



上海交通大学
SHANGHAI JIAO TONG UNIVERSITY

2018 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. Enhance your academic credentials, advance your career, or explore an interest.

The 2018 Global Summer School provides excellent opportunities for students to learn about China through academic and cultural immersion during the summer. A wide range of courses in various disciplines are provided, including Public Policy and City Governance, Traditional Chinese Medicine and Culture, Future Green City, and Discovering Chinese Creativity, each of which will be accompanied by Chinese language courses for both beginners and intermediate learners.

In addition to academic lectures, local excursions, cultural activities and field trips are also available for International participants. From these extracurricular activities, students will learn more about Chinese culture, history, politics and the latest developments. Here is a chance to experience Chinese culture firsthand and to 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, Macao must be enrolled as undergraduate or graduate students prior to applying for this program.
- B. Students from non-English speaking countries should provide an English language proficiency certificate. Either an IELTS no less than 6.0, TOEFL no less than 79 points or TOEIC no less than 800 points. If you are studying a full English taught program, please provide the relevant certificates.
- C. Other prerequisites may be required by each course.

→ Application Process



- A. Please apply on the following website :
<http://apply.sjtu.edu.cn>
The following items must be uploaded to the online application:
 - Scan of the identity page of the student's passport. The passport must be valid for at least 6 more months for the visa application.
 - ID photo (Similar to a passport photo)
 - Curriculum vitae (CV)
 - Motivation letter
 - Language proficiency certificate (If available)
- B. Applicants can only attend one course across the program.
- C. Regarding free placements for applicants from university-level exchange partners, please contact the International Office of your home university for detailed information.

→ Course schedule

- A. Lectures will be held in the morning and field trips or company visits will be arranged in the afternoon from Monday to Thursday. The Chinese language and culture course will be conducted every Tuesday and Thursday afternoon. There are no classes on Friday.
- B. If the number of participants is less than 20 students, the course will be canceled. If this is the case, students will be notified on the website by the 1st of May, 2018. Students have two choices when filing the online application, if the first is canceled, the applicant will be automatically reassigned to the second course.
- C. Please check our website for the updated version of the schedule of each course.

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

- > Airport pickup service
- > Welcome reception
- > Cultural show
- > Filed trip
- > Cultural experiences
- > Integration with local students

→ Credit

Session A: 2 Credits
Session B: 3 Credits

→ Important Dates

	Session A	Session B
Duration	2018.7.11-2018.7.26	2018.7.11-2018.8.3
Application period	2017.12.1-2018.4.30	2017.12.1-2018.4.30
Application deadline	2018.4.30	2018.4.30
Registration & Dormitory check-in	2018.7.11 8:00am-4:00pm	2018.7.11 8:00am-4:00pm
Welcome reception	2018.7.12	2018.7.12
Courses begin	2018.7.13	2018.7.13
Courses end	2018.7.26	2018.8.3
Dormitory check-out	2018.7.27 8:00am-4:00pm	2018.8.4 8:00am-4:00pm

→ Fees

	Session A	Session B
Application fee	RMB 400(USD 60)	RMB 400 (USD60)
Tuition fee	RMB 5000(USD 760)	RMB 7500 (USD 1130)
Total	RMB 5400(USD 820)	RMB 7900(USD1190)
Payment deadline	2018.5.29	2018.5.29

The culture trip fee is not included in the tuition fee.

→ Refund Policy

**The application fee is non-refundable.

Withdrawal is defined as the dropping of an entire academic program. All students who drop their academic program before May 29,2018 will not be charged. ¹

Cancelation date	Remarks
By May 29,2018	Full refund
By July 13,2018	50% refund
After July 13,2018	No refunds

→ Announcement

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

→ Accommodation

The 2018 Global Summer School will be conducted at two campuses: Xuhui and Minhang. Students are able to choose on-campus accommodation dependent on the location of the course.

