



上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

2025 SJTU GLOBAL SUMMER SCHOOL



Contact :
<http://summerprogram.sjtu.edu.cn/>
Email: isc.mobility@sjtu.edu.cn



PROGRAM OVERVIEW

SJTU welcomes undergraduate and graduate students from all over the world to study in Shanghai, one of the most dynamic cities in China. This summer, we invite you to enhance your academic credentials, advance your career, and explore your interests.

The 2025 Global Summer School provides excellent opportunities for students to learn about China through academic and cultural immersion. A wide range of courses in various disciplines are provided, including Aerospace Engineering, Environmental, Social, and Governance (ESG) Solutions for Resource and Climate Management, Food Science and Global Health, and Chinese Law, with each course accompanied by Chinese language courses.

In addition to academic lectures, international students can participate in local excursions, cultural activities, and field trips. Through these extracurricular activities, students will gain a deeper understanding of Chinese culture, history, politics, and the latest developments in the country. This is a chance to experience Chinese culture firsthand and make friends from China and all around the world.

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



→ Eligibility

- A. Students from overseas, Hong Kong, Taiwan, and Macao must be enrolled as an undergraduate or graduate student before applying for this program.
- B. Students from non-English-speaking countries should provide an English language proficiency certification: IELTS (minimum score of 6.0), TOEFL (minimum score of 79), or TOEIC (minimum score of 800). If you are studying in an all-English-taught program, you must provide relevant certifications.
- C. Other prerequisites may be required by each course.

→ Application Process



- A. Please apply via the following website :
<http://apply.sjtu.edu.cn>
The following items must be uploaded to the online application:
 - A scan of the ID page of the student's passport. The passport must be valid for at least 6 more months for the visa application.
 - An ID photo (Similar to a passport photo)
 - Curriculum vitae (CV)
 - Motivation letter
 - Language proficiency certificate (If applicable)
- B. Applicants can only enroll in one course in the program.

→ Course Schedule

- A. Lectures will be held in the morning, and field trips or company visits will be arranged in the afternoons from Monday to Thursday. The Chinese language and culture courses will be conducted every Tuesday and Thursday afternoon. There are no classes on Fridays. Cultural trips will be arranged on weekends.
- B. If the number of participants is less than 15 students, the course will be cancelled. If this is the case, students will be notified via the website by the 30th of May, 2025. Students have two course selections when filling out the online application. If the first course is cancelled, the applicant will be automatically reassigned to the second course.
- C. Please check our website for the updated version of the schedule for each course.

→ In addition to the excellent lectures, you will also experience the following when joining the program:

- > Welcome reception
- > Cultural events
- > Field trips
- > Unique cultural experiences
- > Integration with local students

→ Credit
2 Credits

→ Important Dates

Duration	2025.6.30-2025.7.13
Application period	2025.1.1-2025.5.30
Application deadline	2025.5.30
Registration & dormitory check-in	2025.6.30 8:30am-5:00pm
Welcome reception	2025.7.1
Courses begin	2025.7.2
Courses end	2025.7.11
Dormitory check-out	2025.7.13 8:30am-5:00pm

→ Fees

Application fee	CNY 400(USD 60)
Tuition fee	Please check each program for more details.
Payment deadline	2025.5.30

The culture trip and accommodation fee are not included in the tuition fee.

→ Refund Policy

**The application fee is non-refundable.

Withdrawal is defined as dropping of an entire academic program. All cancellation requests must be sent to isc.mobility@sjtu.edu.cn.

Cancellation Date	Remarks
By May 30,2025	Full refund
By July 1,2025	50% refund
After July 1,2025	No refund

→ Announcement

You will be notified of the result through our website, and by email within two weeks of completing the application.

→ Accommodation

The 2025 Global Summer School will be held at Minhang and Xuhui campus. Students can choose on-campus or off-campus accommodation based on the location of the classes.

For on-campus accommodation, room reservations should be made online at dorm.sjtu.edu.cn in June and the accommodation fee paid online. All students living in on-campus accommodation should obey SJTU's accommodation rules and regulations. Due to limited on-campus accommodation, students can also choose off-campus accommodation.

More detailed information regarding accommodation reservation will be released once you have been admitted to the Global Summer School.

For more information, please contact the International Student Service Center
Minhang Campus: issc_minhang@sjtu.edu.cn +86-21-34203955

CONTENT



- Course Title: S021 Outlook of Future Techniques in Aerospace Engineering
- Course Title: S022 Environmental, Social, and Governance (ESG) Solutions for Resource and Climate Management
- Course Title: S023 Food Science and Global Health
- Course Title: S024 Chinese Law
- Course Title: S025 Language Technology in Applied Linguistics
- Course Title: S026 Exploring AIGC and Cultural Creative Industries
- Course Title: S027 Future Energy

→ Visa

SJTU will provide students with electronic DQ form and admission notice. Applicants should bring the visa paperwork, admission notice, DQ form, and a valid passport to the local Chinese embassy or consulate to apply for a short-term student visa (usually visa type “X2”). Students from visa-waiver-countries shall also hold a valid student visa (X2 type visa) for entry. Those who are already in China need to submit a copy of the visa page, residence registration notice, and all of the above application documents to the PCB in Shanghai after registering at SJTU.

The DQ form and the admission notice will be sent to the applicant via an email within two weeks after May 30, 2025.

