

SHANGHAI JIAO TONG UNIVERSITY

2023

SJTU

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The mission of Shanghai Jiao Tong University is to preserve cultural heritage, seek truth, and nurture global talent for China and the rest of the world.



SHANGHAI JIAO TONG UNIVERSITY





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UNIVERSITY

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# QUICK FACTS

## Among the top universities in the world

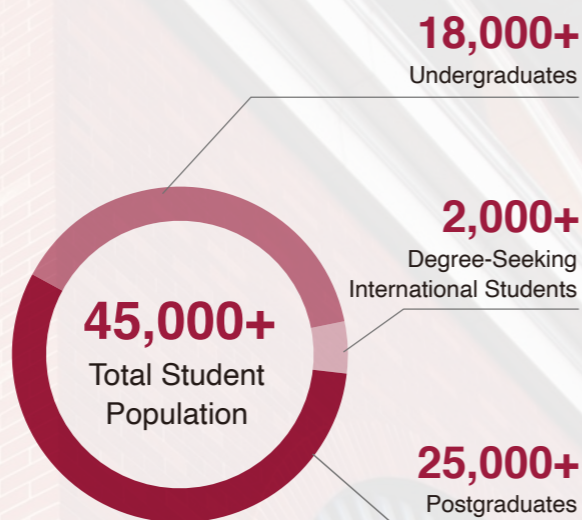
- #46 QS 2023
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## Faculty

- 3500+ Faculty
- 1200+ Full Professors
- 52 Chinese Academy of Science & Engineering Members

## A Diverse Student Body

Over 6000 degree-seeking and non-degree seeking international students from around 150 countries/regions are enrolled at SJTU.



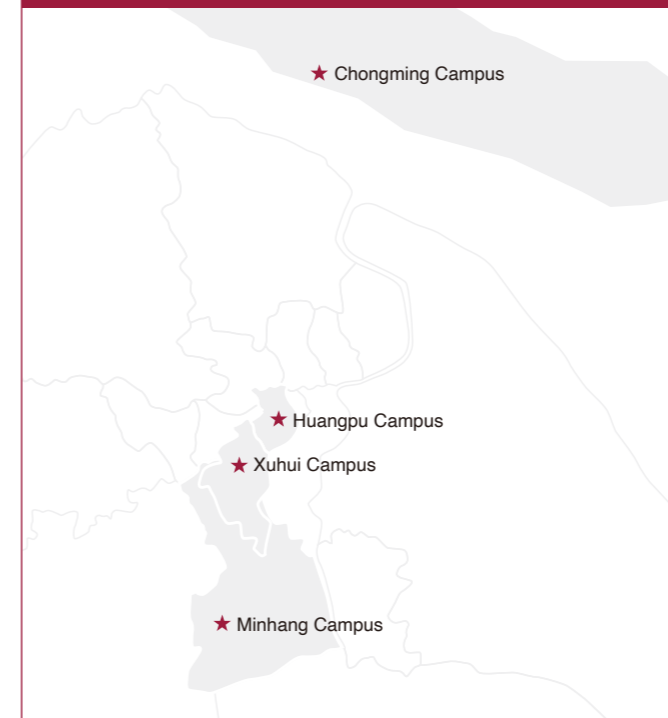
Scan here to watch a video 'SJTU Today'

# HISTORY

Shanghai Jiao Tong University, a cradle of higher education in China, has a legendary past. Nanyang College is the predecessor to Shanghai Jiao Tong University. Since its establishment in 1896, it has been one of China's top universities. The university's path to greatness exemplifies the modernization of China's higher education. As a leading university in China, it was founded with an urgent mission: to save a nation in peril by training and educating the next generation to lead and transform the country. Now, with China's rise in an increasingly interconnected world, SJTU has become one of the world's top 100 universities and is continuing on this trajectory into the future.

- 1896** Established as "Nan Yang College"
- 1959** Renamed as "Shanghai Jiao Tong University"
- 1999** Shanghai Agricultural University integrated into SJTU
- 2005** Shanghai Second Medical School merged with SJTU
- 2023** Celebrated its 127th anniversary

# CAMPUSES IN SHANGHAI



Shanghai Jiao Tong University has several campuses in Shanghai, including the Xuhui Campus, the Minhang Campus, the Huangpu Campus, the Chongming Campus and others.





# VOICES OF SJTUERS



Zhao Jiaxin

*(Undergraduate, Mechanical Engineering, China)*

Jiaxin received a Rhodes scholarship and is now pursuing postgraduate studies at the University of Oxford.

"My experience at SJTU equipped me with critical thinking and practical skills. I received rigorous scientific training and critical liberal education."

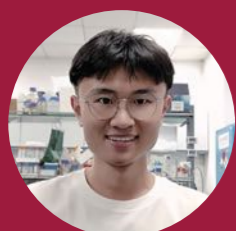


Xie Yutong

*(Undergraduate, Zhiyuan College, China)*

Yutong placed highly in multiple domestic and international contests, including a championship in the ACM contest.

"I especially enjoyed my time on the SJTU ACM team. The university offered the best environment I could imagine to help us prepare for the contest."



Zhang Xinjian

*(Masters, Pharmacy, China)*

Xinjian visited Ethiopia as a group leader of the 2019 Africa Pharmacopeia project of the SJTU Global Engagement Program, conducting research on the African healthcare system and herbal medicine.

"Through the SJTU Global Engagement Program, I was deeply involved in research on the African healthcare system. This life-changing experience cultivated my sense of responsibility and expanded my global vision."



Zhou Xinyi

*(Ph.D., Naval Architecture, Ocean and Civil Engineering, China)*

Xinyi won first prize in various international contests, such as ACM, and published 10 journal papers. He now holds 11 patents.

"During my Ph.D., I was given many opportunities to attend international academic conferences, such as the Global Young Scientists Summit. I was inspired by face-to-face interactions with top scientists."



