave Shanghai

Website
https://smse-iss.sjtu.edu.cn/

Contacts
Coordinator: Renlei ZHANG
Email: zh_iss@sjtu.edu.cn
Tel: +86-21-54747664
Address: Room 4003, Xuzuyao Building, School of Materials Science and Engineering, Shanghai Jiao Tong University, 800 Dongchuan Road, 200240, Shanghai

"Ocean Dreams"-2025 International Summer School

Organizer: The School of Ocean & Civil Engineering, Graduate School, National Graduate College for Elite Engineers (Shanghai Jiao Tong University)
Time: From July 21 to August 3, 2025
Venue: Shanghai Jiao Tong University's Minhang campus
Theme: Ocean Dreams

> Program Overview

No.	Date	Event
1	July 20 Sun	Registration
2	July 21 Mon	Opening Ceremony & Lectures
3	July 22 Tue	Lectures
4	July 23 Wed	Visiting Minhang Campus and Laboratory
5	July 24 Thu	Lectures
6	July 25 Fri	Visiting Xuhui Campus and Museum
7	July 26 Sat	Day Off
8	July 27 Sun	Day Off
9	July 28 Mon	Lectures
10	July 29 Tue	Visiting Corporation
11	July 30 Wed	Mechanics Experiment Course
12	July 31 Thu	Student Reports
13	Aug 1 Fri	Posters and Student Seminars
14	Aug 2 Sat	Cultural Exploration
15	Aug 3 Sun	The End

> About Faculty

The School of Naval Architecture, Ocean & Civil Engineering at Shanghai Jiao Tong University offers disciplines in Shipbuilding & Ocean Engineering, Mechanics, Civil Engineering, and Transportation Engineering. It includes two "Double First-Class" disciplines, two national key disciplines, three first-level disciplines granting doctoral degrees, two professional doctoral degrees in engineering, and three postdoctoral research stations. The school hosts several nationally and provincially supported research platforms, including the National Key Laboratory of Ocean Engineering, the Ministry of Education's Key Laboratory of Hydrodynamics, and the Key Laboratory of Marine Intelligent Equipment and Systems, among others. The school aligns with national strategies such as "Marine Power" and "Transport Power," and actively engages with the "Belt and Road" initiative to enhance its technological innovation capabilities and promote fundamental research and the development of key technologies and major equipment.

> Highlights

The program is characterized by its international focus, cutting-edge content, and interdisciplinary approach, relying on high-quality faculty and research resources from Shanghai Jiao Tong University and its partner institutions. It provides a platform for academic exchange and collaboration for experts, scholars, and students from both domestic and international institutions. The summer school aims to cultivate interdisciplinary talents and promote international collaboration.

> Activities

Academic Lectures: Renowned experts and scholars will deliver lectures on the latest research and trends in shipbuilding and marine engineering, mechanics, civil engineering, and transportation engineering. Topics will cover areas like green ship design, marine renewable energy, structural mechanics, engineering mechanics, and intelligent marine technologies.
Site Visits: Participants will visit Shanghai Jiao Tong University campus, museums, the National Key Laboratory of Ocean Engineering, and leading enterprises.
Student Seminars: Students will be divided into research groups to discuss a specific topic and present their findings. The "Best Team Award" will be given by an expert panel.
Experimental Courses: Marine engineering and mechanics experiments will be conducted in groups, involving experimental design, hands-on operation, data collection, and data processing.
Poster Presentations: Each participant will create and present a poster related to their current research. An expert panel will select the "Excellent Poster Award."
Cultural Exploration: Students will visit historical landmarks in Shanghai, the Maritime Museum, and experience the charm of Chinese culture.

> Eligibility

Master's and PhD students, and senior undergraduates (3rd year and above) from disciplines including Marine and Ocean Engineering, Mechanics, Civil Engineering, Transportation Engineering, and related fields, worldwide.

> Application (Procedure, deadline)

Application deadline: May 12, 2025

> Apply methd

For international students:
apply online http://apply.sjtu.edu.cn, following the process in the following QR code ;

For Chinese students: https://wj.qq.com/s2/19628929/5f3e/
(Email applications not accepted).

Website
https://mp.weixin.qq.com/s/8TPv2UEo20MrEjPkkZaxlg

Contacts
Coordinator: Wang Peng
Email: wp6726454@sjtu.edu.cn
Address: Room B431, Mulan Building, 800 Dongchuan Road, Minhang District, Shanghai Jiao Tong University

2025 International Joint Graduate Course on Sustainable Energy

Organizer: University of Maryland, School of Mechanical Engineering(Shanghai Jiao Tong University), Graduate School(SJTU), National Graduate College for Elite Engineers (SJTU)
Time: July 21 - August 1, 2025
Venue: College Park, Maryland, USA
Theme(s): Sustainable Energy Conversion & the Environment

Program Overview

The program is co-organized by Shanghai Jiao Tong University, Waseda University, Korea University, University of Maryland, and Hamburg University of Technology, aiming at promoting academic exchange between Chinese, Japanese, Korean, American and German universities in the field of sustainable energy. Renowned professors and scholars from the five universities will jointly teach graduate courses on cutting-edge knowledge in the field of sustainable energy. Topics will be developed in group work by the students. Grading is based on homework projects and presentations, for two assignments (Final selection of topics will be made jointly in class).
The A. James Clark School of Engineering, University of Maryland is consistently ranked among the world's top engineering schools. Its academic programs offer endless opportunities to explore, and its location near Washington, D.C., gives students access to federal research labs and major technology corporations to land internships and jobs.

Highlights

>Understand technologies for sustainable energy production, conversion and utilization.
>Understand limitations and opportunities.
>Gain experience in challenges and opportunities in designing sustainable energy systems.
>Develop your own vision for a future sustainable energy scenario.

About Faculty

Instructors are faculty members from each of the five participating universities, including Shanghai Jiao Tong University, Waseda University, Korea University, Hamburg University of Technology, University of Maryland, as well as visiting experts from Chinese industry, will guide the students.

Activities

The students will attend classes for 8-hours per day, for 12 days. A typical class day will include a diverse range of activities, including lectures, in-class projects, homework assignments, field trip and cultural trip. Please refer to the following Table for further details.

Day	Time	Event
1.	Monday, July 21	Opening Ceremony, Lectures
2.	Tuesday, July 22	Lectures
3.	Wednesday, July 23	Lectures
4.	Thursday, July 24	Group Presentation
5.	Friday, July 25	Field trip
6.	Saturday, July 26	Campus Tour
7.	Sunday, July 27	Cultural Activities
8.	Monday, July 28	Lectures
9.	Tuesday, July 29	Lectures
10.	Wednesday, July 30	Lectures
11.	Thursday, July 31	Group Presentation
12.	Friday, August 01	Field Trip

Eligibility

Graduate students from Shanghai Jiao Tong University, Waseda University, Korea University, University of Maryland, and Hamburg University of Technology, major in sustainable energy.

Application (Procedure, deadline)

(1) For international students: please apply online at http://apply.sjtu.edu.cn no later than April 29th, 2025.
(2) For Chinese students: please submit application materials to xuzhy@sjtu.edu.cn & xuyixin@sjtu.edu.cn no later than April 29th, 2025.