Room reservations should be made online at dorm.sjtu.edu.cn and the accommodation fee should be paid online.

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

For more information, please contact International Student Service Center
Minhang Campus: issc_minhang@sjtu.edu.cn +86-21-34203955
Xuhui Campus: issc_xuhui@sjtu.edu.cn +86-21-62933305

¹ All cancelation requests must be sent to isc.mobility@sjtu.edu.cn.

→ **Visa**

SJTU will provide students with JW 202 and admission notice. Applicants should bring the visa paperwork, admission notice, JW 202 form and a valid passport to the local Chinese embassy or consulate to apply for a short term student visa (usually the visa type "X 2"). Those who are already in China need to submit a copy of the visa page, residence registration notice and the above application documents to the PCB in Shanghai after registering at SJTU.

The JW 202 form and the admission notice will be sent to the applicant via an international courier within two weeks after April 30, 2018.

* If you are a local student from Hong Kong, Macao and Taiwan, you do not need the JW202 form.

→ **Insurance**

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

→ **Transcript**

Official transcripts will be sent out in September to the mailing address you indicated in the application.

Students who wish to transfer credits need to obtain pre-approval from the relevant authorities at their 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/>

CONTENT



SESSION A

- TOPIC 1: S021 Outlook of Future Techniques in Aerospace Engineering
- TOPIC 2: S022 China's Public Policy and City Governance
- TOPIC 3: S023 China's Policy on Climate Change, Energy and Environment
- TOPIC 4: S024 Traditional Chinese Medicine and Culture
- TOPIC 5: S025 Strategic Design for the Enhancement of Architectural, Urban, Environmental Resources
- TOPIC 6: S026 Green City Green Future
- TOPIC 7: S027 Discovery China

SESSION B

- TOPIC 8: S031 Discover Chinese Culture Through Creative Drama
- TOPIC 9: S032 Green Technology for Environmental Pollution Control



S025

Strategic Design for the Enhancement of Architectural, Urban, Environmental Resources

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui

Course Description »

This course provides lectures on Chinese culture on space and building, the Chinese property market and architecture regulation, to give international students a general understanding of Chinese architecture. Students will learn more about the construction and protection of Chinese traditional architecture by courses provided and visiting some relics. In addition, students from different countries can work together with others and exchange their ideas. Professor Ilaria Valente will work together with SJTU professors and other foreign professors based on the joint research about Chinese architecture and cities. Furthermore, classes about the operation of the Chinese design Market will be offered for those who are interested in working in China in the future.

Highlights »

Study at SJTU to experience campus culture and learn Chinese culture;

Understand the historical development and modern architecture of Shanghai by visiting the Oriental Pearl Tower, Shanghai Center and Shanghai Bund;

Exchange ideas by working with students from different countries;

Instructors »



Prof. Ilaria Valente
Email: ilaria.valente@polimi.it

Ilaria Valente (Milano, 1958) is a professor in architectural and urban design and the dean of the School of Architecture, Urban Planning and Construction Engineering at the Politecnico di Milano. Her research is devoted to theory, tools, and design methods with particular attention to the architecture of open and public spaces, urban morphology, architectural typology and the shape of infrastructures in contemporary territories. She was the consultant of the municipality of Milan for research on the morphology of inner and peripheral urban fabrics, which has become part of the new municipal urban plan of Milan (2005). Her educational program has involved numerous design studios exploring the possibility of recycling, with permanent or temporary uses, areas and buildings in a state of decay and neglect and was exhibited at several Triennale di Milano. "The quiet revolution" (2000) was hosted in Vienna, Berlin, London, Seville, Japan, Mexico and Latin America. Ilaria Valente collaborated with prominent Italian architectural reviews such as "Domus", "Casabella" and "Urbanistica". She has participated as a lecturer in several seminars and symposiums and as a visiting critic in Italy and abroad.