Nicolai Lundsberg

*(Masters, International and Public Affairs, Denmark)*

Nicolai was nominated as a Star of International students at SJTU. He also wrote and recorded the song "Overcome" to encourage people during the coronavirus pandemic.

"SJTU is a lot more than just a classroom. It is a community. I learned a lot from working with people originating from all kinds of cultural and professional backgrounds."



Zhang Tianqing

*(Undergraduate, Physics and Astronomy, China)*

Tianqing served as a leader of the Astronomical Union and Vice President of the Student Union. He is now pursuing a dual degree with SJTU and Duke University.

"SJTU provided a world-class education system and research labs for me as an undergraduate. These opportunities empowered me to gain knowledge at the fastest rate in my lifetime."



Ma Jiaojiao

*(Masters, Media and Communication, China)*

Jiaojiao was awarded the honorary title of "Coronavirus Prevention and Control Outstanding Student" by the Henan Provincial Party College Working Committee and the Provincial Department of Education.

"SJTU has a tradition of encouraging students to volunteer for the community. Under the influence of the excellent volunteerism atmosphere in the school, I also actively engaged in volunteer work."



Liu Zhizhuo

*(Masters, Environmental Science and Engineering, China)*

Zhizhuo was named 2020's "Distinguished University Student." Since 2016, he has been working to help combat desertification and poverty.

"SJTU helped me broaden my horizons. I went to the Tengri desert at Gansu Province to carry out wind and sand control work with the knowledge I learned at school."



Amanda Florian

*(Masters, Media and Communication, USA)*

Amanda is preparing to launch a new media application start-up at the SJTU incubator platform, NeoBay.

"There's no doubt SJTU is one of the highest-ranked schools in all of China, but the reason I cherish it the most is for its excellent professors and campus culture."



# MEET OUR FACULTY



**Zha Qiongfang**  
School of Medicine

Dr. Zha joined the first medical team that was dispatched to aid Hubei during the outbreak in late January 2020. As the only female doctor on SJTU's medical team sent to Hubei, she posted a daily journal recording the battle against the emerging pandemic from the perspective of a front-line doctor and the book "Dr. Zha's Diary on Fighting the COVID-19" is published in Chinese, English and Japanese. It helps readers around the world better understand China's experience in bringing the epidemic under control.



**Ma Lizhuang**  
School of Electronic,  
Information and Electrical Engineering

Professor Ma is one of the winners of the 2020 Shanghai Jiao Tong University Scientific and Technological Progress Award. His research field is human visual expression understanding and posture analysis technology and its application: human visual expression understanding and posture analysis technology is the core technology of building smart city public security. This technology can be used to solve current social governance problems, such as public security challenges presented by a large population, long-distance nuclear problems in national security, and public online entertainment based on character-recognition technology. The technology has made a great contribution to social governance and epidemic prevention and control and promoted the artificial intelligence industry's progress.



**Fan Chunhai**  
School of Chemistry  
and Chemical Engineering

Professor Fan was awarded the title of "National Advanced Worker" in 2020. Fan Chunhai, who was elected academician in the Chinese Academy of Sciences at the age of 45, has made remarkable achievements in research fields such as DNA self-assembly, DNA storage, molecular machines, and others over the past 20 years. He won second prize in the National Natural Science Award. He has been committed to the transformation of fundamental research results to clinical practices to benefit human health. He led his team in focusing on new methods of nucleic acid analysis, diagnosis, and treatment to bring about clinical transformation and cooperate with hospitals to use nucleic acid sensors in the detection of actual clinical samples.



**Wang Zhenyi**  
School of Medicine

Dr. Wang was awarded the 2020 "Life Science Award" for his contributions to finding a cure for acute promyelocytic leukemia. He has committed all his future earnings from any science awards to be donated to the Foundation for Poverty Alleviation. Saddened by the many people whose lives are still taken by various kinds of leukemia, he has called more young scientists to be creative and pursue scientific breakthroughs in leukemia research.



**Anders Lindquist**  
School of Electronic,  
Information and Electrical Engineering

Dr. Lindquist was elected to the European Academy of Sciences in 2020. He has made essential contributions in researching optimization theory of complex systems in the Department of Automation. He has also been elected as a foreign academician of the Chinese Academy of Sciences, a foreign academician of the Russian Academy of Natural Sciences, and a member of the Swedish Royal Academy of Sciences.



**Fu Shixiao**  
School of Naval Architecture,  
Ocean and Civil Engineering

Professor Fu was elected to the Norwegian Academy of Technical Sciences in 2020. His primary research is in Fluid-structure interactions, Vortex-induced vibration (VIV), Hydro-elasticity of floating structures, Fish farming structures, Floating bridges, and Risers.



**Guo Minyi**  
School of Electronic,  
Information and Electrical Engineering

Professor Guo was elected to the European Academy of Sciences in 2020. Professor Guo is primarily engaged in research in parallel and distributed computing, big data and program optimization.



**Deng Zhixin**  
School of Life Sciences  
and Biotechnology

Professor Deng is an academician of the Chinese Academy of Sciences and was elected the first chairman of the Global Society for Industrial Microbiology, which was previously the International Committee of Industrial Microbial Genetics. This society is an unofficial academic leadership organization composed of well-known experts in industrial microbiology from ten countries around the world.



**Kong Hainan**  
School of Environmental Science  
and Engineering

Professor Kong promoted the eco-green development of Dali and won recognition and support from the local government. In 2019, he donated 2 million RMB to set up a SJTU education fund for nurturing talents to protect Erhai.



# SJTU ALUMNI

SJTU has nurtured more than three hundred thousand prominent alumni in the fields of politics, science, business, and arts. SJTU alumni have helped shape China as you know it today and influenced the rest of the world.



