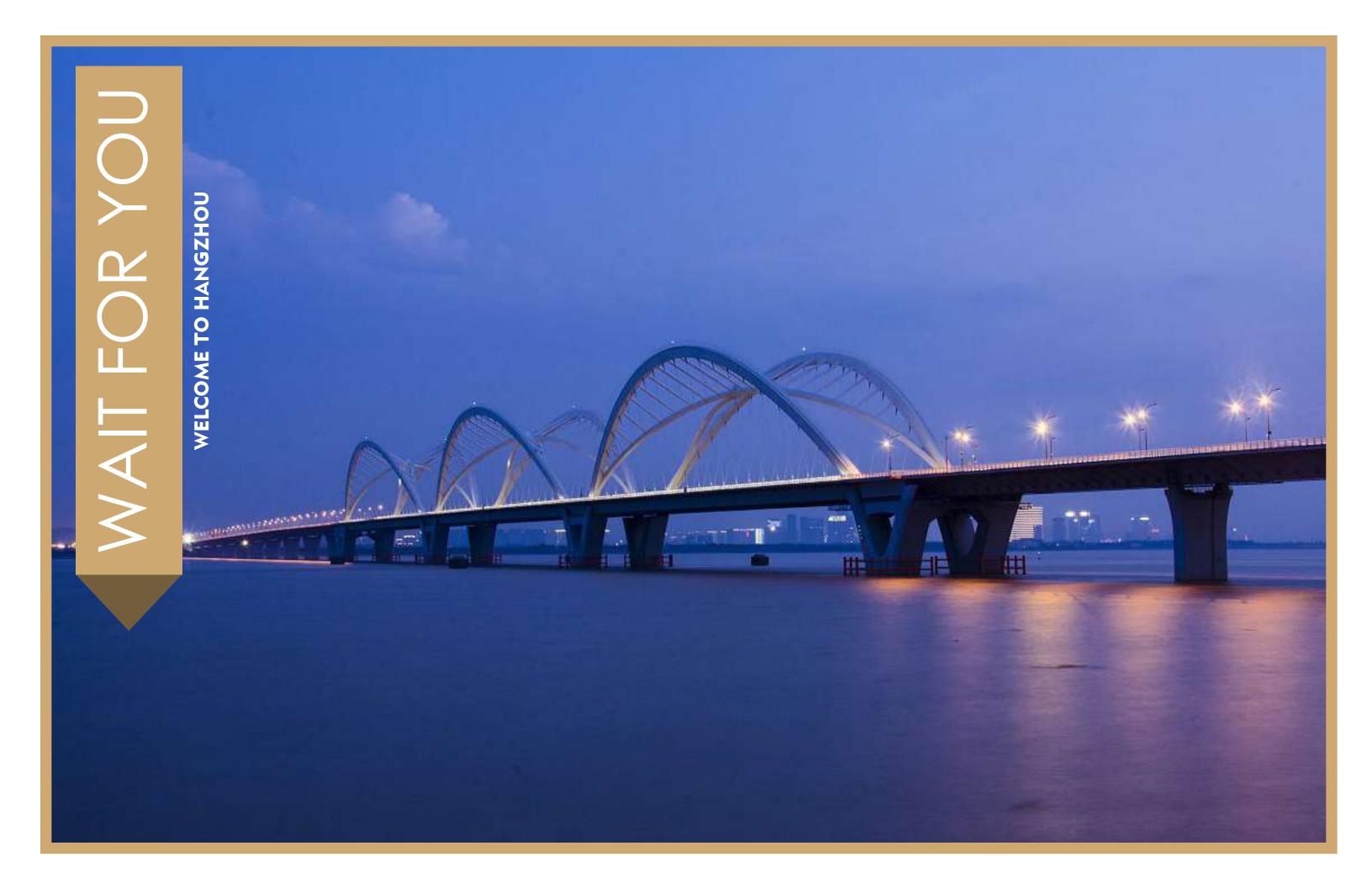


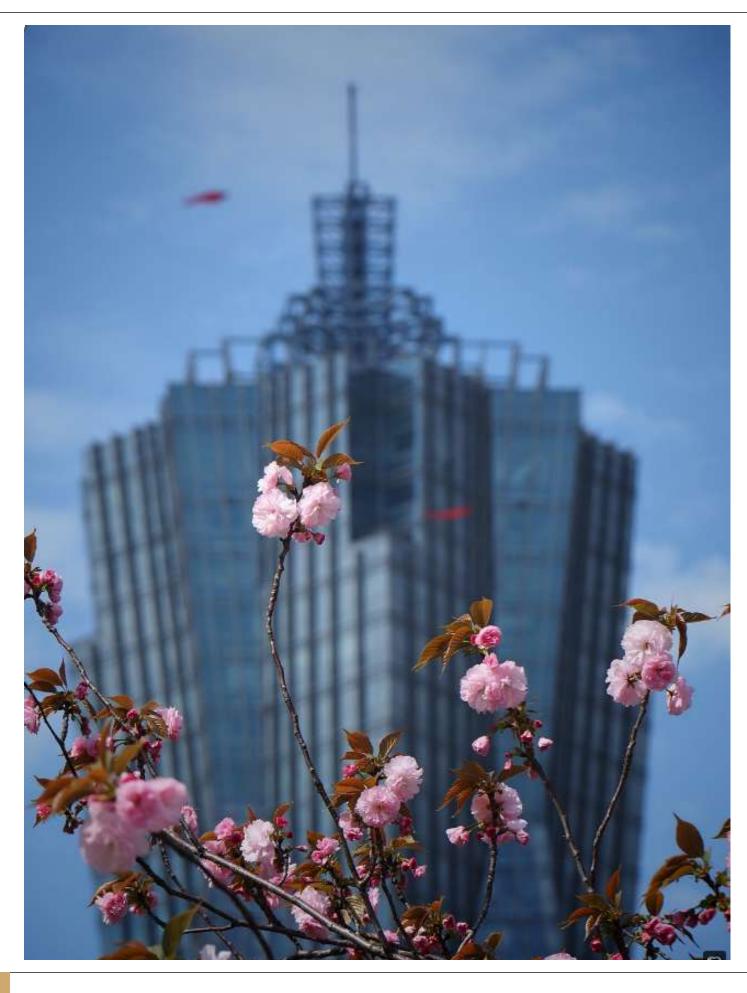


INTERNATIONAL RADIATION SYMPOSIUM, JUNE 2020 HANG ZHOU, CHINA





HANG ZHOU, CHINA
HEAVEN ON EARTH



INTRODUCTION

INTRODUCTION AND OBJECTIVES

It is our great pleasure to propose and host the IRS 2020 at Hangzhou, China. The proposed time of this conference will be from June 1 to June 6, 2020. Hanazhou is the ancient capital of the Song Dynasty in China, renowned for its beauty and relics and is called "the paradise on earth". In 2016, Hangzhou was voted by The New York Times as one of 52 most desirable places to go. This city's most recent event was the G20 summit in 2016, and a prominent forthcoming event is the 2022 Asian Games. Hangzhou is now featured as both an ancient and a modern Chinese city.

The last international radiation conference organized by WMO, IAMAP, and CCMAP was held in Beijing from 26 – 30 August, 1986, chaired by Professors K. N. Liou and Xiuji Zhou. One-hundred and twelve participants from many countries attended the conference.

Since 1986, both China and the atmospheric radiation science research community have been modernized. Some projects associated with satellite remote sensing and ground-based observation networks have been launched. About 12 Chinese universities/research institutes now have the discipline of atmospheric radiation and remote sensing as part of their curriculums. We feel that it is the right time for us to propose and host the International Radiation Symposium (IRS), expecting to promote more international communication and possible collaborations. As the local host, Zhejiang University (a Tier-1 University in China) will organize the IRS 2020 with a local organizing committee composed of previous and current IRC commissioners and active Chinese research scientists in the atmospheric radiation field.

4



中国•杭州

Zhejiang University 866 Yuhangtang Road Hangzhou, 310058 P.R., China Tel: 0086-57188981261/88981877

May 19, 2018

Dear International Radiation Commission,

As the department head of Atmospheric Sciences, I am delighted to write this Letter to support the bid of the 2020 International Radiation Symposium to be held in Hangzhou, China.

The discipline of atmospheric sciences at Zhejiang University was founded in 1936by the prominent Chinese meteorologist, Zhu Kezhen, who was the president of Zhejiang University from 1936 to 1949. After a long history of development and reorganization, the Department of Atmospheric Sciences was founded within the School of Earth Sciences in 2016. The International Radiation Symposium, as an international conference of broad impact held every four years, will be a great opportunity to discuss cutting-edge atmospheric science research, particularly for atmospheric radiation and remote sensing. Therefore, on behalf of the Department of Atmospheric Sciences, I strongly support the proposal to host IRS 2020.

If the bid proves to be successful, I very much look forward to welcoming all IRC participants at Hangzhou in 2020.