* If you are a local student from Hong Kong, Macao, or Taiwan, you do not need the DQ form.

→ Insurance

Students who plan to attend this program should obtain insurance before studying in China. Each student must present the insurance certificate to the administrative staff on the day of registration.

→ Transcript

Official transcripts will be sent out in September to the email address you indicated in your application. Students who wish to transfer credits need to obtain pre-approval from the relevant authorities at your home universities.

→ Certificate

An official certificate will be issued to the student who completes the course by the University.

→ Contact

Email: isc.mobility@sjtu.edu.cn

Website: <http://summerprogram.sjtu.edu.cn/>

S021

Outlook of Future Techniques in Aerospace Engineering

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Minhang

Tuition Fee:
CNY5500 (USD750)



Course Description »

This course aims to introduce participants to aerospace engineering innovation in China and, by extension, to the world, including the history, development, current status, and future of Chinese and Shanghai, including the culture of China and Shanghai. The goal is to establish an “International trend, Global demand, Chinese Strategy, Shanghai Strength, and SJTU brand”.

In particular, participants will learn the basics of aerospace engineering through lectures, aerodynamic demonstrations, and experiments in a lab setting. Students will explore the field of aerospace engineering, tour SJTU research labs and learn how experimental data is collected in different research fields in aerospace engineering. Various experiments will be conducted on plane models. Participants will also have the opportunity to interact with our brilliant faculty, graduate researchers, and undergraduate students in the field.

Highlights »

- > University-enterprise cooperative curriculum: Field trip to Commercial Aircraft Corporation of China, Ltd. (COMAC, big plane manufacturer)
- > The resources at a world-class university: The world's top faculties; SJTU research labs; SJTU Qian Xuesen Library & Museum.
- > Internationalization of engineering education: To adopt new engineer training models; To pursue cultural integration, resources integration and discipline integration.
- > By the end of this 2-week study experience, students should have basic knowledge and understanding of the rich history, flourishing present and bright future of Aerospace Science and Technology Development.

Instructors »

Professor XU Wu
Email: xuwu@sjtu.edu.cn

Prof. XU Wu holds a Ph.D. from Shanghai Jiao Tong University (2007-2012) and a B.S. from Harbin Engineering University (2003-2007). Currently, he serves as a Tenured Associate Professor at the School of Aeronautics and Astronautics, Shanghai Jiao Tong University. His research interests encompass several areas, including fracture mechanics—specifically the weight function method, fracture criteria, and fatigue crack propagation; composite materials mechanics involving interlaminar delamination, in-plane fracture, testing methods, and standardization; and aircraft structural fatigue and damage tolerance, focusing on fatigue and crack growth life prediction and experimental validation, as well as the development of damage tolerance analysis software.

Assessment

Attendance: 15%
Participation in class: 35%
Final program summary: 50%

Contact

Program Director: Prof. Wu Xu (xuwu@sjtu.edu.cn)
Program Coordinator: Ms. Shan Gao (gaoshan3@sjtu.edu.cn)



S022

Environmental, Social, and Governance (ESG) Solutions for Resource and Climate Management

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Minhang

Tuition Fee:
CNY3500 (USD478)

Course Description »

The Global Summer School of the School of Environmental Science and Engineering will focus on sustainable development, exploring multidimensional issues such as climate change, resource management, the circular economy, air pollution, food systems, and health. This course particularly emphasizes the key role of Environmental, Social, and Governance (ESG) in driving global sustainability, exploring how strategies such as systematic resource and waste management, low-carbon economic transformation, and global trade optimization can achieve the synergistic development of economic, social, and environmental goals. We will analyze the interconnections between climate change, resources, health, and society, and explore how the ESG framework can promote collaborative efforts between businesses, governments, and society to address the complex environmental challenges facing the world today.

The course will focus on how circular economy practices can facilitate the synergies between resource management and climate change responses; explore the impacts of climate change on businesses and supply chains in the context of global value chains; analyze the interaction between low-carbon economy and circular economy, and examine how policies and innovative practices can address the dual challenges of air pollution and climate change. The course will also highlight the close connection between food systems and health, with a particular focus on innovative pathways to promote global well-being and sustainable food systems.

Through a combination of theoretical learning and practical case studies, the course will help students gain a deep understanding of the vital role of ESG in driving global sustainability transformations. It will also equip students with the interdisciplinary collaboration and innovative thinking skills needed to tackle contemporary environmental challenges. Designed with a global perspective and emphasis on diverse cooperation, this course aims to cultivate future leaders who can promote sustainable development and social progress in the context of globalization, environmental change, and resource constraints.

Highlight »

- > Half-day tour of Nanxiang Sewage Treatment Plant.
- > Half-day tour of Grand neoBay Global Innovation and Entrepreneurship Community.
- > Half-day tour of Shanghai Urban Planning Exhibition Hall.
- > Half-day tour of Shanghai Xinqinqiao Environmental Protection Company, which is the biggest electrical and electronic waste treatment base in Shanghai.