**Jiang Zemin** (Class of 1947)  
Former President of China



**Qian Xuesen** (Class of 1934)  
Scientist, Father of Chinese Aerospace



**Lu Yan** (Class of 1948)  
Actress, Golden Horse Award winner, Former jury member for the Academy Awards



**Yao Ming** (Class of 2018)  
Former NBA basketball player

In 2022, SJTU alumni achieved great accomplishments in their business fields, such as being named “Forbes China’s Best CEOs”, “40 Chinese Business Elites under-40”, “2022 China’s 50 most influential business leaders”, and “Top 20 Up-and-Coming Businesswomen”. Also, SJTU scholars were appointed to the Canadian Academy of Engineering, as members of NAE, and other honors lists.



**Zhu Zhenghong**  
(Class of 1989)  
Canadian Academy of Engineering



**Pei Jian**  
(Class of 1993)  
Canadian Academy of Engineering



**Lian Yong**  
(Class of 1984)  
Canadian Academy of Engineering



**Yu Hao**  
(Class of 1997)  
Singapore National Academy of Sciences



**Tang Renyuan**  
(Class of 1952)  
2020 Alumni for Contribution Memorial Award



**Yang Yuanqing**  
(Class of 1986)  
Fortune 2020 China's 50 most influential business leaders



**Shen Nanpeng**  
(Class of 1988)  
Fortune 2020 China's 50 most influential business leaders  
Forbes 2020 China's best venture capital



**Xu Li**  
(Class of 2007)  
Fortune 2020 China's 50 most influential business leaders



# SCHOOLS AND PROGRAMS

34

Schools/Departments

13

Affiliated Hospitals

69

Bachelors' Programs

123

Masters' Programs

85

Doctoral Programs



## Sciences

- School of Mathematical Sciences
- School of Physics and Astronomy
- School of Chemistry and Chemical Engineering
- Zhiyuan College
- School of Oceanology



## Engineering

- School of Naval Architecture, Ocean and Civil Engineering
- School of Mechanical Engineering
- School of Electronic, Information and Electrical Engineering
- School of Materials Science and Engineering
- School of Environmental Science and Engineering
- School of Biomedical Engineering
- School of Aeronautics and Astronautics
- College of Smart Energy
- Global Institute of Future Technology



## Life and Medical Sciences

- School of Life Sciences and Biotechnology
- School of Agriculture and Biology
- School of Medicine
- School of Pharmacy



## Humanities and Social Sciences

- Antai College of Economics and Management
- KoGuan Law School
- School of Foreign Languages
- School of Humanities
- School of Marxism
- School of International and Public Affairs
- School of Media and Communication
- Department of Physical Education
- Shanghai Advanced Institute of Finance
- School of Design
- School of Education



## Joint Institutes

- UM-SJTU Joint Institute
- SJTU-Paris Tech Elite Institute of Technology
- USC-SJTU Institute of Cultural and Creative Industry
- China-UK Low Carbon College
- China Europe International Business School

# EDUCATION

## Educational Philosophy

SJTU's educational philosophy prioritizes values development, knowledge exploration, capacity building, and personality cultivation as it seeks to produce future academic, political, industrial, and cultural leaders.

## Educational Process

SJTU's core objectives in undergraduate education are to provide a student-centered education, to promote excellent teaching, research, scientific literacy, and community service, and to combine the best of classroom teaching and practical learning. First-year students can choose from more than 260 small seminar courses, primarily focusing on independent learning through exploration and research, with significant interaction with professors. The university seeks to combine wide-caliber professional education with a high-quality broader general education by providing students with a wide variety of elective courses, including more than 200 core elective courses in humanities, social sciences, natural sciences, and engineering science and technology. All courses at SJTU seek to provide an innovative and practical teaching system to cultivate students' practical ability, scientific thinking, and innovative spirit. For postgraduate education, the university strives to reform the discipline structure, employ a group supervising system, pursue a global standard assessment system, and strengthen cooperation between industry and the university. SJTU fully leverages its advantage as one of the country's top higher education institutions leading comprehensive reformation of doctoral and professional degree education.



## Interest-Driven Programs for Future Scientists

The Zhiyuan Honors Program aims to equip the future's leading scientists to better serve society with creativity, critical thinking, and knowledge of science and technology. The top 10% of undergraduate students are qualified to enroll in the program. Numerous top academics serve in the program, including Chinese Academicians and Turing Award winner John Hopcroft. More than 90% of Zhiyuan undergraduates pursue an academic career after graduation, with many furthering their studies in the world's top universities, such as MIT, Stanford, Harvard, and Oxford.

The Zhiyuan Honors Program has now expanded to doctoral programs, with a cohort of the top 100 doctoral students participating each year. Honors courses provide students with

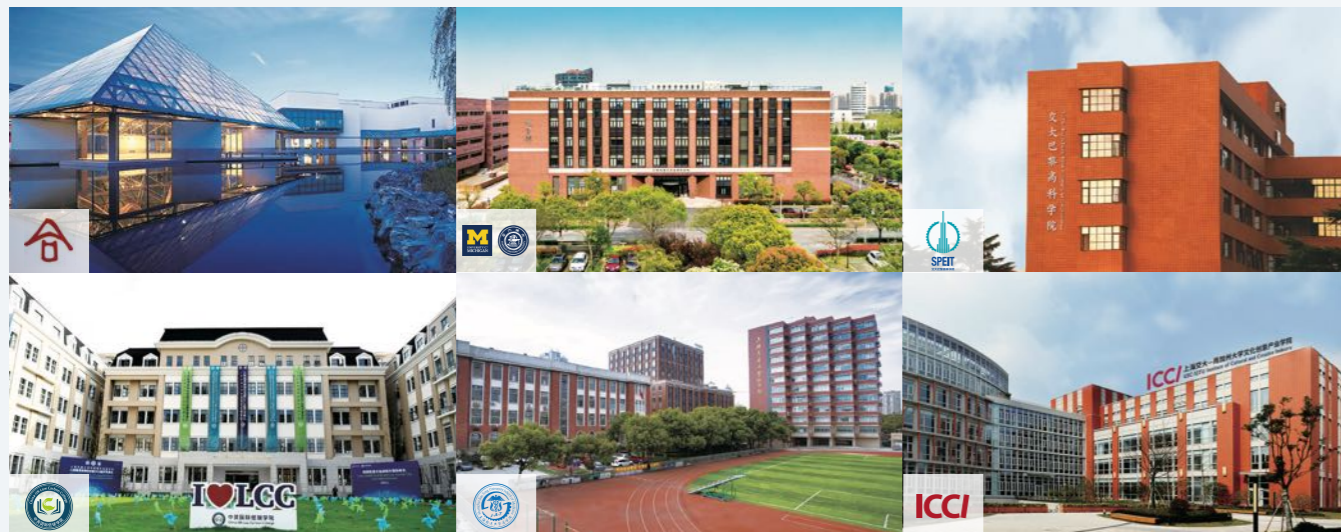


a solid research foundation, and they are each supervised jointly by two tutors, one within the university and one from outside the university.

