



6.18-7.15 **2016**
Shanghai
Summer School

Tongji University

<http://unep-iesd.tongji.edu.cn>





Shanghai Summer School (SSS) 2016 program

Shanghai Summer School (SSS) 2016 program is sponsored by Shanghai Municipal Education Commission hosted by Tongji University and organized by Institute of Environment for Sustainable Development (IESD), and College of Environmental Science & Engineering of Tongji University. Lectures are delivered by distinguished professors of universities and guests of relevant industries from home and abroad in this Summer School. It will recruit 40 excellent students from European universities who major in Architecture, Urban Planning, Arts Design, Environment, and Laws. They are expected to propose creative solutions and promote a better urban life through joining in researches and practices centring on the theme of “Eco-friendly City and Sustainable Development Tours”. 2016 Program serves the purpose of creating a green and creative journey for the participants with its global, inter-disciplinary and cross-cultural characteristics.



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I Theme:

Eco-friendly City and Sustainable Development

The theme of this Summer School focuses on city, sustainable development and life style. Students of relevant majors will be chosen to attend the Summer School with four modules:

1. [Discovering Shanghai](#)
2. [Eco-friendly City](#)
3. [Environmental Protection](#)
4. [Outcome Exhibition](#)

Students are supposed to attend group discussions and researches through well-organized lectures and visits with specific themes, complete team reports and exhibit outcome based on their experience and learning through inter-disciplinary teamwork.



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II Schedule

This Summer School will last for four weeks starting from 18th June to 15th July with four modules, i.e. Discovering Shanghai, Eco-friendly City, Environmental Protection and Outcome Exhibition.

Participants, divided into three groups themed with Environmental Health, Eco-vitality and Cities and Climate Change, will exchange and exhibit outcome according to different topics. Each group consists of around ten students.

a. Module

Module I (18th June – 24th July): Discovering Shanghai

This module initially informs foreign students of the contemporary urban life style of Shanghai before allowing them to acquire basic knowledge about the history and culture of Shanghai and to experience her glamour. It proposes a variety of lectures and visits while guiding students to explore its mix of modern and traditional cultures.

Module II (25th July – 1st July): Eco-friendly City

Through organizing field trips to Chongming Island and other small towns in its vicinity, this module enables you to further understand re-planning and protective outcomes for the neighbouring ancient towns like Zhu jiajiao and Wuzhen, e.g. Professor RUAN Yisan's important contributions.

Module III (2nd July ~ 8th July): Environmental Protection

Equipped with the preliminary concepts and research results, students are arranged to attend visits and lectures and discuss the issues on numerous environmental protection and improvements. Meanwhile, each group will submit a final plan after the group reports and consultancy with tutors.

Module IV (9th July ~ 15th July): Outcome exhibition

Each group, with the support of tutors, is obliged to study the sustainable development index of Shanghai and put forward relevant suggestions on planning in terms of Environmental Health, Eco-vitality and Cities and Climate Change through the methods of surveys and interviews. A jury of experts will make marks and comments on the outcomes. The Summer School ends up with a graduation ceremony and a farewell party.

b. Groups

1. Environmental health: Explaining the relationship between environment and health from the aspects of chemical factor, physical factor and biological factor. And investigating all indexes of environment and health based on a combination of atmospheric situation, aquatic condition and soil level. Thus, evaluating the status of local environment, residential health, residential environment and food safety. Finally, giving specific policies and planning suggestion for Shanghai associated with corresponding policies and practice of international similar cities.

2. Ecological vitality: China have proposed the goals of constructing ecological civilization under the situation of unrenewable resources, biodiversity decrease, fractured metabolism and the imbalance of biological system, within the tendency of rapidly increasing contradiction between environmental protection and the development of human, nature and economy. This group will research the relative policy and practices focused on the improvement of local ecological vitality and local construction of ecological civilization to give the effective policies and planning suggestions for Shanghai, considering the corresponding policies and suggestions in similar European cities.

3. Cities and climate change: The climate change conference of year 2015 was hosted in France, seeing an increasing attention from the world. Cities have increasingly become the primary site for human activity, and this situation brings much pressure for cities to treat with climate change. This group will explore the effects of climate change on the local area and the economical benefit, multiple management, financial methods and activate policies from the local treatment conducted for climate change. Shanghai's development experience can serve as an example for cities faced with similar challenges in the world.