Website: https://me.sjtu.edu.cn/index-tzgg/76501.html
Contacts: Prof. Zhenyuan Xu, xuzhy@sjtu.edu.cn
Ms. Nikki Xu, xuyixin@sjtu.edu.cn, +86-21-34205875

The 10th SEEEP PhD Summer School Energy, Industry and AI: Affordable Energy and Technological Transformation

Organizer: School of Mechanical Engineering, Graduate School, National Graduate College for Elite Engineers (Shanghai Jiao Tong University)

Time: 2025.8.17-23 Shanghai Jiao Tong University, 2025.8.24-30 Zhejiang University

Overview

The CLUSTER Doctoral Schools are organized within the Sino-EU Engineering Education Platform and SESE Doctoral Schools for Sustainability Engineering. The High Level Summer School on Energy bring professors & PhD candidates from the highest level together to come up with solutions to the grant societal challenges, such as resilient production and storage, renewable energy technology, sustainability, energy demand flexibility, energy grids, and energy and AI.

Characteristics

The yearly 2-week Energy PhD school organized by SJTU Shanghai China, ZJU Hangzhou China, KTH Stockholm Sweden and TU/e Eindhoven Netherlands will have the theme "Energy, Industry and AI: Affordable Energy and Technological Transformation". The PhD school aims at developing multi-disciplinary skills of PhD students related to system engineering, design thinking, team working, presentation skills, and peer learning.

Organizing Partners

The organizing partners will invite 17 participating professors, including 7 professors from foreign universities. The Summer PhD school is planned to run for two weeks, one week in Shanghai and one in Hangzhou.

Cost and Scholarship

Accommodations and meals are provided by SJTU and ZJU. Travel fees are provided by each school conventionally. Other fees are pay by themselves.

Activities and Schedule

The summer school is organized by the combination of lecture, seminar, workshop, field trip and study tour. The format of the school would be starting lectures by well-known scientist from our community. During the first week the PhD candidates work in groups on concepts/challenges to a specified assignment. At the end of the week the concept will be presented to design critics. The concepts will be studied on feasibility the 2nd week, leading to the final presentation.

Participants

60 PhD's from different Chinese and European Universities. The school will be part of the cooperation of the European network of technical universities, CLUSTER and the Chinese Network, called the Sino European Engineering Education Platform. The school will be advertised through our networks. The organizing universities have 10 seats each for PhD students. Other Universities of the networks, both European and Chinese, are cordially invited to send in professors and students.
The PhD-candidates will be assessed on skills to independently penetrate a complex challenge in a team and provide a solution.

Additional assessed skills

Teamwork in transdisciplinary context;
Teamwork in multicultural context;
Presentation skills

Application

Please submit your application to evankhang@sjtu.edu.cn no later than June 30, 2025.

Website
https://me.sjtu.edu.cn/index-tzg-g/76630.html

Contact & more information
Yanjun Dai—SJTU
+86-21-34204358—yjdai@sjtu.edu.cn
Evan Khang—SJTU
+86-17838187719—evankhang@sjtu.edu.cn

International Summer School for STEM Education 2025

Innovation × Sustainability: STEM Changemakers

Organizer: The School of Education, Graduate School (Shanghai Jiao Tong University)
Time: June 23–27, 2025

Program Overview

The School of Education at Shanghai Jiao Tong University (SJTU) takes pride in launching the first International Summer School for STEM Education in 2025. With the theme "Innovation × Sustainability: STEM Changemakers," this program is dedicated to promoting global collaboration among top scholars, educators, and students, while also driving forward the internationalization of STEM education. Through academic lectures, hands-on workshops, and cultural immersion activities, participants will acquire cutting-edge knowledge, practical skills, and cross-cultural perspectives on the future of STEM education.

Key Features

World-Class Academic Excellence

Interact with globally renowned experts through lectures covering STEM education trends, innovative teaching methods, and technology integration.

Hands-On Learning & Innovation

Design STEM projects in mentorship-guided workshops and compete for the "Outstanding Team Award".

Visit SJTU Innovation Labs, STEM-oriented high schools, and tech enterprises to explore China's advancements in STEM fields.

Cultural Immersion & Networking

Immerse yourself in traditional Chinese culture through campus tours, historical site visits, and interactive cultural activities.

Network with peers from diverse backgrounds, with priority given to applicants from McGill University and Nanyang Technological University.

Program Structure

Academic Activities

Lectures: Led by top scholars at home and abroad, they focus on the development trends of "E-STEM" education, innovative teaching methods, and the application of educational technology.

Workshops: Collaboratively design STEM solutions to address real-world challenges.

Field Visits

SJTU Student Innovation Center, STEM Model High Schools in Shanghai, and the National Field Scientific Observation and Research Station for the Changes and Comprehensive Management of the Ecological Environment in the Yangtze River Delta Region in Shanghai: Observe the application of AI in education and understand the development of Chinese STEM education on - site.

Leading STEM Enterprises in Shanghai: Observe the application of AI in education.

Cultural Engagement

Explore iconic landmarks in Shanghai and SJTU's campus heritage sites.

Student Presentations

Present individual research posters or group projects for evaluation for the award.

Application Details

Eligibility:

Open to 30 - 40 graduate students (master's/PhD) from around the world majoring in education, STEM education, education technology, or related fields, with no less than 9 - 12 international students.Preference will be given to applicants from partner institutions.

Deadline: June 1, 2025

How to Apply:

For overseas students: Apply online at http://apply.sjtu.edu.cn. Make sure to purchase insurance before arriving in Shanghai.

For domestic students: Submit application materials via the link https://wj.sjtu.edu.cn/q/-Jnic4p2L

Fees & Scholarships:

Included: Course materials, field trip expenses and meals.

Self-Funded: Travel costs, accommodation, and insurance.

Admission Notification:

Admissions are reviewed in a timely manner according to the application situation and offers are sent out in phases until all slots are filled. Accepted applicants must confirm their participation within required days of receiving the acceptance notice.

Contact Information

Ms. Chen
Email: rosie_chen@sjtu.edu.cn

Tentative Schedule

Date	Morning (9:00–12:00)	Afternoon (14:00–17:00)
Mon, Jun 23	Opening Ceremony Project Introduction - Icebreaking & Team Building Keynote Lecture "Future Education Trends & STEM Education"	Cultural Tour - Visit the Wenbo Building on SJTU Campus and Watch the Dragon Boat Race
Tue, Jun 24	Keynote Lecture "E - STEM Education" E - STEM Green Education Workshop	Field Visit (1) National Field Scientific Observation and Research Station for the Changes and Comprehensive Management of the Ecological Environment in the Yangtze River Delta Region in Shanghai Workshop Practice (1) - Group Design of STEM Education Projects (Mentor - Guided), Group Project Discussion and Plan Formulation
Wed, Jun 25	Keynote Lecture "SDG - Education"	Field Visit (2) STEM - related Enterprises in Shanghai - Experience the Integrated Application Scenarios of Artificial Intelligence and STEM, and STEM Model High Schools in Shanghai to Observe STEM Curriculum Design and Teaching Practice
Thu, Jun 26	Keynote Lecture "STEM Education in the UK and Informal Learning"	Keynote Lecture "STEM Education in the UK and Informal Learning"
Fri, Jun 27	Workshop Practice (2) - Group Design of STEM Education Projects	Result Presentation, Expert Review and Awards Selection Closing Ceremony and Awards Ceremony - Play the Project Review Video

Note: The schedule is subject to minor adjustments. Final details will be provided upon admission.