<https://zhiyuan.sjtu.edu.cn/html/zhiyuan/>  
<https://www.gs.sjtu.edu.cn/zljs/bsszyryjh.htm>

## Globalized Institutes for Future Leaders

Over the years, SJTU has worked with various international partners to form joint institutes at SJTU to pursue a truly global education. These joint institutes are the CEIBS (created in 1994), the UM-SJTU Joint Institute (created in 2006), the SJTU-Paris Tech Elite Institute of Technology (created in 2012), the USC-SJTU Institute of Culture and Creative Industry (created in 2015), and the China-UK Low Carbon College (created in 2017).



让所有的人上最好的大学  
 BEST ONLINE COURSES IN CHINA

## Online Classes to Enhance Self-Directed Learning



SJTU takes various approaches to encourage students' active participation not only in class and but also in self-directed learning. With the goal of "promoting education fairness, enhancing education innovation, and improving education quality", a series of pioneering endeavors has been carried out. Since the COVID-19 outbreak, all school departments have worked together to implement a policy of "stop classes, but non-stop studying and teaching" and accelerate the in-depth

integration of education and teaching. Each college's leaders and all teachers in the classroom work together to continuously optimize the "mixing." More than 7,900 online courses were put online throughout the year, and the total number of views on the school's online Canvas platform was more than 80 million, which ensured the smooth operation of various learning tasks. SJTU also held conferences to improve online classes.

## Creative and Practical Supports for Future Entrepreneurs

SJTU strives to nurture innovative and entrepreneurial talents for tomorrow with various innovative supports for students. The university has developed a rich and diverse set of offerings to meet the needs of students. The regular entrepreneurship curriculum and experiences give students the skill set needed to be successful. Opportunities, funding, and connections provided by the School of Entrepreneurship and Innovation enable students to turn their ideas into real businesses. Also, students at SJTU can conduct their experiments for free by utilizing the facilities and equipment at the Student Innovation Center, a fab-lab where they have launched various training courses to enable students to collaborate with global leading companies such as HUAWEI, Intel, IBM, Microsoft, and Tencent.

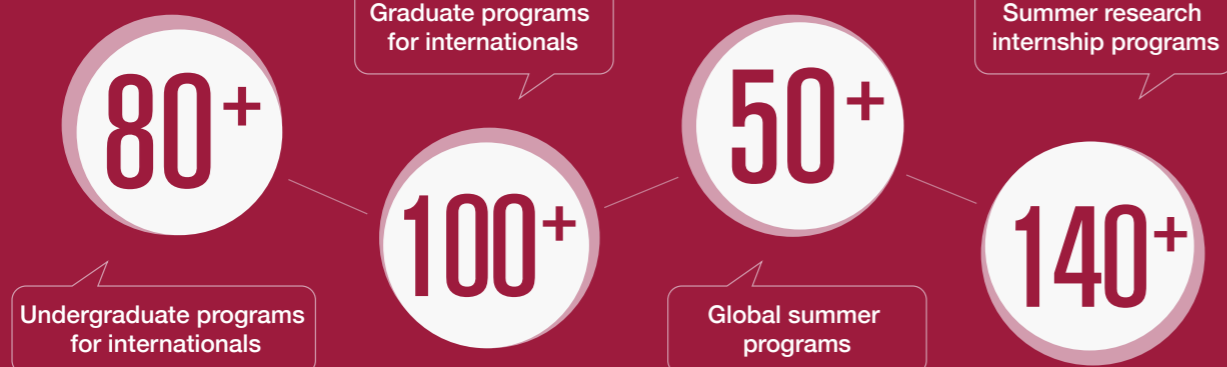
<http://chuangye.sjtu.edu.cn/index.php/Home/index>  
<https://www.si.sjtu.edu.cn/>





## International Contests

SJTU has a remarkable record in various international contests. More than 2500 students won awards from 2016 to 2023. SJTU has won the ACM World Championship for several times, receiving more than 5 gold medals in total. Also, from 2020-2022, SJTU teams won both the National Grand Prize and the Second Prize of Innovation Track Contest for three consecutive years. In addition to these examples, SJTU has had notable achievements in various international contests, such as the VEX Competition, Odyssey of the Mind, the Red Dot design competition, the International University Sports Federation, and more.



## Joint/Double Degree Programs

Through academic cooperation with international partners, SJTU offers joint/double Bachelor's, Master's, and Ph.D. degrees. In recent years, SJTU signed a seed fund and doctoral co-training agreement with the University of Melbourne and a doctoral co-training agreement with the Royal Institute of Technology in Sweden. Our international partners include:

### JOINT PH.D.

Heidelberg University  
National University of Singapore  
The University of Melbourne  
University of Toronto  
...

### DOUBLE MASTER'S

KTH Royal Institute of Technology  
Purdue University  
Northwest University  
The University of Edinburgh  
...

### DOUBLE PH.D.

University of Nottingham  
INSA Lyon  
University of Technology Sydney  
Osaka University  
...

### DOUBLE BACHELOR'S

Cornell University  
University of Michigan  
The University of Hong Kong  
University of Maryland  
...