Your sincerely,

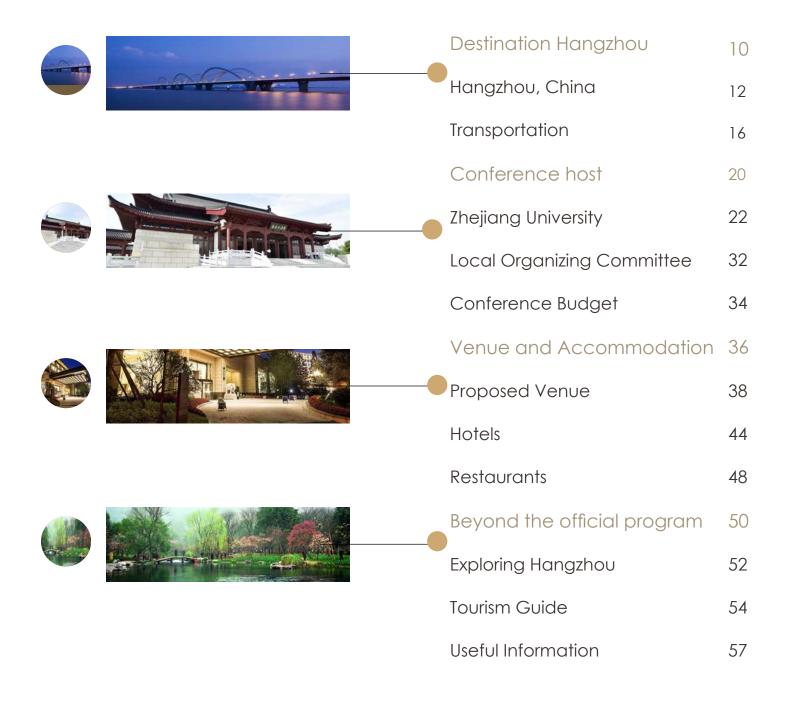
Department Head of Atmospheric Sciences

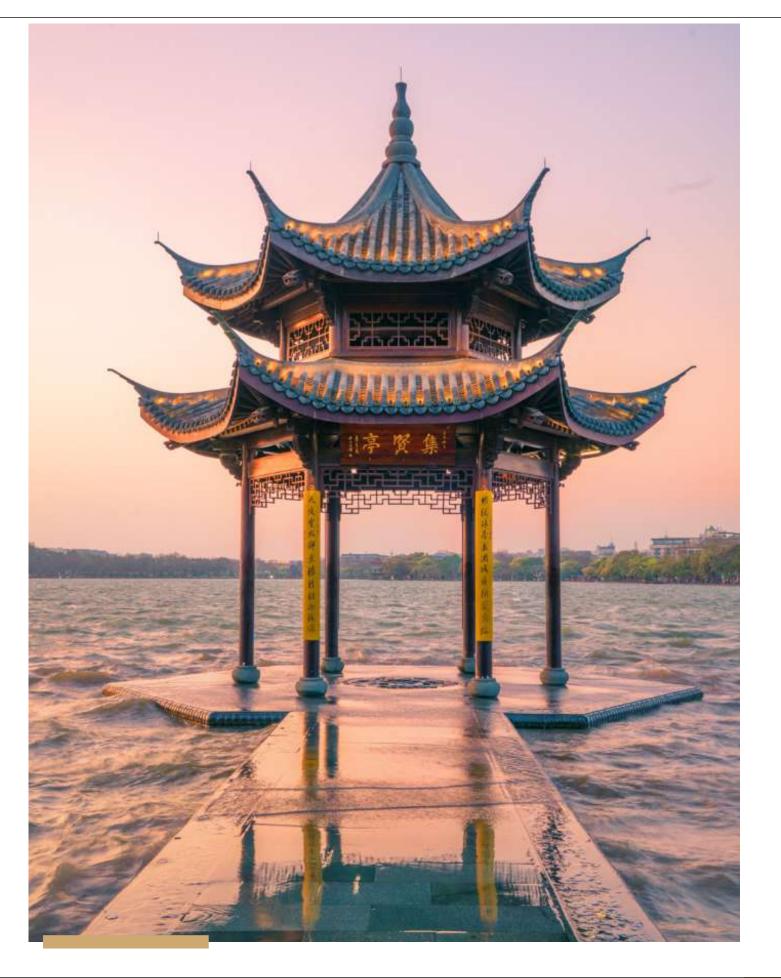
Zhejiang University



HANG ZHOU, CHINA
HEAVEN ON EARTH

CONTENTS





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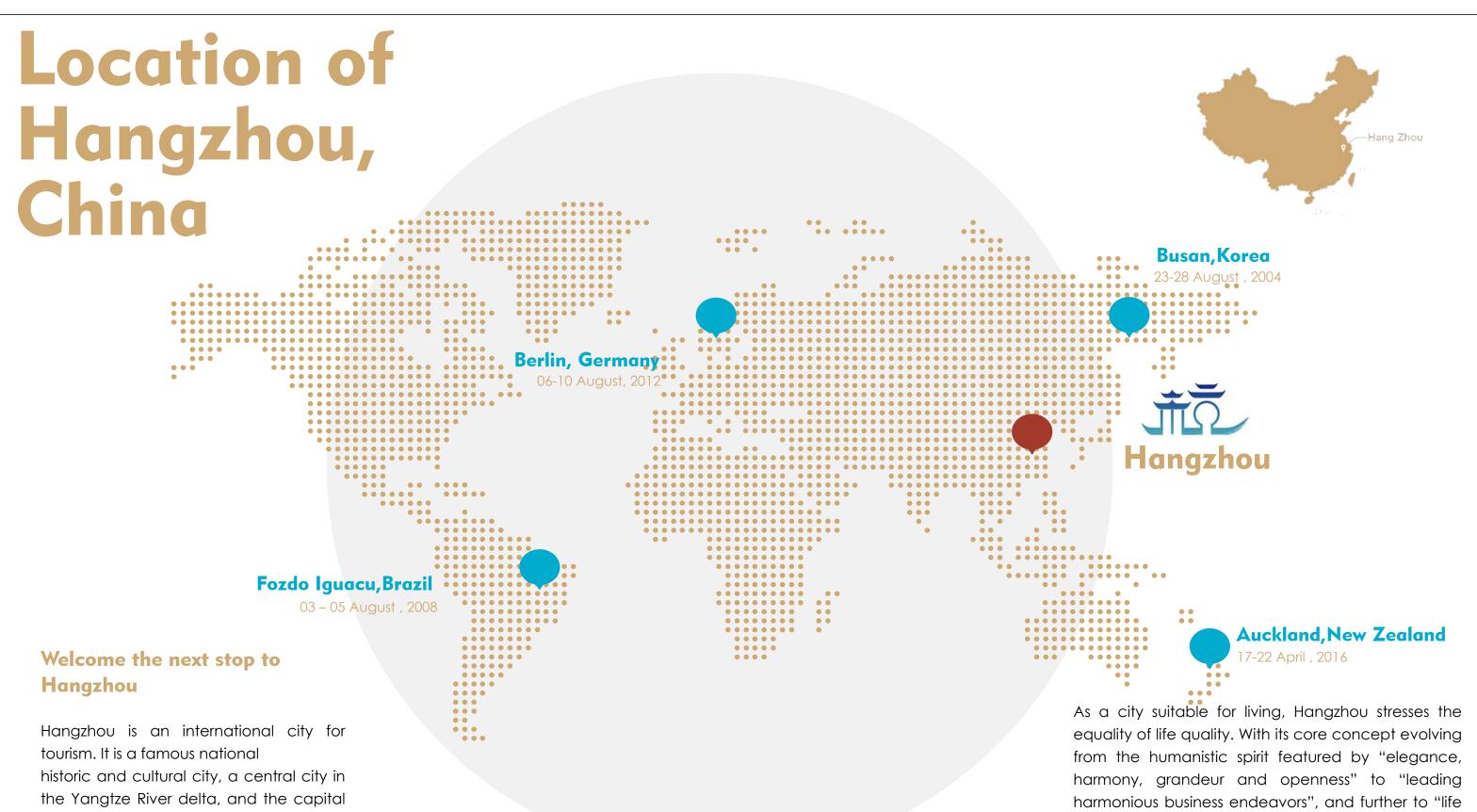
HANG ZHOU CHINA

Hangzhou is one of the eight ancient Chinese capitals and the provincial capital of Zhejiang Province. In this area, there is a river flowing through the city, a mountainous landscape and a beautiful lake. Here, the history is long, the style is blazing, and celebrities are famous; since ancient times, Hangzhou has been recognized as the ancient capital of Southeast China, the land of fish and rice, and the silk capital. This state with many cultural relics has always enjoyed a reputation as a "paradise on earth" with rich and prosperous material wealth and a long history of culture and art. After more than 2,000 years of protection, development, and construction, Hangzhou has evolved from a small mountain county to a national historical and cultural city with a special natural environment and cultural heritage, famous landscape resorts, modern political and economic centers, and transportation hubs in the southeast coastal areas.