Join us to shape the future of STEM education while experiencing the harmonious blend of innovation, sustainability, and Chinese culture!Shanghai Jiao Tong University – Where Global Minds Converge.

2025 Summer Program in Chinese Law

Organizer: KoGuan School of Law, Graduate School (Shanghai Jiao Tong University)
Time: 30th June 2025 - 13th July 2025
Venue: 206 KoGuan School of Law, Shanghai Jiao Tong University (Xuhui Campus)

> Program Overview

In June 2002, KoGuan School of Law, SJTU was established, marking a new era in legal education. With great support from the university as well as the community, KoGuan School of Law has successfully made a break-through in the development of law in the context of a Science & Engineering-dominated environment. KoGuan School of Law is known for its law education of high quality and academic research, as well as for its excellent professors and international atmosphere. KoGuan School of Law has been ranked in the top 100 in the QS World University Rankings by Law Subject since 2012, all ranked in the top 50 in the QS and THE rankings for 2025, making it one of the fastest-growing law schools in mainland China.

This Program includes lectures and field visits focusing on various aspects of Chinese law. It consists of three hours of teaching per day on weekdays and a minimum of three field excursions. The field excursions included: visiting famous companies, visiting arbitration institutions, sightseeing in the neighborhood, experiencing Chinese culture, and many other enriching activities.

> Intended Faculty

Huang Hui, Professor in the Faculty of Law, The Chinese University of Hong Kong.

Thomas P. Gallanis, Allison and Dorothy Rouse Chair in Law; Executive Director, Global Wealth Management Project.

Du Ming, Professor of Transnational Law and the Co-Director of Global Policy Institute.

Shen Wei, Professor of KoGuan School of Law, SJTU.

Hu Jiaxiang, Professor of KoGuan School of Law, SJTU.

Hou Liyang, Professor of KoGuan School of Law, SJTU.

Zheng Ge, Professor of KoGuan School of Law, SJTU.

Xu Xiaobing, Associate Professor of KoGuan School of Law, SJTU.

He Juan, Associate Professor of KoGuan School of Law, SJTU.

> Program Schedule

Date	Morning	Afternoon
6.30	Registration & Check-in	-
7.1	Welcome Ceremony	School Activity
7.2	Law Course	Field Excursion
7.3	Law Course	Chinese Culture Activity
7.4	Law Course	Field Excursion
7.5-7.6	Cultural Activity	-
7.7	Law Course	Chinese Culture Activity
7.8	Law Course	Field Excursion
7.9	Law Course	Chinese Culture Activity
7.10	Law Course	Field Excursion
7.11	Law Course	Chinese Culture Activity
7.12	Academic Lecture	Student Activity
7.13	Departure	-

> Eligibility

Outstanding undergraduate law students, LLM and JD students worldwide.

> Application

Online Application: http://apply.sjtu.edu.cn
Application Deadline: 31 May 2025

Contacts
Yang Jiancheng, yangjc@sjtu.edu.cn.
Dong Xiaoyang, x.y.dong@sjtu.edu.cn

Website
https://en.law.sjtu.edu.cn/ISP.html

"The Largest and the Smallest" SJTU Physics International Summer School

Organizer: Zhiyuan College and the Tsung Dao Lee Institute (TDLI), Graduate School (Shanghai Jiao Tong University)

Time: from July 7 to 18, 2025

Organizers

Zhiyuan College: A Cradle for Elite Talents

Zhiyuan College, founded in 2010, is directly funded by Ministry of Education, China. It is an undergraduate institute within SJTU that provides an elite-education for the top 10% undergraduate students and bear a mission to train them to become future leaders in science and technology. In 2016, its "Curiosity-Driven Initiative Learning" project won the "Cultivating Curiosity Award" and "Natural Sciences Award" at the Education Innovation Conference of the 3rd Global "Reimagine Education 2016", which was jointly held by Wharton School of Business, University of Pennsylvania and International Education Rating Organization QS. In 2024, Zhiyuan College was recognized as one of the National Advanced Organizations in Education.

TDLI: A Highland for Research and Innovation

Proposed by the Nobel laureate Tsung-Dao Lee and with support and endorsement from governments and ministries at national and municipal levels, Tsung-Dao Lee Institute (TDLI) is a basic research institute established at Shanghai Jiao Tong University in November 2016, aiming to build itself as a world-leading science institute. By bringing the research to extreme environments or creating extreme conditions, TDLI strive to explore and control exotic and extreme states of matter with extreme detection methods. Eying on the greatest unsolved mysteries of the universe, TDLI is pledged to systemically assemble the teams of close to 100 scientists to carry out pioneering research and collaboration on particle and nuclear physics, astronomy and astrophysics, and condensed matter.

Courses & Seminars

Astrophysics of Compact Objects, Transients and Exoplanets

Instructor: Lai Dong

Course content: Compact objects (white dwarfs, neutron stars and black holes) are the end states of the evolution of normal stars. They are associated with some of the most exotic phenomena and environments in the universe. They have been observed in all electromagnetic wave bands and in gravitational waves. Their strong gravities, high densities and magnetic fields provide a unique avenue for exploring physics under extreme conditions. On the other hand, many Sun-like stars have been found to host planets. These "exoplanets" have diverse properties and often quite different from the solar system counterparts. Their extreme properties challenge our understanding of planet formation. The studies of compact objects and exoplanets constitute some of the most exciting areas of astrophysics research.

This mini-course will review the basic physics and astrophysics of compact objects, and various time-domain transient phenomena associated with them (e.g. supernovae, gamma ray bursts, tidal disruption events). Contemporary research topics will be introduced along the way. The course will also review some current observational puzzles related to exoplanets, and the physics needed for their understanding.

Elementary Particle Detection

Instructor: Liu Jianglai

This short survey course provides an overview of particle astrophysics—a field that employs elementary particles to explore fundamental questions in astrophysics and cosmology. The curriculum begins with foundational concepts, including the properties of elementary particles, their interaction processes, and relevant detector technologies. Building on this groundwork, the course delves into key unresolved challenges in the field, such as:

- What is the nature of dark matter?
- How do the fundamental properties of neutrinos influence the evolution of the universe?
- What is the origin of the ultrahigh energy cosmic rays?

Students will engage with global experimental efforts addressing these questions, gaining insight into cutting-edge research methodologies. To reinforce learning, periodic quizzes will incorporate hands-on, back-of-the-envelope calculations and concrete examples. Additionally, laboratory tours will connect theoretical concepts to real-world applications, offering students a tangible understanding of experimental practices in the field.