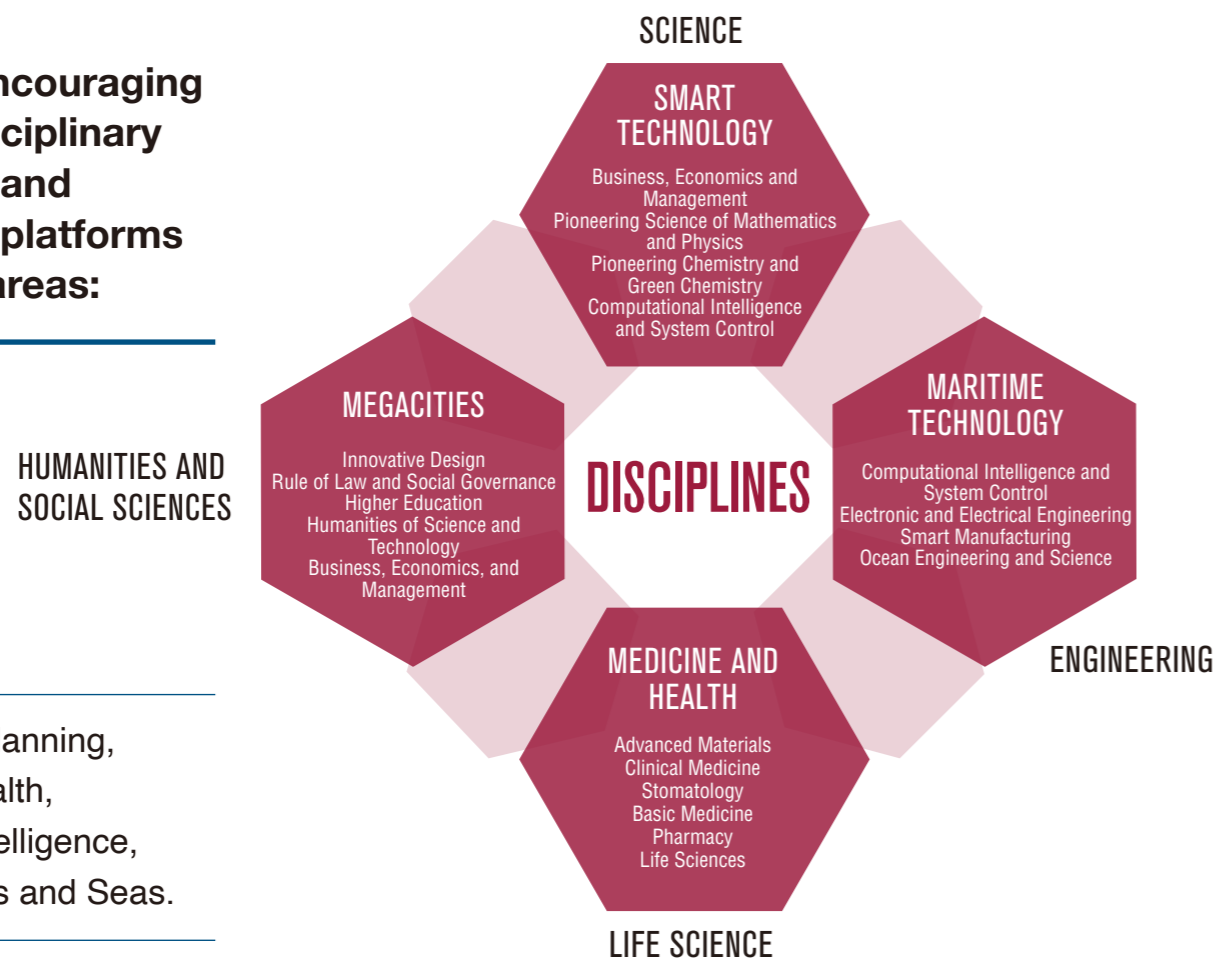


# RESEARCH AND INNOVATION

We are serving the community and contributing to a better future for humankind by exploring:

- ▶ new horizons for human well-being
- ▶ the secrets of the universe
- ▶ the deepest parts of the ocean
- ▶ the fundamentals of the human body
- ▶ environmental innovations to create harmony between nature and humanity

We are encouraging cross-disciplinary research and research platforms in these areas:



Megacity Planning, Human Health, Artificial Intelligence, and Oceans and Seas.

## Laboratories

1	National S&T Infrastructure	8	State Key Laboratories
4	National Engineering Research Centers	2	National R&D Center
3	National Collaborative Innovation Centers	2	National Engineering Laboratories
15	Key Laboratory of the Ministry of Education	7	Ministry of Health, Ministry of Agriculture, and other key laboratories
34	Shanghai Key Laboratory	6	National Centers for International Joint Research

CNY  
**6.6** Billion  
Research Funding

**10,429**  
Number of SCI Papers (2023)

**1,420**  
number of NSFC Projects ranked first in China for 13 consecutive years

## Innovation Platforms

SJTU believes that universities, research institutes and industries need to harness their combined intellect to make scientific and technological innovations. As part of that, the university promotes the transformation of scientific and technological achievements in schools, incubates innovative enterprises and serves new industries by taking advantage of the National Science and Technology Park. Also, SJTU established a full-chain entrepreneurship incubation platform, NeoBay, which has been developing high-tech leading industries, such as marine equipment, medical robots, artificial intelligence, and new materials, for the needs of the new era.





# RESEARCH HIGHLIGHTS

## Dark Matter

The PandaX observatory led by SJTU uses xenon as a target to search for dark matter particles and to study the fundamental properties of neutrinos. The experiment is located in the China Jinping Underground Laboratory, the world's deepest underground laboratory. Two phases of the experiment have been carried out by the collaboration in the past ten years, setting one of the world's most stringent limits to the dark matter-nucleon interaction strength. Since the summer of 2019, the collaboration has focused on the PandaX-4T (4-ton liquid xenon target) experiment.