Instructors »

Professor Yong Geng
Email: ygeng@sjtu.edu.cn

Prof. Yong Geng is the Dean and a distinguished professor of the School of Environmental Science and Engineering at Shanghai Jiao Tong University, as well as the Associate Dean of the China Institute of Urban Governance at Shanghai Jiao Tong University. His main research interests include industrial ecology, environment management, and climate change policies. He has published over 200 peer-reviewed papers in prestigious international journals such as Science, Nature, Nature-Climate Change, and Environmental Science & Technology. In 2013 he received the National

Science Fund for Distinguished Young Scholars from the Natural Science Foundation of China (NSFC) and in 2014 the title of "National hundred and thousand talents" from Ministry of Human Resources. He is a member of various organizations and scientific communities, including serving as the Lead Author of the IPCC AR-5 and IPCC AR-6, and as a national expert for United Nations Industrial Development Organization (UNIDO).

Professor Huijuan Dong
Email: donghj@sjtu.edu.cn

Professor Huijuan Dong is an Associate Professor in environmental management. She has been conducting research on industrial and urban symbiosis, low carbon city, environmental footprint and urban recycling by employing input-output analysis (IO), lifecycle analysis (LCA), emergy methods and CGE and GAINS models for 9 years. She has participated in many national funds and local projects related to sustainable city development.

Professor Jing-Yu Liu
Email: liu.jingyu@sjtu.edu.cn

Professor Jing-yu Liu is an Associate Professor at the School of Environmental Science and Engineering, Shanghai Jiao Tong University, China. Her main interests research includes environmental management, climate policy assessment, integrated assessment models, and sustainable development. She has published over 20 peer-reviewed papers in top journals such as Climate Change Economics, Environmental Research Letters, GCB-bioenergy. She has been the host of or a participant in the Shanghai Pujiang Project, as well as a number of National Science Funds. Since 2023, she is a member of the Advisory Panel of Environmental Research Letters. Professor Liu is also a council member of the Society for the Studies of Carbon Finance.

Assessment

Attendance: 20%
Participation in discussion: 20%
Visit report: 20%
Group presentation: 40%

Contact

Program Director: Professor Jing-Yu Liu
(liu.jingyu@sjtu.edu.cn)
Program Coordinator: Ms. Hongyu Chen
(sjtu4576778@sjtu.edu.cn)



S023

Food Science and Global Health

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Minhang

Tuition Fee:
Free

Course Description »

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. Participants will examine 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.

Highlight »

- > 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.

Instructors »

Professor Lianzhong Ai

Prof. Lianzhong AI is a Distinguished Professor and the Dean of the School of Agriculture and Biology, SAB. His main research areas include the selection and utilization of excellent food microorganisms, research and development of dairy products, and the structure and function of bioactive polysaccharides. He has been successively selected for the National Science Fund for Distinguished Young Scholars, the National Ten Thousand Talents Program for Leading Scientific and Technological Innovators, the National Outstanding Young and Middle-aged Experts, the National Millions of Talents Project, the State Council's Special Government Allowance Experts, the Young and Middle-aged Innovative Leading Talents, the Shanghai Leading Talents, and the Shanghai Shuguang Scholars. He is also a member of the New Century Excellent Talents by the Ministry of Education. Serving as the director of the Shanghai Engineering Technology Research Center for Food Microbiology, an executive director of the Chinese

Institute of Food Science and Technology, the director of the Science Popularization Committee of the Chinese Institute of Food Science and Technology, and the vice chairman of the Probiotics Branch of the Chinese Institute of Food Science and Technology.

Professor Zuobing Xiao

Prof. Zuobing XIAO is a Distinguished Professor of the Department of Food Science and Engineering at SAB, SJTU. His research directions include food flavor and nutritional health, food flavor science and technology, analysis and identification of natural fragrances, and aroma synergy and release control. He is a recipient of the National Science and Technology Progress Award, the Chief Scientist of the "Nano Science and Technology" Key Research and Development Plan, an expert receiving special government allowance from the State Council, a national-level candidate for the "National Youth Talents Project," and a reviewer for the National Natural Science Foundation. He has

been honored as an Outstanding Teacher in China, a Leading Talent in Shanghai, an Excellent Shanghai Shuguang Scholar, a recipient of the Shanghai "May 1st" Labor Medal, and a Shanghai Labor Model.

Professor Xinlin Wei

Prof. Xinlin WEI is a Research Fellow of the Department of Food Science and Engineering at SAB, SJTU. His research focuses on food processing and quality safety, which mainly includes tea quality safety and health, rapid detection of food safety, and the deep processing of agricultural products and functional foods. He has long been engaged in research and development related to tea and food safety and health, leading over 20 national key research programs, including projects from the 13th Five-Year Plan and the National 863 Program, as well as major key projects in Shanghai. As the first author and corresponding author, he has published over 40 SCI papers in journals such as the Journal of Agricultural and Food Chemistry, authored 6 books, and established 6 national food safety standards.

Professor Chunlei Shi

Prof. Chunlei SHI is a professor of the Department of Food Science and Engineering at SAB, SJTU. Her research interests include Detection and subtyping of foodborne pathogenic bacteria; Prevalence, persistence and stress survival of foodborne pathogenic bacteria on food chain from farm to table. She has presided over fifteen research projects, including a NSFC Fund, a NSFC Young Fund, a NSFC-Guangdong Joint Fund, a Project in the National Key R&D Program of China, a Project in the National Sci & Tech Pillar Program and several projects from Science and Technology Commission of Shanghai Municipality. She has published 72 papers (43 papers were SCI indexed), and participated in compiling 5 books. She has also taken part in applying 25 patents and 15 patents have been issued.