Geometric phase in solid state physics

Instructor: Niu Qian

Course content: Geometric phase (Berry phase) is one of the most fundamental concepts in condensed matter physics. Together with the band structure, it can connect the microscopic crystal structure with the macroscopic physical properties. Therefore, it has inspired the study of the topological phase and led to a systematic re-formulation of
the solid state physics.

In this set of lectures, we offer a concise introduction of the Berry phase effect in solid state physics. Lecture 1 is an overview of the Berry phase effect, with the concept of parallel transport explained in detail. Lecture 2 introduces the semiclassical dynamics theory which is an intuitive and systematic way to include the Berry phase effect in solids. The generalization of this theory up to second order is also discussed, leading to the intrinsic nonlinear Hall effect. In lecture 3, we will discuss the adiabatic pumping effect and the semiclassical transport theory, with the nonlinear Hall effect from the Berry curvature dipole explained in detail. In lecture 4, we will discuss how to calculate equilibrium response functions, with special attention paid to the magnetic properties.

Subjects of Seminars

In addition to the courses, the Summer School also features a series of seminars, with topics including

-Direct Dark Matter Detection
-Deep Sea Neutrino Telescope
-Muon Physics
-Origin of Mass
-Dark Photons and Dark Matter
-Exoplanets and Alien Civilizations
-Black Hole Imaging
-Quantum Atmosphere
-Superconductivity
-Quantum Computing
-Quantum Materials and new states of matter
-Large Scale Structural Evolution of the Universe
-Laboratory Astrophysics
-Axion Dark Matter
-AI for Physics

Activities

In addition to hard-core academic programs, the summer school also arranges a variety of recreational extracurricular activities!

Instructors


Anothy Zee (professor)


Dong Lai (professor)


Jianglai Liu (Professor)


Qian Niu (professor)

Logistics

Tuition and housing are free, but students are responsible for meals and personal expenses.

Dining: Dining options are accessible in the building of TDLI.

Insurance: Admitted students must provide proof of personal accident insurance that covers the entire duration of the summer school before July 7, 2025.

Contact: binglisjtu@sjtu.edu.cn (Ms. Bing Li, Zhiyuan College, SJTU)

Housing: During the summer school, students will be accommodated at the Ji Hotel (Shanghai Zhangjiang Jinke Road Branch), which is about 900 meters from the Tsung-Dao Lee Institute (1 Lisuo Road, Pudong New Area, Shanghai), approximately an 12-minute walk.

Contacts

binglisjtu@sjtu.edu.cn (Ms. BingLi, Zhiyuan College, SJTU)

“Brain Facts and Future Health” 2025 SJTU International Summer School

Organizer: Global Institute of Future Technology, Graduate School (Shanghai Jiao Tong University)
Time: June 23 – July 6, 2025

Summer School Overview

The International Summer School of "Brain Facts and Future Health," hosted by the Global Institute of Future Technology of Shanghai Jiao Tong University, focuses on brain science and future health technologies. It aims to cultivate students' interest in these fields and enhance their research innovation capabilities through lectures, seminars, workshops, project research, organizations visit, and cultural excursions.

Target Participants

“ Undergraduates and Graduates” with interest of the summer school's topics Final participants will be selected by an expert committee composed by professors from the Global Institute of Future Technology of Shanghai Jiao Tong University, depending on applicants' comprehensive qualifications.

Core Highlights

Dual-track Curriculum System:
Pioneering "Brain Science In-depth Exploration × Future Health Multidimensional Expansion" framework. Focusing on systematic deconstruction of neural circuits, brain-computer interfaces, and other key domains. Expansion on Interdisciplinary integration of digital healthcare, AI diagnostics, and other cutting-edge fields.
Industry-Research Integration Practices:
Customized industry visits to institutions including United Imaging Healthcare and Shanghai Sixth People's Hospital, with in-depth decoding of China's healthcare innovation ecosystem through corporate mentor seminars and clinical scenario observations.
Elite Pathway:
Junior undergraduates demonstrating outstanding performance through multi-dimensional evaluations will be granted direct interview eligibility for the 'GIFT Summer Challenge Camp'.

Past Events Review



Faculty Profiles

Paul Frankland, Fellow of the Royal Society of Canada, Professor at the University of Toronto
Dr. Frankland holds the Canada Research Chair in Cognitive Neurobiology and is affiliated with the Department of Psychology, Department of Physiology, and Institute of Medical Science at the University of Toronto. His research focuses on systems consolidation, the role of adult neurogenesis in hippocampal memory function and forgetting, identification/manipulation of memory engrams, and the development of hippocampal memory.

Zang Hee Cho, Member of the U.S. National Academy of Medicine
Dr. Zang Hee Cho is an expert in Positron Emission Tomography (PET), Magnetic Resonance Imaging (MRI), and brain imaging. He invented the world’s first ring-shaped PET scanner at UCLA in 1975. His research spans breakthroughs in functional MRI technology and the development of PET-MRI multimodal imaging systems. In recent years, he has been advancing the integration of neuroimaging technology with artificial intelligence.

Margit Burmeister, Professor at University of Michigan, USA
Dr. Margit Burmeister is the Associate Chair of Computational Medicine & Bioinformatics at the University of Michigan, directs a graduate program in Bioinformatics and is also a Professor of Neuroscience, Psychiatry and Human Genetics. She studies brain disorders in several ways: Her lab has identified and characterized several of the genes involved in the neurological movement disorder ataxia, which sometimes led to targeted treatments. She studies how genetic risk factors interact with lifestyle and the environment to modify risk, particularly when it comes to depression and Alzheimer's disease, and how the general public uses genetic information to their advantage.

Website
https://www.wjx.cn/vm/tACyGNq.aspx#
http://apply.sjtu.edu.cn

Submission Deadline: 30 May, 2025 (Please be aware of the Visa processing timeline)

Contact Details
Email: kirstenchen@sjtu.edu.cn / yingchen1912@gmail.com
Phone: +86 18805109977 / 021-54741175-1512

2025 SJTU Global Summer School - Food Science and Global Health

Organizer: School of Agriculture and Biology, Graduate School (Shanghai Jiao Tong University)
Time: 2025.06.30(Mon.)-2025.07.13(Sun.)
Venue: School of Agriculture and Biology, Shanghai Jiao Tong University

> Syllabus

TIME	MON.	TUE.	WED.	THU.	FRI.	WEEKEND
AM	Registration	Opening Ceremony	Course By Prof. Lianzhong AI	Course By Prof. Zuobing XIAO	Course By Assoc.Prof. Yiping CAO	Culture Activity
PM		Campus Tour	Pujiang Green Valley Base（visit）	Chinese Culture	Chenshan Botanical Garden（visit）	
AM	Course By Assoc.Prof. Shengli ZHANG	Course By Prof. Chunlei SHI	Course By Assoc.Prof. Lingjun ZHENG	Course By Prof. Xinlin WEI	Course By Prof. Zhongquan SUI	Return
PM	Lankuaikei Technology Enterprise（visit）	Chinese Culture	SJTU Wine center & Grapes Planting Base（visit）	Chinese Culture	Summary Showcase	

> Program Overview

This course aims to explore how food science impacts human health on a global scale. This includes the nutritional components of food, food safety, disease prevention and treatment, and the complex relationship between food and health. We will delve into the bioactive components in food, the impact of food processing on nutrition, and how food science innovations can promote health and prevent diseases. Additionally, we will focus on the relationship between food habits and health in different regions of the world, and how food science can be used to improve global health.