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quality", Hangzhou has blazed a new unique trail for

all types of development.

of Zhejiang Province.



Hangzhou International Airport Introduction

Hangzhou International Airport (hereinafter referred to as "HGH") is a national A-class airport and Zhejiang Province's No. 1 air gateway, which was completed and opened for traffic on December 28, 2000.



i.Overview of existing facilities

HGH is a 4F airport with two runways, three terminals, and 175 stands which covers an area of 10 square kilometers, including 370,000 square meters of terminal building area.



ii.Air traffic volume and network

In 2017, Hangzhou Airport handled a total of 35.57 million passengers, 589,461 tons of cargo, and 271,066 aircraft movements.



iii.The development orientation and service concept

In terms of services, the airport has innovative 4S service concepts, a five continent strategy, and meets international service standards. HGH has been repeatedly named as the "Best Airport" by the Airport Council International.



iv.Airport handling ability

In 2016, the G20 summit was held in Hangzhou. HGH successfully handled all the special flights, establishing an excellent worldwide image and making important contributions to the summit.

Selected International Direct Flights (2017)						
Continent	Country	City	Airline			
Asia	China (region)	Hong Kong	Hong Kong Airlines, Cathay Dragon, China Eastern Airli			
		Macau	Spring Airlines, Xiamen Airlines, Air Macau			
		Taipei (RCTP)	EVA Air, Air China, Xiamen Airlines			
	Japan	Okinawa	Beijing Capital Airlines, China Eastern Airlines			
		Osaka	Airways			
		Tokyo	All Nippon Airways			
		Shizuoka	Beijing Capital Airlines, China Eastern Airlines			
		Sapporo	Hainan Airlines			
	Qatar	Doha	Qatra Airways			
Asia	Korea	Busan	Asiana Airlines			
		Jeju Island	Spring Airlines, Okay Airways, Air China, Hainan Airlin Beijing Capital Airlines, China Eastern Airlines			
		Cheongju	Korean Air			
		Seoul	Asiana Airlines, Air China			
	Malaysia	Kota Kinabalu	AirAsia			
		Kuala Lumpur	Xiamen Airlines, AirAsia X			
	India	Calcutta	China Eastern Air			
	Singapore	Singapore	Air, Hebei Airlines			
Europe	Netherlands	Amsterdam	KLM Royal Dutch Airlines			
	Spain	Madrid	Beijing Capital Airlines (Hangzhou-Chengdu-Madrid)			
Australia	Australia	Sydney	China Eastern Airlines			
Austrana		Melbourne	Xiamen Airlines			
	USA	Los Angeles	Sichuan Airlines			
America	USA	Saipan	Beijing Capital Airlines			
	Canada	Vancouver	Beijing Capital Airlines (Hangzhou-Qingdao-Vancouver)			

Note: the operating flights by the end of 2017

Transportation

Hangzhou



Shanghai

Only one hour!







Shanghai Pudong __ International Airport

Shanghai Pudong International Airport is a 4F civil airport. It is the first major hub airport and gateway airport in eastern China and is one of the three major gateway complex hubs in China. The number of flight departures and arrivals reached 0.497 million in 2017 and has recently increased by 3.5%. Air travel in and out of this airport is ranked second on mainland China. In 2017, the international and regional passenger throughput was 34 million,

and the international and regional cargo and mail throughput was 3.42 million tons. The international and regional flight departures and arrivals numbered 0.23 million. By the end of 2017, 110 airlines had scheduled regular flights to Shanghai's two main airports, including Pudong International Airport, which offers connecting flights to 297 destinations in 47 countries and regions.





CONFERENCE HOST HANG ZHOU, CHINA







Introduction

Zhejiang University is a com- national leading academic are more than 200 elected prehensive research university with distinctive features and both national and international impact. Research at academic disciplines, coverlaw, education, literature, history, art, science, engi-With seven campuses, 36 coland one polytechnic Insti-