Professor Zhongquan Sui

Prof. Zhongquan SUI is a professor of the Department of Food Science and Engineering at SAB,

SJTU. Her research interests include Starch modification; Structure-functional property of polysaccharides. She hosted and participated in over 13 research projects, including an NSFC Fund, an NSFC Young Fund, the National Key R&D Program of China, and several projects from the Science and Technology Commission of Shanghai Municipality. She has published 46 SCI papers (28 papers with IF>5.0, 3 highly cited papers, and 2 SCI papers invited by the special issue). The highest impact factor of a single paper is 11.077, and the cumulative impact factor is 221.861. She edited one English book published by Springer, participated in the editing of two English books, and had 7 authorized invention patents.

Associate Professor Yiping Cao

Dr. Yiping CAO is a Tenure Track Associate Professor of the Department of Food Science and Engineering, head of Lab of protein structure and functionalities at SAB, SJTU. His research focuses on Molecular design of protein hydrogels, oleogels, aerogels for food replacements; Bioactivity and biological fate of protein assemblies. Yiping Cao received his PhD from ETH Zurich in 2020, where he worked on the gelling and reversible properties of protein nanofibrils. He then spent two years as Postdoc Fellow and Associate at MIT, focusing on the design of high-performance protein-based thermosets and plastics. In 2022 he was appointed as an Associate Professor at SJTU to start a group on protein structure and functionalities. He is a recipient of the SNSF Mobility Fellow in 2020, the ETH Medal in 2021, and the NSFC Excellent Young Scientist in 2021.

Associate Professor Lingjun Zheng

Dr. Lingjun ZHENG is a Tenure Track Associate Professor of the Department of Food Science and Engineering at SAB, SJTU. Her research focuses on Nutritional interventions for the prevention of neurodegenerative disorders; How host-microbial interactions shape the nutrient environment of the intestine. Lingjun ZHENG received her PhD from MCD Biology-University of Colorado Boulder in 2018. She then spent two years as Postdoc Fellow and Associate

at the same school. In 2022 he was appointed as an Associate Professor at SJTU.

Associate Professor Shengli Zhang

Dr. Shengli ZHANG is a Tenure Track Associate Professor of the Department of Food Science and Engineering at SAB, SJTU. His research focuses on Protein Chemistry, Nutrition and Food Safety, Protein Design and Application, Nanopore-Directed Design and Functional Applications. He has published multiple papers as the first or co-first author in journals such as Nature Chemistry, Nature Nanotechnology, Angewandte Chemie International Edition, ACS Nano, and Small, and has obtained a PCT international invention patent that has been commercially transformed in the UK and the Netherlands. He has been honored with titles such as Shanghai Municipality's High-Level Overseas Talent and Oriental Elite. Currently, he is leading funds including the National Natural Science Foundation of China's general project, the Oriental Elite Fund project, and research topics from the National Dairy Industry Technology Innovation Center.

Assessment

Attendance: 25%

Participation in question discussion: 25%

Summary and report: 50%

Contact

Program Coordinator: Ms. Yuxuan Hao
(haoyuxuan@sjtu.edu.cn)



S024 Chinese Law

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Xuhui

Tuition Fee:
CNY14000
(USD1910)

Course Description »

In June 2002, KoGuan School of Law of Shanghai Jiao Tong University was established, marking a new era in legal education. With strong support from the university as well as the community, KoGuan School of Law has successfully made a breakthrough 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, 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.

Highlights »

This program enables students to have a more comprehensive understanding of Chinese law and a more intuitive understanding of the working environment and development status of the Chinese legal profession. In this program, they can not only experience the professional and international level of the Chinese legal profession, but also feel different legal cultures and experience the diversified Chinese culture.

Instructors »

Professor Jiaxiang Hu
Email: jxhu@sjtu.edu.cn

Professor of KoGuan School of Law, SJTU. His main research interests include international law, international economic law, WTO law, biosecurity law.

Professor Wei Shen
Email: shenwei@sjtu.edu.cn

Professor of KoGuan School of Law, SJTU. His main research interests include international investment law, corporate governance, financial regulation, and international commercial arbitration.

Professor Liyang Hou
Email: liyang.hou@sjtu.edu.cn

Professor of KoGuan School of Law, SJTU. His main research interests include competition law, telecom regulation, innovation, economic analysis of law and comparative law.

Professor Ge Zheng
Email: zhengge@sjtu.edu.cn

Professor of KoGuan School of Law, SJTU. His main research interests include Chinese constitutions, comparative constitutions, and jurisprudence.

Professor Yan Lin
Email: yanlin1@sjtu.edu.cn

Professor of KoGuan School of Law, SJTU. His main research interests include constitutional enforcement mechanisms, the right to amend basic laws, the right to inspect law enforcement, the legal inquiry and reply system, and the U.S. Constitution.

Associate Professor Juan He
Email: juanhe@sjtu.edu.cn

Associate Professor of KoGuan School of Law, SJTU. Her main research interests include international trade rules and practices, strategic industrial policy, fisheries agreements and legislation, wildlife trade, and the United Nations Sustainable Development Goals.

Contact

Program Director: Jiancheng Yang (yangjc@sjtu.edu.cn)

Program Coordinator: Xiaoyang Dong (x.y.dong@sjtu.edu.cn)



S025

Language Technology in Applied Linguistics

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Xuhui

Tuition Fee:
Free

Course Description

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.