Alessandra Oppio
Email: alessandra.oppio@polimi.it

She is an associate professor of appraisal at the Politecnico di Milano in the department of architecture and urban studies. She has PhD in programming, maintenance and development of building and urban systems. Oppio teaches at the school of architecture and society of Politecnico di Milano. Her research topics are: the economic evaluation of cultural heritage and environmental goods; decision science and multicriteria evaluation; evaluation of projects' sustainability. Her research and teaching integrate real estate finance and development with architectural and landscape heritage and preservation. She is a reviewer for several international journals (Chemical Engineering Transaction, AIDIC; Territorio, FrancoAngeli; Smart and Sustainable Built Environment; Applied Spatial Analysis and Policy from 2013) and a member of the editorial board of the Journal of Public Finance and Economics (from 2015) and the journal of the Italian Society of Italian Real Estate Appraisal and Investment Decision Values and Evaluations (from 2012). Lastly she is the chief editor of the Green Energy and Tehnology, SIEV series.



Charlie Gullström
Email: charlie.gullstrom@arch.kth.se

She is an architect in SAR/MSA at KTH, Sweden, where she combines teaching with research and leads the interdisciplinary research group KTH Smart Spaces: Architecture & Interactive Media (EU FP7 COMPEIT 2014-2016; EIT DIGITAL Lead, Mediating Presence 2011-2014). Being design-driven research having practiced for over twenty years, she addresses the fusion of architecture and media technology facilitated by new information and communication technology (digitalisation, interactive architecture, virtual public space, presence research). Her particular interests concern the contribution of architects to a highly-mediated society, given that new digital tools have thoroughly changed the way humans interact and communicate. This has the potential for innovative architectural design to foster new sustainable behavior patterns. In 2017, Gullström will be involved in research initiatives relating to a new innovation programme for Smart Sustainable Cities. Gullström is a board member of the recently established Centre for the Future of Places (Dr Tigran Haas, KTH ABE). She has previously served as the centre director for the VINNOVA centre of excellence for sustainable communications at KTH and was responsible for its formation and growth from 2005-2007.



Prof. Ma Wenjun
Email: mwj@sjtu.edu.cn

With degrees in city planning and city management he has been engaged in urban climate maps, smart city planning and directing research projects such as the next generation of infrastructure, smart city planning of Shanghai for 2040 together with the Shanghai Municipal Planning and Land Resource Administration Bureau, Shanghai Municipal Meteorological Service Centre and other units. Combining economical, sociological and geographical methods in urban study, he has been qualified as a China registered city planner and China registered real estate appraiser. He has integrated practical works in planning and design with scientific research using quantitative studies.

Assessment

Attendance: 20%
Participation in question discussion: 30%
Final design report: 50%

Contact

Program Director : Prof. Ma Wenjun (mwj@sjtu.edu.cn)



S026

Green City Green Future

Duration:
2018.7.11-2018.7.26
(2 weeks)

Campus:
Xuhui



Course Description »

This course aims to provide students with an understanding of environmental and resource implications of construction activity within the context of green development. It considers the theoretical and methodological basis of approaches to evaluate and justify various design choices made at different stages of the construction life cycle. It also introduces state-of-the-art green technologies and tools that may contribute to the sustainable design via visits to exemplar projects or the engagement of hand-on activities.

Highlights »

First class delivery team comprising world class academics and industrialists rich in global experience in the subject area;

Well-mixed delivery methods including class-teaching, virtual reality simulations, site/office visits, a group project and hand-on activities;

A visit to the world's second highest building, the highest LEED platinum project and the Shanghai Tower located in Shanghai;

A visit to the world's first 3D printing building, Winsun, located in Suzhou;

To opportunity to interview the project management team of the Shanghai Disney Project, one of the world's most complicated projects;

Two site visits, i.e. an off-site construction project and an award winning green building;

Tours of Shanghai and its municipal construction together with a visit to the Shanghai Construction Museum;

Experience in working on a real life global project mentored by practitioners of Arcadis Shanghai, one of the most renowned consultancy companies in the world;

Have social network activities with the students/graduates/chartered members of ICE (the largest the learned society in Civil Engineering in the world) in a region near Shanghai.