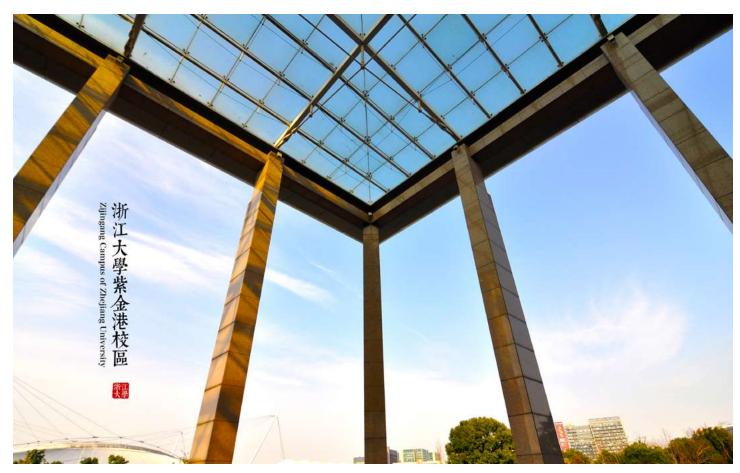
disciplines.

Zhejiang University has long held the educational philosophy of putting people fore-Zhejiang University spans 12 most, cultivating all-round competence in students, ing philosophy, economics, seeking the truth, and pioneering new trails in search of excellence. The university neering, agriculture, med- is committed to developing icine, and management. future leaders with an international perspective. Zheleges/schools/departments jiang University has turned out a large number of outtute, Zhejiang University has standing talented students 14 primary and 21 secondary throughout its history. There

alumni members of the Chinese Academy of Sciences and Chinese Academy of Engineering. With educational thoughts keeping up with the times, Zhejiang University outpaces the whole nation in educational reforms. A rich campus culture, advanced teaching facilities, and a wide range of international exchange programs create favorable conditions for students' development.

HANG ZHOU, CHINA **CONFERENCE HOST**

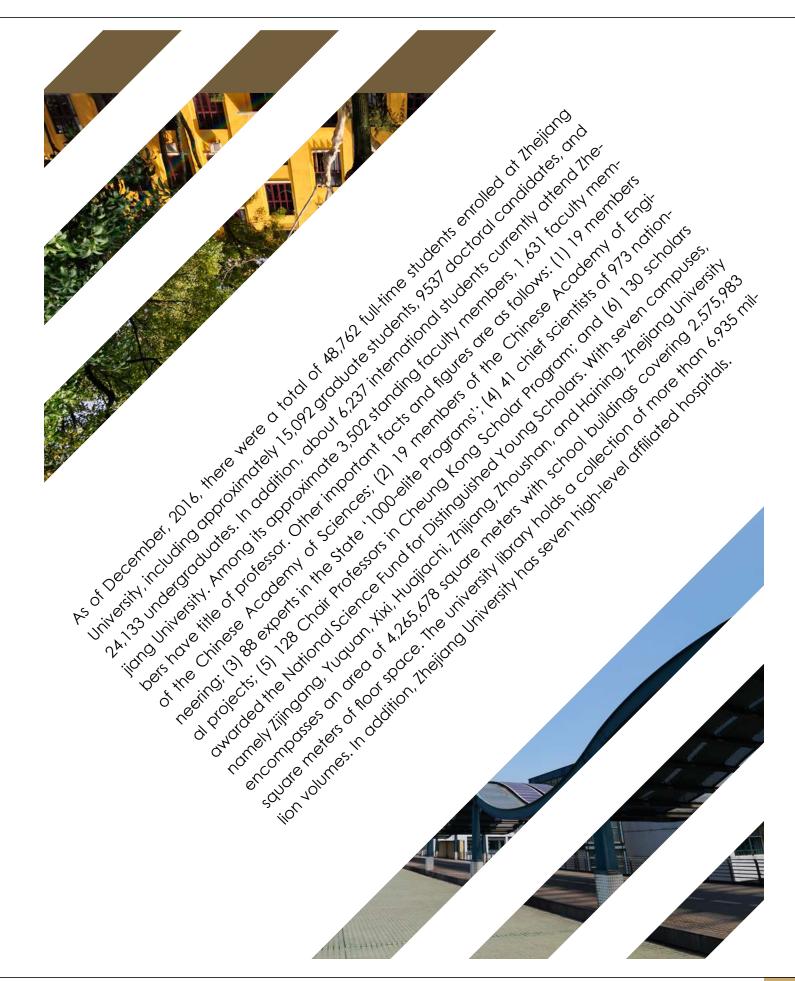
> "Why do you come to ZJU? Who do you become after graduation ?"



Zhejiang University focuses years, Zhejiang University has on meticulous study and research in addition to science tion in China in output indiand technological innovation. It has launched a number and patents and has made of international high-end academic platforms and gathered experts, scholars, and high-level research teams in

maintained a leading posicators including publications abundant important advances in science, technology, humanifies, and social sciences. Zhejiang University always various disciplines. In recent takes the lead in catering to

national and regional needs and is striving to become an influential high-level source of innovation and pool of talented researchers. In 2016, the research fund at Zhejiang University amounted to 3.518 billion yuan.