> Highlights

Two tours of SJTU Wine center & Grapes Planting Base and Chenshan Botanical Garden;
Tours of Pujiang Green Valley Base, Shanghai Yangtze River Delta Eco-Environmental Change and Management Observation and Research Station, and Lankuaikei Technology Enterprise;
Gathering experts and scholars from around the world to share experiences and challenges in the field of food science and health from different countries and regions ;
By the end of this 2-week study experience, students should have basic knowledge and understanding of relationship between food science and global health, and enhance their practical skills and research capabilities in the field of food science.

> Fee

Tuition: free
Lodging fee: The program will provide accommodation for selected students. Students who have dormitories in Shanghai Jiao Tong University will not be accommodated.
International travel expense and all the other fee: on one's own

> Eligibility

Undergraduates and postgraduates from food science and agriculture related majors.

> Application

Online application： http://apply.sjtu.edu.cn
Application Deadline:2025.05.30(Fri.)

Website
https://www.agri.sjtu.edu.cn/En/Data/View/9576

Contacts
Yuxuan Hao, haoyuxuan@sjtu.edu.cn
+86-34205933

2025 “Language Technology in Applied Linguistics”—SJTU International Summer School

Basic information

Organizer: School of Humanities, Graduate School (Shanghai Jiao Tong University)
Target Audience: Postgraduate students and outstanding undergraduates in linguistics and related fields
Dates: June, 30th—July 11th, 2025
Place: Shanghai Jiao Tong University, Xuhui Campus, Shanghai, China
Language: Chinese and English (with interpretation provided if necessary)
Registration Period: April 8th to June 1st, 2025
Cost: No tuition or registration fees. Includes one complimentary dinner on June 30th. Other meals, transportation, and accommodation expenses are self-funded. Shanghai Jiao Tong University offers an on-campus guesthouse with double rooms at a rate of 250 RMB per day. Please note that since the cost of the double room is shared by two people, if one person withdraws midway, the person withdrawing will still be required to pay their full share of the room fee.
International students (non-Chinese nationals currently residing outside of China) can apply for scholarships provided by the China Scholarship Council, with 10 scholarships available that cover free accommodation. Priority will be given to early registrants.

Course List （subject to change）

Date	Speakel	Event
30-Jun	-	Opening Ceremony
	Assoc. Prof. LiuBoquan	Praat Software for Speech Analysis & Research Examples
	Assoc. Prof. XuWen	Application of EndNote for Citation Management
	Assoc. Prof. JiDan	VOSviewer: Bibliometric Visualization Tool & Usage
	-	Welcome Dinner
1-Ju1	Assoc. Prof.Qian Zhiying	Introduction to EEG Applications & Research Examples
	Assoc. Prof.Anna & Prof.Wang Jun	Eye-Tracker Data Collection & Application Examples
2-Ju1	Assoc. Prof.Oian Zhiying	EEG-Based Study on Chinese Classifier Acquisition
	Assoc. Prof.Wang Xiaorong	Application of Mind Mapping in Language Teaching
3-Jul	Assoc. Prof. Oian Zhiying	Experiment Builder: Eye-Tracker Programming Software
	Assoc. Prof.Wang Xiaorong	Technology-Assisted ThematicChinese Teaching
4-Jul	Assoc. Prof.Anna	Application of Qualitative Software NVivo
	Prof. Wu Shuling	Principles & Applications of Elicited Imitation Test (EIT)
	-	Research Design Discussion 1
5-6 Jul	-	International Conference on"Humanities & Technology in Chinese Language Education”
7-Jul	Assoc. Prof.Hong Tian	SPSS Basics & Statistical Introduction
8-Jul	Senior Engineer Cheng Nanchang	Large Language Models & Applications (Part 1)
	Prof. Liang Xia	Teacher vs. Student Perceptions of AI Tool Usage
9-Jul	Senior Engineer Cheng Nanchang	Large Language Models &Applications (Part 2)
	Assoc. Prof. GuoShulun	Corpus Linguistics & Basic Text Statistics
10-Jul	Assoc. Prof. GuoShujian	Applications of Structural Equation Modeling (Part 1)
	-	Research Design Discussion 2
11-Jul	Assoc. Prof. GuoShujian	Applications of Structural Equation Modeling (Part 2)
	-	Research Design Presentations
	-	Closing Ceremony & Awards
12-13 Ju1	-	City Tour (Self-funded)

Course Introduction

The summer school focuses on the software and hardware technologies commonly used in current applied linguistics. Through a workshop format, combined with research examples, it explains and teaches their usage methods and application in specific research. The course provides ample hands-on practice opportunities and will also organize discussions between instructors and participants on the development and innovation of language learning and research concepts.

Instructors

Shu-Ling Wu is Professor and Head of the Chinese Program at Southern Illinois University Carbondale (SIUC)

Liang Xia is a Teaching Professor in the Department of East Asian Languages and Cultures at Washington University in St. Louis

Wang Xiaorong, Associate Teaching Professor in the Department of East Asian Languages and Civilizations at the University of Chicago

Qian Zhiying is an associate professor at Florida State University

Liu Boquan, PhD, is an Associate Professor in the School of Humanities at Shanghai Jiao Tong University, a doctoral advisor

Hong Tian is an associate professor on the teaching track at Shanghai Jiao Tong University. She holds a Ph.D.

Guo Shujian, Associate Professor at Tongji University

Cheng Nanchang, Senior Engineer at the State Key Laboratory of Media Convergence and Communication, Communication University of China, and Doctoral Supervisor

Links for Enrollment and contact persons

Chinese-nationality (Hong Kong, Macao and Taiwan regions of China included) applicants:
Contact (e-mail): Fang laoshi, fyb20020517@sjtu.edu.cn
https://www.wjx.cn/vm/hr0ZKkA.aspx

International Students please fill the survey:
Contact (e-mail): Zhu laoshi, Yiz1106@sjtu.edu.cn
https://forms.office.com/r/0Jbsp0u6kb

We will contact you via email to inform you about the registration process and how to apply for the scholarship. If you have previously applied for the 2024 event and were not selected, please email us to let us know, and we will prioritize your application.