## Visual understanding of human expression and posture, and its applications

Visual understanding of human expression and posture is a critical core technology for public safety in constructing a smart city. This technology could solve the challenging problem of current social governance, e.g., public security of the large-scale population, the remote identification of national-wide security, and mass online entertainment with human understanding technology, etc.

The team leading by Professor Ma has achieved international leading level results. Significant contributions have been made for the social governance, epidemic prevention and control of COVID-19, social entertainment in smart communities, and promoted the progress of the artificial intelligence industry.



## City Governance

Relying on the multidisciplinary advantages of SJTU, the China Institute for Urban Governance is focusing on the common problems faced by megacities. It has published various papers and reports in the relevant field. The Global Cities Forum is held annually in Shanghai to promote international exchange and cooperation between cities and to provide a high-end platform for China and the international community to share their experiences in urban governance and jointly address the challenges arising from rapid urbanization. In 2020, the China Urban Governance Research Institute of Shanghai Jiao Tong University was selected as a key think tank in Shanghai.



## The discovery of adult mammalian female reproductive stem cells and their developmental regulatory mechanism

Female germ cells include primordial germ cells, female germ stem cells, and oocytes. Oocytes are the key cells for females to perform reproductive functions. The decline in their quality and quantity will lead to the increase in female infertility and human birth defects, as well as the decline in livestock fertility and the increase in the number of endangered animals. Therefore, understanding the mechanism of female reproduction in order to improve the quality and quantity of oocytes has become a key scientific issue that needs to be resolved internationally. This important discovery revealed the existence of reproductive stem cells in the ovaries of adult mammals, opening up a new field of research.





## RESEARCH COLLABORATION

### Fraunhofer Project Center for Smart Manufacturing at Shanghai Jiao Tong University



The Fraunhofer Project Center for Smart Manufacturing at Shanghai Jiao Tong University is the 10th Fraunhofer Project Center in the world officially approved by the Fraunhofer Association of Germany. It is also the first Fraunhofer Project Center in China. This cooperation is a powerful combination of German Industry 4.0 and high-level research institutions in China's intelligent manufacturing. It creates a new model for international top non-profit scientific research institutions to enter China to carry out in-depth cooperation and to build a smart manufacturing innovation center with global influence in Shanghai.



### Joint International Research Laboratory of Metabolic & Developmental Sciences

The Laboratory of Metabolic and Developmental Sciences is a platform for world-class international collaboration in researching the fields of metabolism and developmental sciences. The lab's research focuses on three major areas: a) the genetics and biochemistry features of metabolism, b) the interactions between metabolism and development, and c) novel biotechnologies in metabolism engineering and developmental science. Research conducted in collaboration with MIT revealed the chemical and biological nature of DNA phosphorothioate modification and explained the heterogeneity and low modification frequency of DNA phosphorothioate in microbiology. These results led to a new research focus on epigenetics. Research conducted in collaboration with labs in the UK, Australia, and Korea on the molecular regulation of male fertility in rice made important discoveries that can be used to evaluate the bio-safety of GMOs.



### The International Science and Technology Cooperation Base of National Engineering Research Center for Nanotechnology

The International Science and Technology Base aims to promote collaborations between China and the rest of the world. The base focuses on five research areas: nano-biomedicine, nano-functional materials, nano-energy, nano-information, and nano-environment. During the novel coronavirus pandemic, the base has collaborated with the Center for Immunology and Vaccinology at the Imperial College of Technology in London to research therapeutic antibodies and vaccines to combat the virus. This project received funding and support from the British International Cooperation Fund.



### Energy and Environmental Sustainability Solutions for Megacities (E2S2)

In 2020, Shanghai Jiao Tong University and the National University of Singapore jointly established the International Joint Laboratory for Energy and Environmental Sustainability in Megacities. To solve the complex challenges and critical issues involved in the sustainable development of the energy environment in megacities, they established a network of the two places to provide innovative systems and platforms for cooperation between governments, regions and cities. The collaboration project of energy and environmental sustainability in megacities has deep cooperative accumulation and complementary effects based on a 9-year joint study by two universities.





# GLOBAL ENGAGEMENT

## Innovation Consortium Launched in Shanghai

An innovation consortium focusing on encouraging cooperation among enterprises, research institutes and universities across China and Germany was launched in Shanghai on Nov. 27th, 2022. The launch ceremony for the consortium was held during the 2022 Yangtze Delta International Conference on the Cooperation and Integration of Industry, Education, Research and Application. The opening ceremony was organized by SJTU. Three roundtables were also held during the one-day conference which attracted



prominent academics such as Turing Award laureate John E. Hopcroft, a foreign academician of the Chinese Academy of Sciences, and experts from 24 universities in China and abroad, including Osaka University, the Hebrew University of Jerusalem, Singapore's Nanyang Technological University and the Ocean University of China.

## SJTU Attends 15th China-ASEAN Education Cooperation Week

The China-ASEAN Education Cooperation Week aims to jointly promote communication and cooperation in education and other areas between China and ASEAN, and help the two parties build a closer community with a shared future. SJTU has signed respective communication and cooperation agreements with ASEAN as well as universities and scientific research institutions in Singapore, Thailand, Malaysia, the Philippines, Vietnam, and other ASEAN members. Additionally, SJTU has also signed an agreement of cooperation with the Government of



Singapore and the National University of Singapore on the second phase of the Energy and Environmental Sustainability Solutions for Megacities (E2S2) project, aimed at drawing upon the experience of governing megacities from Singapore and providing recommendations for the modernization of the national governance system and governance capacity.

## SJTU and University of Warwick Signed MoU Online for Deepening Partnership

President of SJTU Professor Lin Zhongqin and President of the University of Warwick (UoW) Professor Stuart Croft renewed their Memorandum of Understanding (MoU) via an online meeting on April 21<sup>st</sup>, 2022. The two universities have been promoting cooperation and made tremendous



achievements since 2017. The creative efforts made by both sides during the pandemic to conduct extensive and diverse online cooperation demonstrated the goodwill and determination for sustained collaboration.