Highlight »

The Shanghai Jiao Tong University "Language Technology Workshop" Summer School aims to introduce more than ten mainstream research tools and corresponding research methods to undergraduate and graduate students, both domestic and international, who are interested in applied linguistics research through an intensive short-term program. The project emphasizes the integration of theory and practice. Over a two-week period, it will invite ten experts, including tenure-track professors from prestigious universities such as the University of Chicago and Florida State University, to focus on introducing commonly used hardware in linguistic research, such as eye trackers and EEG devices, as well as software tools like E-prime, Praat, ELAN, Nvivo, and structural equation modeling. Additionally, the program will invite influential linguists from both China and abroad to demonstrate the application of these tools in linguistic research through case studies. All students will have ample opportunities for hands-on practice under expert guidance, enabling them to gain a preliminary mastery of these tools and methods. Through group discussions and other interactive formats, they will also explore the feasibility of conducting innovative research using these tools. To enhance the learning experience of international participants, the program will organize cultural activities tailored to their cultural backgrounds, offering them an immersive experience of Chinese culture. The "Language Technology Workshop" is a rare short-term academic training program that provides a comprehensive introduction to research tools and methods in applied linguistics. It highlights Shanghai Jiao Tong University's interdisciplinary approach of integrating "technology + humanities" and its talent cultivation model of combining "theory + practice." With its internationally diverse faculty and student body, the program also contributes to enhancing the global influence of China's graduate education and academic research.

Instructors »

Professor Xiaohong Wen

Wen Xiaohong, Professor and Director of the Chinese Studies Program at the University of Houston, USA. Vice President of the Language Theory and Language Education Research Division of the World Chinese Language Teaching Association, and a member of the Academic Advisory Committee on World Languages of the College Board. Engages in empirical research using quantitative and qualitative approaches, including Chinese second language acquisition, interlanguage pragmatic development, second language learning motivation factors, and heritage language learning. Has published five recent books and over 40 academic papers. Her papers are widely cited, and her second language motivation scales are adopted in various language studies. She has received multiple major research grants from U.S. federal and university levels, as well as the Chunhui Fund for Outstanding Chinese Scholars from China.

Professor Xiaorong Wang

Wang Xiaorong, Associate Teaching Professor in the Department of East Asian Languages and Civilizations at the University of Chicago, holds a Bachelor's and Master's degree in Teaching Chinese as a Foreign Language from East China Normal University, and a Ph.D. in Education from the University of Wisconsin-Milwaukee. She has taught in Chinese programs at the University of Virginia, Middlebury Summer School, University of Wisconsin-Milwaukee, and the University of Chicago. She has offered various courses in elementary, intermediate, and advanced Chinese, as well as Chinese culture courses for advanced learners, covering topics such as Chinese cinema, Chinese culinary culture, business Chinese, and more. Her research interests include Chinese language teaching theory and practice, interdisciplinary content teaching, film teaching, and summer study abroad programs.

Assistant Professor Zhiying Qian

Qian Zhiying is an assistant professor at Florida

State University. She received her PhD in East Asian Languages and Cultures, with a certificate in Second Language Acquisition and Teacher Education, from UIUC in 2015. She specializes in psycholinguistics, second language acquisition, and language program management. Prior to joining Florida State University, she held the position of Chinese Program Coordinator at the University of Colorado Boulder. She has studied Japanese at the Inter-University Center for Japanese Language Studies in Yokohama, Japan. Her research involves sentence processing by native speakers and second language learners of Chinese. She uses time-sensitive measures, such as EEG and eye-tracking, to investigate the moment-by-moment changes in the cognitive processes underlying language comprehension.

Associate Professor Boquan Liu

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

Director of the Center for International Chinese Education. He has been recognized as a high-level talent at the provincial and ministerial levels. His primary research areas are clinical linguistics, mechanisms of second language acquisition, and neurolinguistics. He has undertaken national and provincial-level projects, and participated in major national social science projects as well as projects funded by the U.S. National Institutes of Health. As the first author and corresponding author, he has published over twenty papers in domestic and international journals, including the Journal of Speech, Language, and Hearing Research, Journal of Voice, Folia Phoniatica et Logopaedica, and Annals of Otolaryngology, Rhinology & Laryngology.

Associate Professor Tian Hong

Hong Tian is an associate professor on the teaching track at Shanghai Jiao Tong University. She holds a Ph.D. in Basic Psychology (with a focus on language cognition) from Beijing Normal University and

completed her postdoctoral training and research fellowship at Haskins Laboratories at Yale University, USA. Her research focuses on psycholinguistics, dyslexia, and child language development. Her major research findings have been published in international academic journals such as Brain and Language, Research in Developmental Disabilities, Developmental Neuropsychology, Journal of Speech, Language, and Hearing Research, and Frontiers in Psychology. She serves as the Chair of the Youth Editorial Board of the International Journal of Chinese Language Teaching, is a member of the Society for the Neurobiology of Language, and has led several provincial and ministerial projects, including those funded by the National Social Science Foundation and the Ministry of Education's Center for Language Education and Cooperation. Hong Tian has extensive experience in laboratory work and management, and is proficient in theories and techniques related to language development and cognitive neuroscience (such as near-infrared functional imaging and EEG).