SJTU Paris Elite Institute of Technology

Organizer: SJTU Paris Elite Institute of Technology, Graduate School (Shanghai Jiao Tong University)
Time: June 1-June 14, 2025
Venue: Shanghai Jiao Tong University
Theme (s): Urban Sustainability and Rural Revitalization: Navigating the Future Amidst Rapid Change

> Program Overview

This two-week program will invite global youth to explore China's most representative international metropolis—Shanghai, and rural revitalization demonstration area — Yucun Village, Zhejiang. Through participating in courses, lectures, workshops, corporate internships, cultural tours, etc., participants will jointly decode the Chinese sustainable development paradigm. Here, you can listen to the insights of experts in the field of sustainable development; you can compare urban-rural strategies through tech enterprise visits and rural community interaction; you can experience Chinese traditional culture such as calligraphy, paper cutting, and tea ceremonies. At the end of the program, the students carried out innovative designs around the topic of sustainable development in groups and presented the results through reports. The group with outstanding performance will receive certificates, prizes, and earn the chance to pitch for seed funding to bring their ideas to life.



> Activities

Curricula and Workshops: Featuring lectures from global sustainability experts on theory, policy, and practice, the program combines creative workshops where students collaborate to design innovative solutions, applying knowledge to sustainable urban and rural development initiatives.
Shanghai City Exploration: Visit new energy and green building enterprises to explore sustainable development pathways for megacities, experience the blend of tradition and modernity at Yu Garden, and tour the Urban Planning Museum to learn about Shanghai's sustainability achievements.
China Rural Revitalization Tour: Travel to Yucun Village in Zhejiang to investigate the practice of the "Two Mountains Theory," compare urban and rural sustainability strategies and outcomes, and broaden practical insights.
Cultural Experience and Exchange: Engage in traditional cultural activities like calligraphy, paper-cutting, and tea ceremonies, and organize exchanges between international participants and Chinese students to share cultural and sustainability experiences.
Project Summary and Sharing: Design and present team-based sustainability solutions. Outstanding projects will receive certificates, prizes, and recommendations for showcase. Participants are encouraged to apply lessons in their home countries to advance global sustainability efforts.

> Eligibility

The program intends to enroll a total of 20-30 students, with international students comprising 10-15 of the cohort.

> Highlights

- > Interdisciplinary empowerment - integrating engineering, policy, and humanities three-dimensional knowledge systems
- > Immersive experience - deeply integrating into Chinese cities and villages
- > Internationalization Research - bringing together students from multiple countries and sharing practical experience

> Faculty

Zhang Lihui: Chinese coordinator of humanities and social sciences at the SPEIT, PhD, associate researcher, engaged in research on internationalization of higher education. Responsible for the overall design, the perception and communication of Chinese culture of this program.
Aline Chevalier: Researcher at the Centre for Urban Studies, University of Amsterdam, engaged in research on green architecture and urban sustainable development. Responsible for the teaching and practice of the sustainable development part of this program.
Zhu Sinan: International Affairs Specialist at the SPEIT. Responsible for the recruitment promotion, student registration, and course arrangement of the international summer school.

> Fee

RMB 5,000 per participant; Applicants whose application materials are recognized as excellent by the review committee can enjoy a preferential rate, and the adjusted fee is RMB 3,000 per participant.

Application (Procedure, deadline):
Please submit your application online via http://apply.sjtu.edu.cn by May 20.

Contacts
Miss Zhu (Tel: 021-54739397 E-Mail: sinan.zhu@sjtu.edu.cn)

International Center for Deep Life Investigation (IC-DLI)

Organizer: International Center for Deep Life Investigation (IC-DLI)
Time: July 1–20, 2025
Venue: Sanya Yazhou Bay Research Base, IC-DLI, Shanghai Jiao Tong University, Sanya, Hainan, China
Graduate School, National Graduate College for Elite Engineers(Shanghai Jiao Tong University)
Theme (s): Summer School on Deep Biosphere Processes and Exploration of Special Resources

Program Overview

Over the past 30 years, one of the most significant advancements in Earth and Life Sciences has been the discovery of the subseafloor and oceanic crust biosphere (collectively termed the "deep biosphere"). These high-pressure, deep-Earth environments host primarily microbial life, representing the known limits of life. The biomass of deep life rivals that of the Earth's surface, yet it remains the least explored biological resource. The extreme high-pressure conditions of the deep sea have driven unique evolutionary adaptations, resulting in extraordinary microbial diversity and functionally distinct genes/metabolites. These discoveries hold immense scientific value and serve as a treasure trove for novel strains, genes, materials, compounds, functions, and mechanisms. The International Center for Deep Life Investigation (IC-DLI) at Shanghai Jiao Tong University is the only international community for deep biosphere researchers. Deriving from the international "Deep Carbon Observatory (DCO)" program, IC-DLI comprises members from 17 countries. IC-DLI focuses on interdisciplinary frontiers of deep life sciences, fostering international collaboration, innovation, and education to establish a global hub for groundbreaking research.

IC-DLI has partnered with leading experts in the research field of deep biosphere, to systematically design this summer school program. The program is delivered through a combination of cut-edging lectures and practical exercises, aiming to enhance the participants' comprehensive understanding of deep biosphere processes and resources exploration. The program includes 30+ lectures covering topics such as microorganism metabolism, evolution, adaptation in deep biosphere, construction of geographical distribution model, bacterial-mineral interaction, industrial development of cold active enzyme and so on. It also integrates 15+ lab-based practical courses tailored for participants, such as genetic experiments, geochemical analysis and cultured based techniques. We hope this program will enhance knowledge gaining and sharing on deep biosphere and promote international communication and collaboration in the field.

Highlights

> Providing chances to communicate with leading experts in deep biosphere.
> Intensive lectures and lab-based exercises will help you build comprehensive knowledge network and skills in deep biosphere research and special resource exploration.
> Providing chances to practise with precious samples from subseafloor and oceanic crust.

> Activities

Date	Event
July 1	Opening Ceremony
July 2–19	Morning: lectures
	Afternoon: practical exercises
July 20	Closing Ceremony

> Intended Faculty

Prof. Mohamed Jebbar (University of Brest, France)
Prof.Jens Kallmeyer (GFZ Potsdam, Germany)
Prof.Gordon Southam (University of Queensland, Australia)
Prof. Mohamed Hatha Abdulla (Cochin University of Science and Technology, India)

> Eligibility

Senior undergraduates, graduates, and early-career researchers in relevant fields worldwide.

> Fees

Tuition: free
International travel expense, accommodation, meals and other fee: on one's own.
The program will provide International air-ticket subsidy for selected students, which is up to 4500 RMB.
The program can help book accommodation.

> Application (Procedure, deadline)

Apply at: http://apply.sjtu.edu.cn
Please also submit CV, proof of enrollment/employment, to contact email below.
Application deadline: June 25th, 2025, Beijing time

Website
https://icdli.sjtu.edu.cn/

Contacts
For any question or detailed schedule, please contact Dr. Manping Zhang, (mail to: scullyzhang@sjtu.edu.cn) with the subject line:"Application for Summer School on Deep Biosphere Processes and Exploration of Special Resources".

Note
Applicants can participate in parts of the summer school.