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III Participants:

1. Number of students: 40 students
2. Universities: European Partner Universities
3. Requirements: major in Architecture, Urban Planning, Arts Design, Environment, and Laws (juniors or above)
4. Grouping: two groups with 10 students each, assigned one tutor, work on one topic

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Lecture Tiles and Lectures

The Urban Planning and Sustainable Development of Shanghai (Dr. Wang Xin, the Vice Dean of UNEP-Tongji Institute of Environment for Sustainable Development)

Global Sustainable Development Agenda (Dr. Young-woo Park, Vice Dean of UNEP-Tongji Institute of Environment for Sustainable Development, Former Regional Representative and Director for the Asia and Pacific, UN Environment Programme)

Best Practice of Chinese Green Cities (Prof.

Zhu Dajian, the Director of the Research Center for Sustainable Development and management, Tongji University)

Sustainable Cities and Water Management (Prof. Li Fengting, the Deputy Dean of UNEP-Tongji Institute of Environment for Sustainable Development, College of Environmental Science and Technology, Tongji University)

The World Expo, Buildings and Sustainable Development (Prof. Zheng Shiling, Academia of the Chinese Academy of Science)

Sustainability-oriented Transportation System (Prof. Zhang Lun, Professor of the School of Transportation Engineering, Tongji University)

Low Carbon Development Strategies of Shanghai towards a Green Economy (Dr. Zhang Jing, the College of Environmental Science and Technology, Tongji University)

Shanghai Emissions Trading System (Prof. Liao Zhenliang, Professor of the College of Environmental Science and Technology, Tongji University)

The Practice of Solid Waste Management in China (Prof. Niu Dongjie, Professor of the College of Environmental Science and Technology, Tongji University)

Cities in the Haze – Urbanization and Air Pollution (Prof. Jiang Dahe, Professor of UNEP-Tongji Institute of Environment for Sustainable Development, the College of Environmental Science and Technology, Tongji University)

“Youth Responsibility for Green Cities and Sustainable Development” Sino-Europe Students Dialogue (TBC)



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V Expected Outcomes:

Students are required to, basing on the previous study and surveys, evaluate Shanghai sustainable development index and present the relevant planning proposals by virtues of close and inter-disciplinary teamwork. All achievements are illustrated through a diversified approach including graphics, reports and physical models. The outcome of the Summer School will be exhibited on 15th July at IESD of Tongji University.



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VI How to Apply

Admission:

The organizer will confirm the admission and send the invitation letter to selected students by June 2th, 2015

Application:

- * Submit the complete dossier
- * Application form
- * Recommendation letter from home university
- * Guarantee Letter
- * Copy of passport
- * Digital photo(JPG,<200K)

Scholarship:

To sssp2016@126.com before April 30th,2016

All local expenses(accommodation, collective transportation, meal,etc)will be covers by organizer.



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VII Agenda



AGENDA OF THE 2015 SHANGHAI SUMMER SCHOOL

DATA		TIME	ARRANGEMENTS	Course Hours			
				Academic	Chinese Culture	Visits &	Workshop
18-Jun	SAT		Registration				
			Welcome Dinner				
			Night Tour on the Bund				
19-Jun	SUN	Morning	Welcome Remarks				
			Brief Introduction to Shanghai Summer School				
			Lunch on Campus				
		Afternoon	Lecture 1: The Urban Planning and Sustainable Development of Shanghai (Dr. Wang Xin, the Vice Dean of UNEP-Tongji Institute of Environment for Sustainable Development)	2			
			Chinese Language Class 1 (Basic/Medium)		2		
20-Jun	MON	Morning	Lecture 2: Global Sustainable Development Agenda (Dr. Young-woo Park, Vice Dean of UNEP-Tongji Institute of Environment for Sustainable Development, Former Regional Representative and Director for the Asia and Pacific, UN Environment Programme)	2			
			Chinese Language Class 2 (Basic/Medium)		2		
			Lunch on Campus				
		Afternoon	Visit 1: Shanghai Museum			2	
			Visit 2: Shanghai Urban Planning Exhibition Museum			2	
			Free Activity in People's Square (Dinner not Organized)				