## The 24th Academic Exchange Seminar between Shanghai Jiao Tong University and Osaka University was successfully held



The 24th Academic Exchange Seminar between SJTU and Osaka University was successfully held on Nov. 29th, 2022. The Opening Ceremony and Smart City Session were organized by the School of Mechanical Engineering of SJTU. As an important platform for inter-university cooperation and academic exchange, SJTU and Osaka University have held regular academic exchange seminars since 1995. The seminar is hosted by the two universities in turn once a year and promotes the effective academic cooperation in multiple fields. The seminars have continued to consolidate and expand the achievements of the exchange and cooperation between the two universities, promoting the continuous improvement of the research level of both universities.

## The Chinese Ambassador to Singapore, H.E. Sun Haiyan, Visits the SJTU Asia-Pacific Graduate Institute



Her Excellency Sun Haiyan, the new Chinese Ambassador to Singapore, visited the Shanghai Jiao Tong University Asia-Pacific Graduate Institute (SJTU-APGI)

on Aug. 17th, 2022. SJTU-APGI is the only independently established institute by a Chinese university in Singapore. With the basis of 30 years of postgraduate education and ten years of scientific research cooperation, SJTU opened a new chapter after being registered in Singapore. Currently hosting more than 100 students, the institute has also developed cooperative relationships with Singaporean universities, government, and enterprises and is now exploring more collaborative opportunities in Southeast Asia. Sun Haiyan expressed her high expectations for SJTU-APGI and affirmed the excellent operation and successful results of its large-scale international cooperative research projects.



## SJTU Brings Extra Vigor to the Beijing 2022 Winter Olympic Games



Through hardcore technologies, traditional cultural events, and celebration activities among the teachers and students, Shanghai Jiao Tong University brought extra vigor to the Beijing 2022 Winter Olympic Games. A hexapod skiing robot created by the legged robot research team from the SJTU School of Mechanical and Power Engineering and the School of Electronic Information and Electrical Engineering passed on-slope tests. The robot finished numerous tasks including racing, turning, route planning, obstacle avoidance, and human-robot interaction through intelligent sensing and braking control. In the tests, the robot showed high flexibility and agility. In addition, it can be controlled remotely by human-computer interaction, which enables it to ski through crowds and adds the fun of skiing with a robot for the skiers.

## 2022 SDG July Camp successfully held

The inaugural SDG July Camp hosted by SJTU officially closed on July 16<sup>th</sup>, 2022, at 2 pm Beijing time. Around 150 participants attended the online closing ceremony, including instructors and students from 35 partner universities in 22 countries from across five continents. The SDG July Camp took the United Nations Sustainable Development Goals (SDG) as the framework to integrate multiple disciplines in a series of coursework and engaged students from different cultural backgrounds in collaborative learning settings. The SDG July Camp consisted of 11 elective courses, which included topics such as poverty and mental health, clean energy, and sustainable cities and communities. The online sessions were delivered through the communication platform Feishu/Lark. Participants consisted of undergraduates,



graduate students, and Ph.D. candidates. Under the guidance of instructors from around the world, the international and domestic students formed teams to conduct discussions and develop solutions to complex problems.

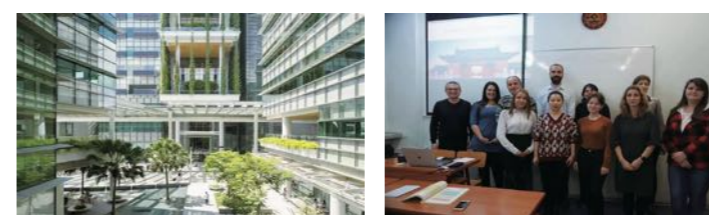
## Global Virtual Classroom

Jiao Tong Global Virtual Classroom Initiative encourages Shanghai Jiao Tong University faculty to co-create collaborative online international learning courses with peers at universities around the world. SJTU faculty and their international partners jointly build or share undergraduate or postgraduate courses. Courses are delivered either synchronously or asynchronously. Students from different regions and cultural backgrounds will be able to gain global perspectives and deepen their understanding of the subject matter and cross-culture through engaging in the global virtual classroom. Courses taught in English, covering all disciplines: Science, Engineering, Agriculture, Medicine, Humanities and Social Sciences.



## Overseas Centers/Offices

Four overseas centers/offices in Singapore, Bulgaria, France, and the United States are part of SJTU's globalization efforts. SJTU aims to expand its cooperation and exchanges, recruit international minds and students, and enhance its international influence.



## 2022 SJTU Study Abroad Fair

In 2022, the 7th Global University Overseas Education Exhibition of Shanghai Jiao Tong University was held on December 8-10, attracting more than 30 well-known universities from the United Kingdom, Germany, France, Japan, Australia, Singapore, and other countries and regions. More than 2,000 SJTU students participated in online communication and interaction during this exhibition.



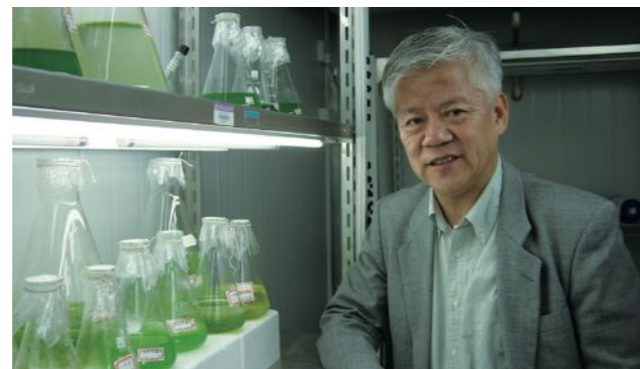


# SERVICE

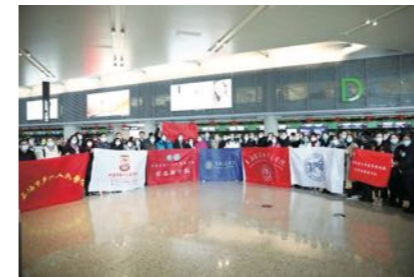


Shanghai Jiao Tong University has been helping Eryuan County in Yunnan Province since 2012.