Assistant Professor Shujian Guo

Guo Shujian, Assistant Professor at Tongji University. He holds a PhD from Shanghai International Studies University and was a visiting scholar at the University of Limerick in Ireland. As the first author or corresponding author, he has published 10 papers in core domestic and international journals indexed by CSSCI and SSCI. His work has been reprinted once in Xinhua Digest and once in Chinese Social Sciences Digest. He has independently led one project funded by the Ministry of Education, participated in two national social science projects, and two provincial or ministerial-level projects. He is proficient in research methods such as corpus construction, corpus statistics, and structural equation modeling. He also participated in writing the Ministry of Education's Report on the State of the World's Languages.

Assessment

Attendance: 20%

Participation in question discussion: 20%

Final Program Summary: 60%

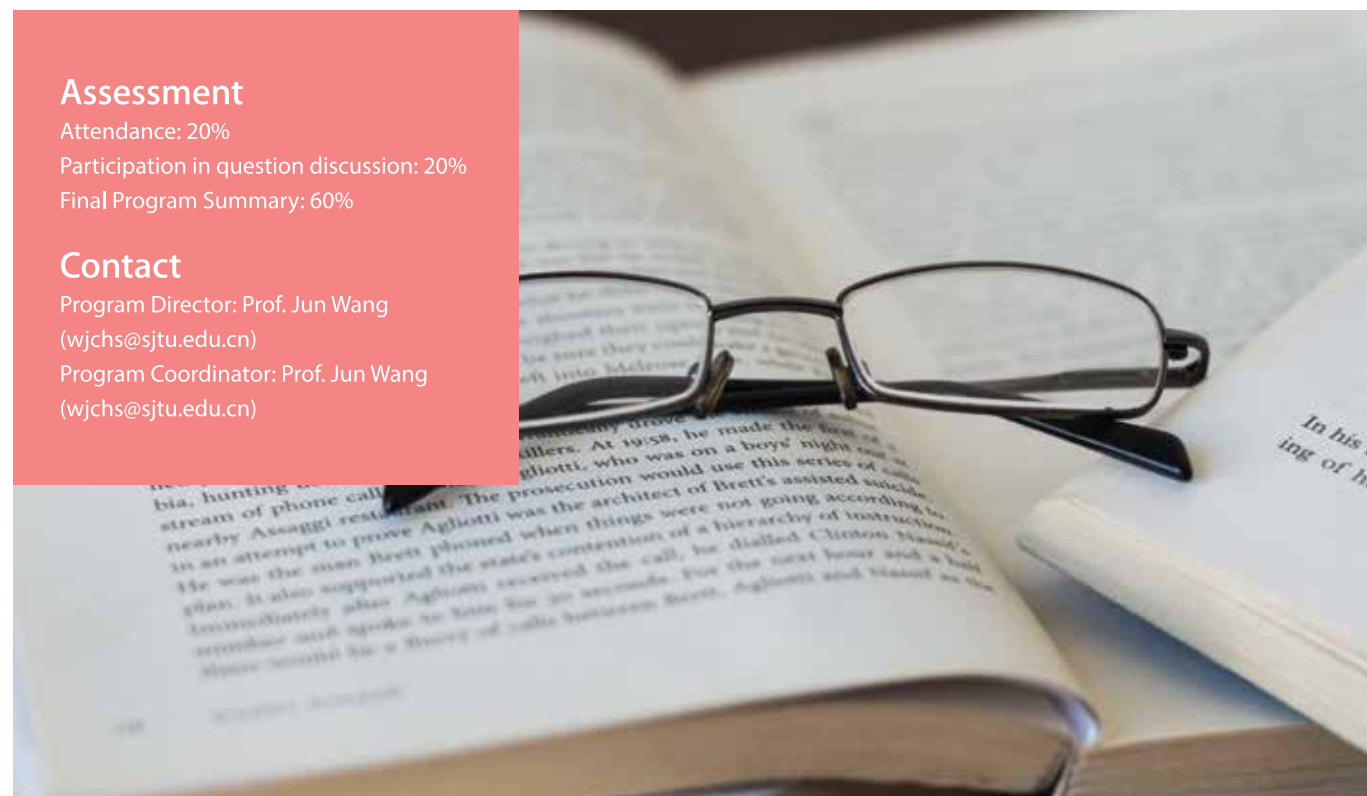
Contact

Program Director: Prof. Jun Wang

(wjchs@sjtu.edu.cn)

Program Coordinator: Prof. Jun Wang

(wjchs@sjtu.edu.cn)



S026

Exploring AIGC and Cultural Creative Industries

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Minhang

Tuition Fee:
CNY9500
(USD1300)

Course Description

Exploring AIGC in the Cultural and Creative Industries is a comprehensive course designed for international students, focusing on the multimodal applications of generative artificial intelligence (AIGC) technologies in the cultural and creative industries. The course covers modules on text generation, image and video production, sound creation, and commercialization pathways. Through theoretical learning, hands-on experiences, and visits to cultural and creative enterprises, students will enhance their interdisciplinary practical skills and creative literacy.

Highlight »

- > Multidisciplinary Integration: Multimodal AIGC content creation across text, images, and sound.
- > Hands-On Practice and Immersive Experiences: Includes visits to Shanghai's cutting-edge cultural and creative enterprises and popular cultural activities.
- > Commercial Applications: Exploration of AIGC use cases and business prospects in advertising, branding, and film industries.
- > International Team: A team of AIGC experts offering insights to broaden students' global perspectives.
- > Outstanding students participating in this Summer School will have the opportunity to receive scholarships.