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21-Jun	TUE	Morning	Lecture 3: Sustainable Cities and Water Management (Prof. Li Fengting, the Deputy Dean of UNEP-Tongji Institute of Environment for Sustainable Development, College of Environmental Science and Technology, Tongji University)	2			
			Chinese Language Class 3 (Basic/Medium)		2		
		Afternoon	Lunch on Campus				
		Afternoon	Visit 3: Tongji University			2	4
22-Jun	WED	Morning	Lecture 4: The World Expo, Buildings and Sustainable Development (Prof. Zheng Shiling, Academia of the Chinese Academy of Science)	2			
			Visit 4: Shanghai Li-Long, The Site of First National Congress of CPC etc.			2	4
		Afternoon					
			Visit 5: Shanghai Old Downtown			2	4
23-Jun	THURS	Morning	Lecture 5: Sustainability-oriented Transportation System (Prof. Zhang Lun, Professor of the School of Transportation Engineering, Tongji University)	2			
			Chinese Language Class 4 (Basic/Medium)		2		
		Afternoon	Visit 6: Shanghai Expo			2	4
24-Jun	FRI	Morning	The First Week Discussion				4
		Afternoon	Tai Chi Class 1		2		
25-Jun	SAT	Afternoon	Tai Chi Class 2		2		
26-Jun	SUN	Morning	Visit 7: Wu Zhen			2	
27-Jun	MON	Morning	Visit 8: Zhu Jia Jiao			2	
28-Jun	TUE	Morning	Visit 9: Chong Ming Island-1			2	
29-Jun	WED	Morning	Visit 10: Chong Ming Island-2			2	
30-Jun	THURS	Morning	Visit 11: Jia ding Campus			2	
			Lecture 6: Intelligent and Sustainable Mobility: Communication and Computation based Vehicular Network-Prof. Lune CHEUNG, School of Transportation Engineering)	2		2	

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1-Jul	FRI	Morning	The Second Week Discussion			4
		Afternoon	Tai Chi Class 3		2	
2-Jul	SAT	Afternoon	Tai Chi Class 4		2	
3-Jul	SUN	Morning	Lecture 7: Low Carbon Development Strategies of Shanghai towards a Green Economy (Dr. Zhang Jing, the College of Environmental Science and Technology, Tongji University)	2		
			Chinese Calligraphy Class 1		2	
			Lunch on Campus			
		Afternoon	Chinese Harp, Tonso		2	
4-Jul	MON	Morning	Lecture 8: Shanghai Emissions Trading System (Prof. Liao Zhenliang, Professor of the College of Environmental Science and Technology, Tongji University)	2		
			Chinese Calligraphy Class 2		2	
			Lunch on Campus			
		Afternoon	Group Discussion			4
5-Jul	TUE	Morning	Lecture 9: The Practice of Solid Waste Management in China (Prof. Niu Dongjie, Professor of the College of Environmental Science and Technology, Tongji University)	2		
			Chinese Calligraphy Class 3		2	
			Lunch on Campus			
		Afternoon	Chinese Harp, Chinese Sado, Chinese Incense		2	
6-Jul	WED	Morning	Lecture 10: Cities in the Haze - Urbanization and Air Pollution (Prof. Jiang Dahe, Professor of UNEP-Tongji Institute of Environment for Sustainable Development, the College of Environmental Science and Technology, Tongji University)	2		
			Group Discussion			
			Lunch on Campus			
		Afternoon	Chinese Opera		2	

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7-Jul	THURS	Morning	Lecture 11: "Youth Responsibility for Green Cities and Sustainable Development" Sino-Europe Students Dialogue (TBC)	2			
			Group Discussion				4
		Afternoon	Preliminary Report of the Design Proposals				4
8-Jul	FRI	Morning	The Third Week Discussion				4
		Afternoon	Tai Chi Class 5		2		
9-Jul	SAT	Morning	Final Proposals				8
		Afternoon	Tai Chi Class 6		2		
10-Jul	SUN		Discussion of the Final Design Proposals				8
11-Jul	MON		Discussion of the Final Design Proposals				8
12-Jul	TUE		Report of the Final Design Proposals				8
13-Jul	WED		Amendments of the Final Design Proposals				8
14-Jul	THURS		Set-up of the Exhibition				8
15-Jul	FRI		Closing Ceremony and Farewell Party				

Contact us

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