7th International Summer School on Medical Robotics

Organizer: 7th International Summer School on Medical Robotics - BSchool of Biomedical Engineering, Graduate School, National Graduate College for Elite Engineers (Shanghai Jiao Tong University)
Venue: Cyrus Tang Building, Minhang Campus, Shanghai Jiao Tong University/ Shanghai Tongren Hospital
Time: July 10–18, 2025
Theme(s): The Institute of Medical Robotics (IMR) prioritizes global collaboration

Program & Host Institution Profile

The Institute of Medical Robotics (IMR) prioritizes global collaboration to advance medical robotics research, focusing on minimally invasive surgery, rehabilitation therapy, and assistive technologies. Since its inception in 2018, the Summer School has attracted over 200 young scholars from leading institutions worldwide, including MIT, Imperial College London, Cambridge, Stanford, Johns Hopkins University, German Cancer Research Center, and Tsinghua University.

Eligibility

Quota: 30 participants
Target Audience: Master's/PhD students, postdoctoral researchers in Biomedical Engineering, Control Science, Materials Science, Mechanical Engineering, Computer Science, or related fields. Exceptionally outstanding undergraduates may apply.

Program Fees

Tuition-free. Meal subsidies provided for academic activities.
Accommodation and travel expenses are self-funded;

> Application Procedure

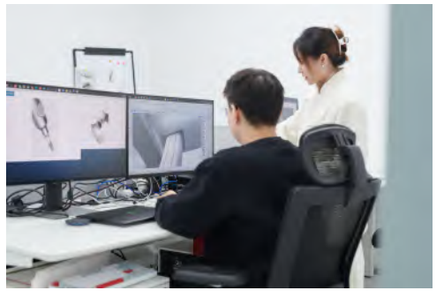
Submit Documents: Email CV, academic transcripts, and supporting materials to [yushanwu0311@sjtu.edu.cn] with subject line [Summer School] + Name.
Non-Chinese Applicants: Additional online application via: apply.sjtu.edu.cn.

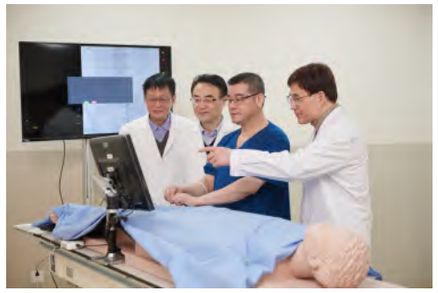
> Application Deadlines

Non-Chinese Applicants: June 10, 2025, 24:00 (Beijing Time)
Chinese Applicants: June 22, 2025, 24:00 (Beijing Time)
Admission Results: Applicants will be notified via email by June 25, 2025, 24:00 (Beijing Time). Selection is conducted by the Graduate School, School of Biomedical Engineering, and Institute of Medical Robotics (IMR) based on academic merit.

> Contact Information

Administrative Inquiries:
Ms. Wu
Email: yushanwu0311@sjtu.edu.cn
Tel: +86 021-34204311
Academic Inquiries:
Associate Professor Yun Gu
Email: yungu@ieee.org
Program Website:
https://imr.sjtu.edu.cn/signup2025.html





Join global peers to explore cutting-edge innovations at the intersection of medicine and robotics!

International Summer School on mathematical Biology

Sponsors
> Institute of Natural Sciences of Shanghai Jiao Tong University
> School of Mathematical Sciences Shanghai Jiao Tong University
> Shanghai National Center for Applied mathematics(SJTU Center)
> Ministry of Education Key Lab in Scientific and Engineering Computing
> Graduate School (Shanghai Jiao Tong University)

Date: August 20–24, 2025
Venue: 3rd floor, Build.No.5&6, Science Buildings Shanghai Jiao Tong University No.800 Dongchuan Load, Minhang District, Shanghai.

> Program Overview

The summer school focuses on the latest advances in mathematical modeling in cell biology, covering:
Cell Dynamics and Modeling: Investigating dynamic processes such as cell differentiation and disease progression; analyzing the interactions among cell populations, signaling networks, and the microenvironment; and utilizing spatial omics technologies to decipher cellular microenvironments.
Quantitative Genetic Models: Developing adaptive frameworks driven by environmental pressures; studying mutation-selection and recombination balance models; and exploring the existence and convergence of steady states as well as applications of optimal transport theory.
Pattern Formation in Developmental Biology: Using multiscale modeling to understand limb development, angiogenesis, and the self-organization of organoids, with the aim of building cross-scale predictive frameworks.
Stem Cell Regeneration Modeling: Exploring the regulation of stem cell division and spatiotemporal dynamics; revealing the mechanisms of dynamic equilibrium in stem cell niches; and investigating the impact of mechanical stress and clonal competition models in disease treatment.
Multiscale Modeling of Cancer Evolution: Integrating single-cell data with clinical information to analyze tumor heterogeneity; combining gene regulation, population dynamics, and tumor-immune interactions to optimize therapeutic strategies.

> Tutorial speakers

Philip K. Maini
Professor, University of Oxford, Director of the Wolfson Centre for Mathematical Biology
Fellow of the Royal Academy
LMS Naylor Award 2009
Society for Mlathematical Biology Arthur T. WinfreeAward 2017

Jinzhi Lei
Professor at the School of athematical Sciences and the Center for Applied Mathematics, Tianjin Polytechnic University
Vice Director of the Mathematical Life Science Professional Committee of the Society for Industrial and Applied Mathematics
Standing Director of the Operations Research Society'sComputational Systems Biology Branch

Vincent Calvez
Professor at the Institut Camille Jordan (ICJ), Université de Lyon
Research Director at CNRS and a leading figure in European biomathematics among the younger generation
Recipient of the European Mathematical Society Prize
Awardee of the European Research Council Starting Grant

Anna Marciniak-Czochra
Professor at Heidelberg University and Director of the Institute for Applied Mathematics
Member of the Board of the European Society for Mathematical and Theoretical Biology (ESMTB)
Editor-in-Chief of the Journal of Mathematical Biology

Raluca Eftimie
Professor at Université de Franche-Comté, France
Honorary Professor at the University of Dundee, France
Expert in multiple fields including cancer research and infectious disease modeling

> Invited speakers

Yi Tao	Chinese Academy of Sciences
Lei Zhang	Peking University
Rui Liu	South China University of Technology
Jun Yan	Chinese Academy of Sciences
Thomas Stiehl	RWTH Aachen University
Susana Gomes	University of Warwick, UK
Zhian Wang	Hong Kong Polytechnic University

> Schedule

	8.20	8.21	8.22	8.23	8.24
09:00-09:50	Course	Course	Course	Course	Course
10:00-10:50	Course	Course	Course	Course	Course
11:10-12:00	Course	Course	Course	Course	Course
12:10-13:50	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-14:50	Invited talk	Invited talk		Invited talk	
15:00-15:50	Invited talk	Invited talk		Invited talk	
16:10-17:00	Invited talk	Mini talks		Mini talks	
17:00-17:50		Poster session			

> Applications is now open

The summer school plans to admit approximately 50 students interested in mathematical modeling of cell biology, systems biology, or the development of new mathematical tools for specific biological problems. This includes current PhD students, postdocs, or young researchers who have completed their PhD within the last 5 years. Please register online by scanning the QR code on the right before August 1, 2025, and submit your CV.