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As a national university by the Qiantang River, Zhejiang University is striving to build itself into an innovative and comprehensive research university with worldclass status. Zhejiang University adheres to the spirit of seeking the truth and pioneering new trails, dedicating itself to creating and disseminating knowledge, advancing civilization, serving and leading society, and promoting national prosperity, sodevelopment, and human progress.



HANG ZHOU, CHINA

CONFERENCE HOST

Atmospheric Sciences at ZJU •



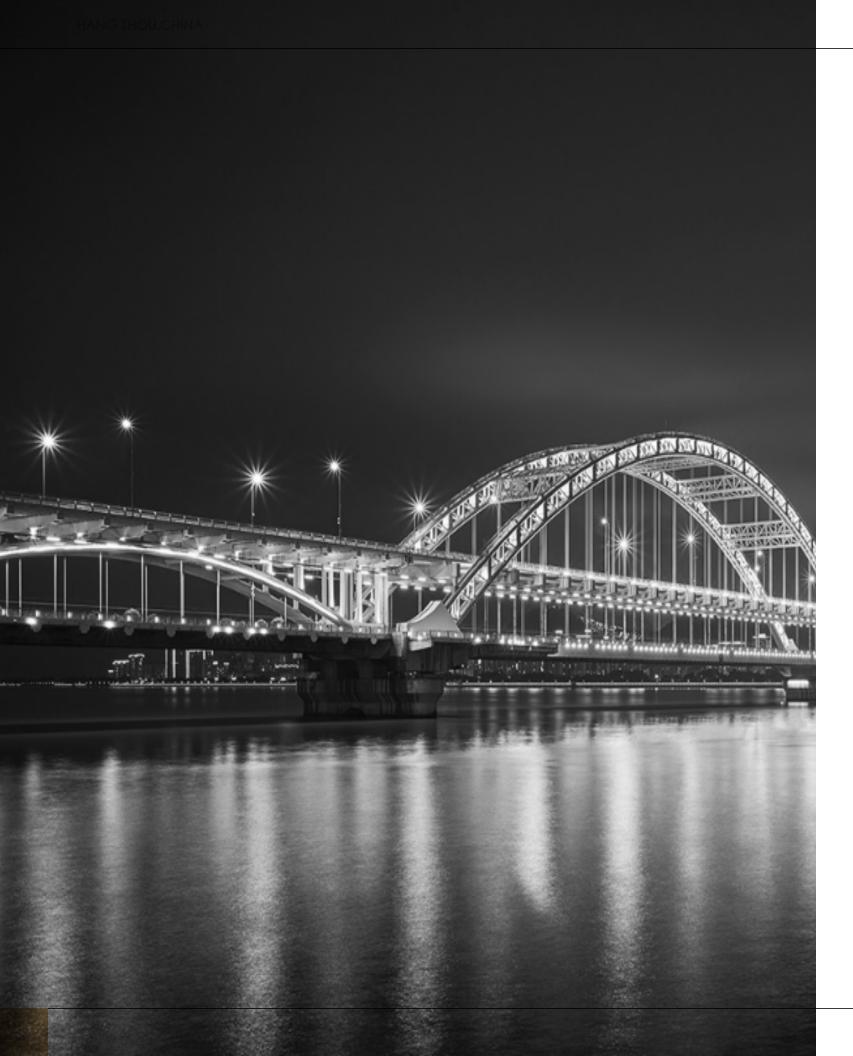


The School of Earth Sciences consists of four major research areas: (1) earth information science and technology; (2) geographic information systems; (3) resources environment and management of urban and rural planning; and (4) atmospheric sciences. The discipline of atmospheric sciences at Zhejiang University was founded in 1936 by the prominent Chinese meteorologist, Zhu Kezhen. Since then, it has experienced several decades of reconfiguration. The discipline started with an undergraduate program in 1960 and then offered a graduate program with a master's degree in 1986. In 1998, the discipline of atmospheric sciences was merged with the Department of Earth sciences (now the School of Earth Sciences).