After years of hard work, Eryuan County had limited poverty by official standards by 2018. SJTU on the fields of agriculture, ecology, education, medical and health care. While alleviating poverty, the university also seeks to assist local education. The 2022 Project Innovation Awards (PIA) of International Water Association (IWA) were presented to the project "Achieving A Paradigm Shift of Water Pollution Control and Social Development: Erhai Lake Project".



After an extended effort, China announced that it had eliminated extreme poverty within its borders. SJTU was devoted to fighting against poverty and furthering social well-being in China. Four SJTU members, Wang Xinze, Chang Zhubin, Di Jianzhong and Zhao Jian, and a medical surgery team, Department of Surgery at Xinhua Hospital, affiliated with Shanghai Jiao Tong University, were given the honor for the "National recognition on the Anti-poverty".



During the epidemic, a total of 570 SJTU medical staff from Jiao Tong University rushed to the front lines in Wuhan to help build what became termed "The Great Wall in White" to stop the epidemic, coupling ideals in medical ethics with practical actions. At the same time, there were 182 SJTU medical workers supporting the Shanghai Public Health Center.







# MUSIC AND PERFORMANCE ART

SJTU believes art makes the world a better place. Every year, numerous art performances are held on SJTU's campus so that students and faculty members can enjoy and take part in the performances throughout the year. Even the pandemic cannot stop SJTUs. Many students produced short videos, including music videos and choirs, to encourage each other online.



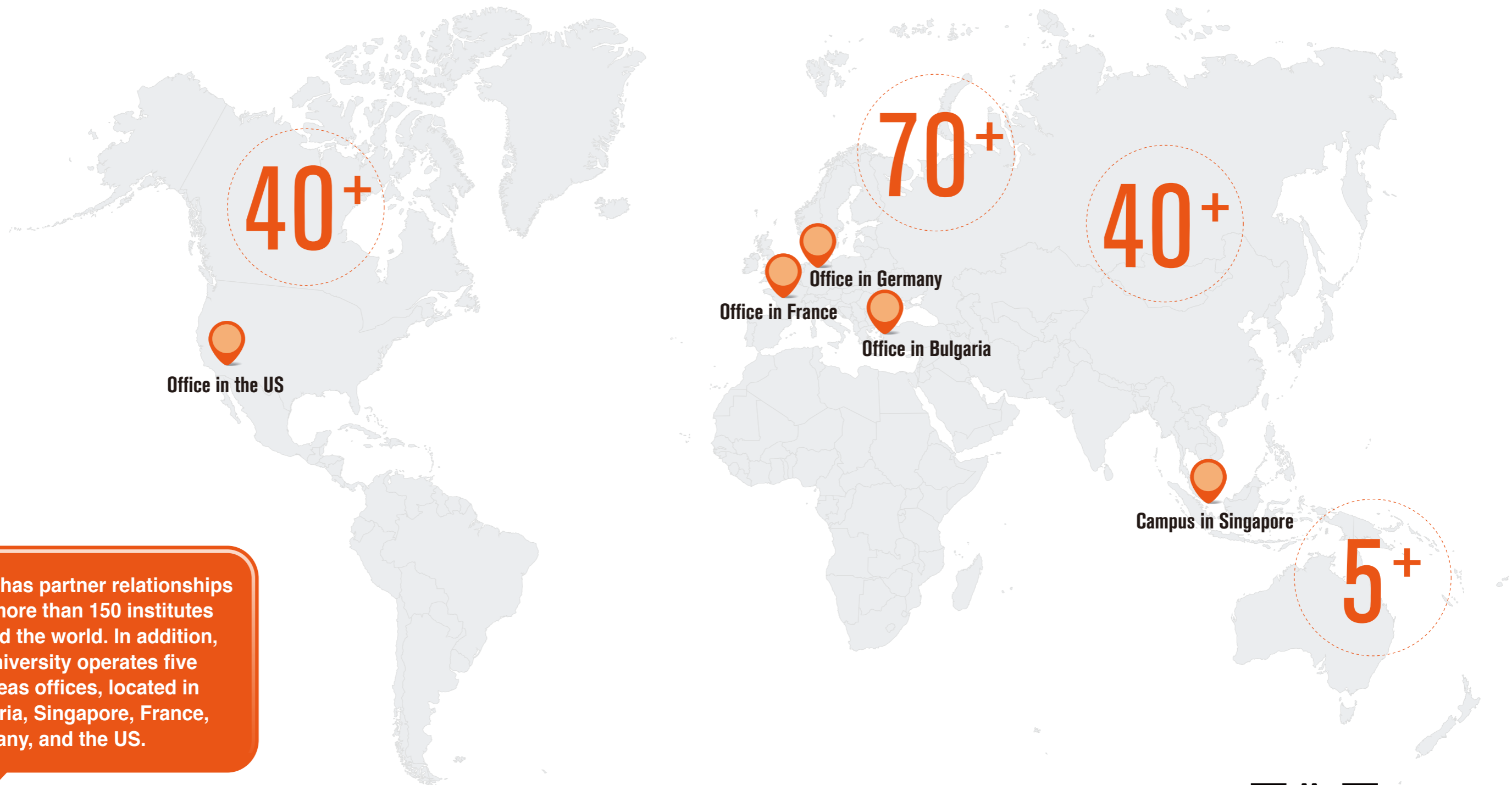
# SPORTS

Many athletic activities are available to students at SJTU. Of particular note, the Dragon Boat Rowing Club scores highly at an annual dragon boat competition. Every spring, students and faculty members enjoy cheering on the dragon boat races that take place on the lake on campus.





# GLOBAL PARTNERS



SJTU has partner relationships with more than 150 institutes around the world. In addition, the university operates five overseas offices, located in Bulgaria, Singapore, France, Germany, and the US.

SJTU is a member of the following international associations:



Scan here to watch a video 'Global SJTU'