Instructors »

Prof. Jian Yang
Email: j.yang.1@sjtu.edu.cn

Prof. Jian Yang, deputy head of the department of civil engineering at Shanghai Jiao Tong University, has over 15 years of experience in teaching, research and consultancy at various universities/companies, most of which was in the UK. He is one of the youngest fellows at the Institute of Civil Engineers (ICE) and a chartered member of the Institute of Structural Engineers (MStructE). He serves on several international and national professional committees, e.g. UK Concrete Society, IStructE, ICE and Chinese Ceramic Society. He sits on the editorial board of the Magazine of Concrete Research, Glass Structures and Engineering and the Journal of Civil Engineering and Architecture. In his present role, he leads a team mainly focusing on the research in the field of sustainable construction materials and advanced structural systems including recycled concrete and other newly emerging construction materials such as integrated structural and functional glass. He also conducts research on modern construction methods including PC and 3D modular steel constructions. In 2016, he was named one of the '10 Kaiyuan Lecturers'.

Prof. Charalampos Baniotopoulos
Email: C.Baniotopoulos@bham.ac.uk

Prof. Baniotopoulos (LB) is the professor and chairman of the sustainable energy systems department at the school of engineering in the University of Birmingham, UK. He is also Visiting Professor at the Taylor's University in Malaysia and honorary professor at JUST, Jordan. He is the head of the group of structural engineering, as a lecturer for graduate and post-graduate civil engineering courses. In the period between 1998-2014, LB was a professor and the director of the Institute of Metal Structures at the school of civil engineering in the Aristotle University of Thessaloniki. He also acted as head of the school between 2006-08 and 2008-10. He has been to Alexander von Humboldt (AvH) as a visiting professor at the Leibniz University Hannover, Germany (2011), HCM visiting fellow at the JRC-Ispra, Italy (1993-94) and AvH Research Fellow at the TU Aachen, Germany (1987-88). He acted as member of management committees of several COST actions of urban development (1996 to date) and chair of the COST Action TU1304 (2014-2018). As a project leader he coordinated more than 50 research projects funded by national and international research organizations in the private sector (industry). He has authored and edited 18 engineering books and co-authored more than 300 scientific papers in international peer-reviewed journals and conference proceedings.

Prof. Jamal Khatib
Email: jmkhatib@yahoo.com

Prof. Khatib is currently a professor in civil engineering (Sustainable Construction Materials) at faculty of science and engineering at the University of Wolverhampton (UoW) - UK. He was named the 'Shanghai Foreign Expert' in 2015 and is now a visiting professor in SJTU. His research areas mainly revolve around sustainable construction materials. The products of his extensive research activities have been comprehensively disseminated in over 250 refereed academic journals & conference papers; text books, research seminars and workshops and articles/features in the construction press. He sits on the technical committees of many international research conferences. He is an editorial board member of four academic journals and an associate editor for the Journal of Emerging Trend in Engineering & Applied Sciences.

Mr. Gonzalo Ortega Barnuevo
Email: gobar@osaspain.com

Mr. Barnuevo is the Director of OSA Spain. He is a chartered architect with over 25 years' architectural design experience, resulting into over 100 design projects. One of his key design philosophies is to design buildings passively, where natural resources can be fully utilized. His work has won numerous awards both internationally and nationally.

Assessment

Attendance and professionalism: 10%
Reports: 40%
Project presentation and Q&A: 40%
Innovation/critical comments: 10%

Contacts

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Program Coordinator:
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Dr. Wanyang Gao (gaowanyang20022003@gmail.com)
Dr. Bai Li (baili888@hotmail.com)