Instructors »

Tenured Professor Liang Yuan

A tenured professor at Shanghai Jiao Tong University, Dr. Yuan received his PhD in Electrical and Computer Engineering from The Ohio State University in 2011 and was selected for the National High-Level Talent Program in 2014. His research areas include computer vision and image processing, intelligent robotics, and the metaverse. He serves as an Associate Editor for the internationally renowned journal *Displays* and is a committee member of the Robotics Professional Committee of the Chinese Association of Automation and the Intelligent Robotics Committee of the Chinese Association for Artificial Intelligence. He has led five National Natural Science Foundation projects, including one key project.

Assistant Professor Zhixin Xu

Assistant Professor Xu Zhixin, an assistant professor at Shanghai Jiao Tong University, Xu is a composer, sound artist, and scholar in computer music. His research spans electronic music composition, interactive music design, granular sound synthesis, and the application of music programming languages in games, VR environments, and sound field positioning. His works have been performed at prestigious platforms such as the International Computer Music Conference (ICMC) and the Society for Electro-Acoustic Music in the United States (SEAMUS). Xu is also actively involved in developing music programming languages, promoting innovative applications of computer music technologies, and contributing to commercial music production and education.

Meng Zhang

AIGC leader at the School of Media and Communication at Shanghai Jiao Tong University, Zhang holds a degree from USC-SJTU Institute of Cultural and Creative Industry. He has served as an instructor for AIGC workshops and directed multiple award-winning AIGC films at national and provincial levels. As a video director and strategist for cultural media companies for over a decade, he won the gold medal in the cultural and creative track of the "Challenge Cup" National Entrepreneurship Competition and was recognized as a Shanghai Entrepreneurial Talent.

Guest Speakers (Tentative) Jun Wang

Industry mentor at USC-SJTU Institute of Cultural and Creative Industry, Shanghai Jiao Tong University, and Vice

President of Visual China Group. Wang oversees the company's solutions business, leading the development of the "Visual+" value-added service system, which offers a comprehensive chain of solutions for visual content production, management, dissemination, and transactions. He spearheaded the development of the fully proprietary visual digital asset management cloud service product, VDAM, serving over 200 government departments, media outlets, and enterprises, thereby empowering the digital transformation of the content industry. Wang has extensive experience in the ICT sector, multinational corporations, and startups. He is an executive director of the China Industrial Design Association, a member of the China Photographers Association, and a recipient of honors such as Beijing's

Technology Innovation Pioneer.

Zixu Liu

Founder of MaxfutureAI and CEO of Mujia Media, Liu is an expert in AIGC generative artificial intelligence and is dedicated to promoting AI applications in commercial settings. A certified expert by the Ministry of Human Resources and Social Security of China and a Microsoft MIE Expert in innovative education, Liu is also active as a photographer, director, and producer. He has provided AIGC AI training for numerous well-known enterprises domestically and internationally, combining diverse backgrounds and practical expertise to deliver innovative AI solutions.