Contact Us
Fang Cheng : chengfang_cathy@sjtu.edu.cn
Min Tang : tangmin@sjtu.edu.cn
Websites : https://ins.sjtu.edu.cn/conferences/2655

上海交通大學 SHANGHAI JIAO TONG UNIVERSITY | 自然科学研究院 Institute of Natural Sciences

2025 SJTU Global Summer School "Future Energy"

Organizer: College of Smart Energy, Graduate School, National Graduate College for Elite Engineers (Shanghai Jiao Tong University)
Time: 2025.08.03 (Sun.)-2025.08.13 (Wed.)
Venue: Shanghai, China

> Overview

To promote international exchange among young energy students and provide a cross-cultural platform, Shanghai Jiao Tong University (SJTU) is excited to launch the first-ever "Future Energy" Global Summer School.
The program aims to deepen students' understanding of global energy advancements, showcase China's innovations in new energy, and explore future energy trends. Through academic lectures, workshops, corporate visits, and field trips, students will expand their knowledge, enhance problem-solving and critical thinking skills, and ignite their passion for energy frontiers. Additionally, cross-cultural interactions will broaden their global perspectives, foster friendships, and lay the groundwork for future international collaboration in energy.

> Highlights

Cross-Cultural and Interdisciplinary Focus on Global Energy Transformation
Goal-Oriented, Cultivating Key Research Thinking
Global Perspective, Insights into Energy Industry Trends

Join us this summer and discover how SJTU can help you realize your potential!i

> Content

Energy Lectures and Courses

Invited renowned domestic and international experts and scholars will give specialized lectures to help students gain in-depth knowledge of the latest developments and technological trends in the energy field.

Proposed Faculty

Zhen Huang: Chair Professor of Shanghai Jiao Tong University, Academician of the Chinese Academy of Engineering
Christos. N. Markides, Professor of Imperial College of London
Jörg Sauer, Professor of Karlsruhe Institute of Technology
De Chen, Professor of Norwegian University of Science and Technology
Nicolas ALONSO-VANTE, Chair Professor of Shanghai Jiao Tong University
Xiaojing Liu: Distinguished Professor of Shanghai Jiao Tong University
Jia Yang: Associate Professor of Shanghai Jiao Tong University
Chen Zhang: Associate Professor of Shanghai Jiao Tong University
Yao Zhao: Associate Professor of Shanghai Jiao Tong University

Experimental Practice

Students will visit key laboratories of the institute, engage in scientific research, and explore the latest research and application technologies in areas such as renewable energy, smart grids, energy storage, and energy efficiency improvements. This provides a direct understanding of the cutting-edge developments in energy technologies.

Field Trips

Students will visit internationally leading energy companies and innovative tech enterprises in fields like renewable energy development, energy storage solutions, and artificial intelligence. They will learn about the latest technological research and commercial applications in the industry.

Cultural Experience

Students will experience traditional Chinese culture through activities like martial arts, Chinese tea, and calligraphy. They will also explore the unique charm of modern Shanghai, and the ancient town, enhancing cross-cultural communication and understanding while showcasing the distinctive cultural wisdom of China.

> Course Schedule

Date	Time	Activity
8.3 Sun.	All day	Check-in and registration
8.4 Mon.	9:30-10:00	Opening Ceremony
	10:00-11:00	Master Lecture: Energy Transition in the Vision of Carbon Neutrality
	11:00-11:30	Introduction to College of Smart Energy
	2:00-4:00	Ice-breaking Activities
	4:00-5:00	Smart Energy Campus Tour
8.5 Tue.	9:00-11:30	Lecture 1: New Energy Technologies and Global Energy Transition
	2:00-4:30	Visit to New Energy Companies
8.6 Wed.	9:30-11:30	Lab Tour
	2:00-4:30	Workshop 1: Proposal Discussion
8.7 Thu.	9:00-12:00	Visit to Suzhou Zero Carbon Park
	2:00-5:00	Visit to Chinese Ancient Town—Water Town Zhouzhuang
8.8 Fri.	9:30-11:30	Workshop 2: Thematic Discussion
	2:00-8:00	Lecture 2: Zero-Carbon Future - Cutting-Edge Technologies for Carbon Neutrality
8.9 Sat.	9:00-11:30	Chinese Cultural Experience: Hanfu, Lacquer Painting, Calligraphy
	2:00-8:00	Visit to Shanghai Bund and Yuyuan Garden, Huangpu River Night Cruise
8.10 Sun.	All day	Free Time
8.11 Mon.	9:00-11:30	Lecture 3: AI Empowering Energy Development
	2:30-4:30	Visit to AI Companies
8.12 Tue.	9:30-11:30	Visit to Grand Neobay Global Innovation and Startup Hub
	2:30-4:30	Achievement Report & Closing Ceremony
8.13 Wed.	All day	Return

> Registration

Eligibility: Undergraduate and graduate students from energy-related areas or those interested in energy.
Application:
Please apply via the following website : http://apply.sjtu.edu.cn
Create an ID and password
Choose "short-term programs (short term, winter&-summer programs)"
Choose "short-term programs"
Then complete online application
Should you have any questions, please feel free to contact Ms. Lu Yang.

> Fee

$600 (includes tuition and accommodation; excludes round-trip airfare and all the other fee).

Contacts

Ms. Lu Yang
Email: yoyo199207@sjtu.edu.cn
Phone: +86 15026607627

China-UK Low Carbon College of Shanghai Jiao Tong University (LCC)

Organizer: China-UK Low Carbon College of Shanghai Jiao Tong University (LCC), Graduate School (Shanghai Jiao Tong University)
Time: July 7th - 11th, 2025
Venue: China-UK Low Carbon College (Shanghai Jiao Tong University, Lingang Campus), No.3 Yinlian Road, Pudong New Area, Shanghai
Theme(s): Green for Life

Program Overview

Get ready for the 2025 International Graduate Summer School — Green for Life!
Hosted by the China-UK Low Carbon College (LCC) of Shanghai Jiao Tong University (SJTU), this event is a carnival leading curious minds diving into the wild, wonderful world of low-carbon innovation. Let's make "Green" the new fashion together!

About Faculty

https://lcc.sjtu.edu.cn/En/Data/List/Faculty

Highlights

Cutting-Edge
Interdisciplinary
Intelligent
Low-Carbon

Activities

Registration & Opening Ceremony
Campus & Laboratory Tour
Frontier Lectures & Seminars
Enterprise Visits & Cross-culture Experience
Group Reports & Presentations
Closing Ceremony

Eligibility

The program is open to senior undergraduate students and post-graduate students from all over the world. All courses are conducted in English, applicants shall have intermediate or proficient English language skills.

Application (Procedure, deadline)

Please scan the QR code below:

Or Apply online: https://www.wjx.cn/vm/rqJTK6L.aspx#
Application Deadline: June 3rd, 2025

Contacts

Miss SHI
Tel: +86 (021) 80160861
E-mail: shiqing@sjtu.edu.cn
Address: China-UK Low Carbon College of Shanghai Jiao Tong University, No.3 Yinlian Road, Pudong New Area, Shanghai

Website

https://mp.weixin.qq.com/s/xWNP8-7rXxOKpL9LEKi_IA

NOTES >