Assessment

Attendance: 15%

Participation in question discussion: 20%

Assignment: 30%

Final program summary: 35%

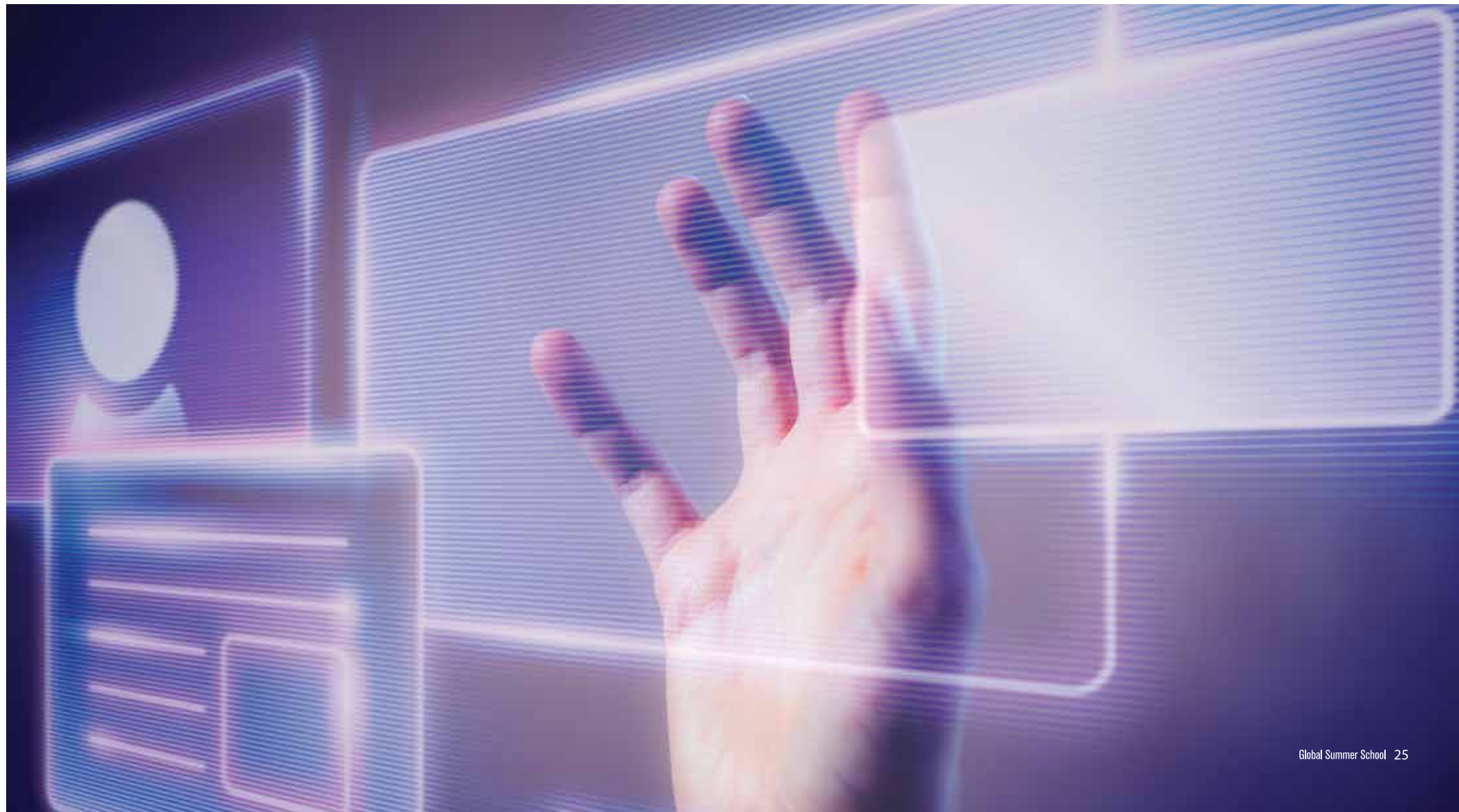
Contact

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S027

Future Energy

Duration:
2025.6.30 - 2025.7.13
(2 weeks)

Campus:
Minhang

Tuition Fee:
CNY5000 (USD682)

Course Description »

To provide a platform for students in the energy field to exchange ideas, gain insights into the current state of global energy science and technology, explore future energy development trends, and grasp international cutting-edge advancements and major scientific issues in the field, the Academy of Smart Energy Innovation plans to host the "Future Energy" International Summer School. Through a series of carefully designed academic lectures, seminars, corporate visits, and field trips, the program aims to broaden academic horizons, enrich academic experience, enhance problem-solving, critical thinking, and analytical skills, ignite students' passion for exploring frontier energy issues, and foster cross-cultural perspectives and friendships among participants.

Highlight »

- > **Cross-Cultural and Interdisciplinary Focus on Global Energy Transition**
The topics in energy research are complex and diverse. In this program, young students will experience cross-cultural interactions, conduct field investigations under the guidance of mentors, and gain hands-on experience within interdisciplinary and multicultural teams. Together, they will collaborate to create innovative solutions for global energy transition challenges.
- > **Cultivating Key Research Thinking**
Research begins with solving problems and should lead to practical solutions. At the program's conclusion, all participants will present their group project outcomes. Outstanding reports and projects will be recognized as exemplary work, and certificates of honor will be awarded.
- > **Global Perspective: Gaining Insights into Energy Industry Trends**
Industry-related topics will be integrated throughout the program, featuring lectures by academicians, mentoring sessions with industry experts, and visits to leading enterprises. These activities aim to provide participants with a comprehensive understanding of trends shaping the future of the energy industry.



Assessment

Attendance: 15%
Participation in question discussion: 20%
Visit report: 30%
Final program summary: 35%

Contact

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Instructors »

Professor Chen Zhang
Email: chenzhang87@sjtu.edu.cn

Chen Zhang, Associate Professor at the Smart Energy Innovation Academy, Shanghai Jiao Tong University, and Ph.D. supervisor. Dr. Zhang holds a Ph.D. in Mechanical Engineering from the University of Minnesota and a Master's degree in Mechanical Engineering from Stanford University. From 2018 to 2022, he served as a Researcher at the National Renewable Energy Laboratory (NREL) in the United States. His research focuses on decarbonization technologies in the energy and transportation sector, achieving significant outcomes in areas such as new energy vehicles, smart energy system, and the synthesis of power-to-liquid fuels. Dr. Zhang was awarded the National Overseas Young Talent Title in 2023, the Shanghai Leading Overseas Talent Title in 2022, and the Individual Key Contribution Award from the U.S. National Laboratory in 2021. He has led several high-impact research projects, including the National Natural Science Foundation of China's Excellent Young Scientists (Overseas) Program, sub-projects under major initiatives from the National Natural Science Foundation of China and Shanghai Municipal Major Projects, as well as nearly ten projects funded by the U.S. Department

of Energy, U.S. Environmental Protection Agency, and U.S. National Science Foundation. Dr. Zhang has authored over 40 SCI/EI-indexed papers and five NREL technical reports.

Professor Yiyang Li
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Yiyang Li received the B.S. and Ph.D. degrees in electrical engineering from Shanghai Jiao Tong University, Shanghai, China, in 2014 and 2019, respectively. He is currently an Assistant Professor and Ph.D. advisor with the College of Smart Energy, Shanghai Jiao Tong University. Before joining SJTU, he was a postdoc researcher with the Electrical and Computer Engineering Department, Future Renewable Energy Delivery and Management Systems Center, North Carolina State University. His research interests include machine learning and data analytics in power distribution systems, such as energy forecasting, synthetic data generation, anomaly detection.