In 2016, the discipline of atmospheric sciences developed into the Department of Atmospheric Sciences within the School of Earth

sciences. It currently has 14 faculty members with four professorships, seven associate professorships, one research fellowship, one assistant professorship, and one lab assistant position. Current primary research areas include global climate change, Earth system modeling, extreme weather, cloud physics, and atmospheric radiation and remote sensing. The overall mission of this discipline is geared toward cutting-edge research with high domestic and international visibility and providing students with high-quality educational training and diverse research opportunities. The discipline of atmospheric sciences encompasses a full undergraduate program and a master's degree program in Atmospheric Sciences. It also offers a doctoral (Ph.D.) program in the major of atmospheric sciences under the discipline of geological resources and engineering.

 ~ 3



Local . Organizing Committee .

Daren Lv Professor, Academician of the Chinese Academy of Sciences, the Institute of Atmospheric Physics, Chinese Academy of Sciences, China Peng Zhang Deputy Director-General, National Satellite Meteorological Center, China Meteorological Administration, China

Mingzheng Duan Professor, Chinese Academy of Sciences, China Hua Zhang Professor, Chinese Academy of Meteorological Sciences, China

Zhengqiang Li Professor, Chinese Academy of Sciences, China Feng Zhang Professor, Nanjing University of Information Science & Technology, China

Chao Liu Professor, Nanjing University of Information Science & Technology, China

Bingqi Yi Associate Professor, Sun Yat-sen University, Guangzhou, China Chen Zhou Associate Professor, Nanjing University, Nanjing, China Long Cao Professor, Zhejiang University, China Lei Bi "One-hundred Talent Program" Professor, Zhejiang University, China HANG ZHOU, CHINA

CONFERENCE HOST

Conference Budget



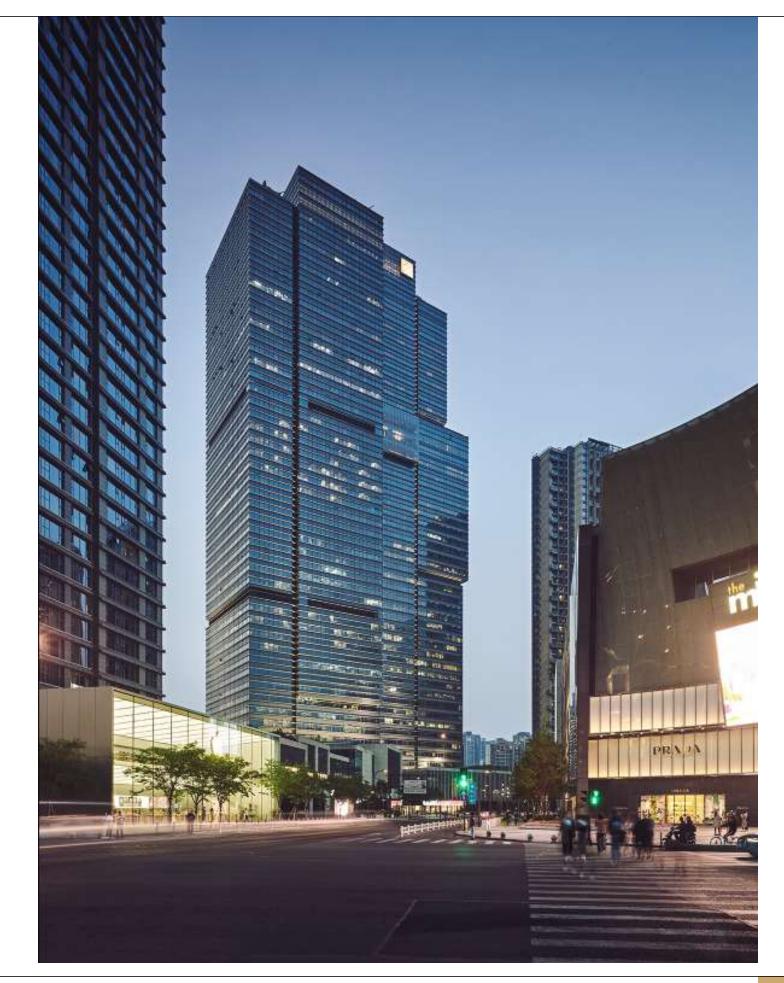


Conference budget

Prices include ordinary invoice tax. Based on 300 delegates.

ESTIMATED INCOME				
		x1	RMB ¥	US \$
1. Total registration fee	Early bird registration	600	634365	99900
	Student early bird	300	102870	16200
	Standard registration	700	80010	12600
	Student standard fee	400	22860	3600
	Partners registration	130	11144.3	1755
2. Sponsorship money			150000	23622
TOTAL ESTIMATED INCOME			1001249.3	157677

ESTIMATED EXPENSES		
	RMB¥	US \$
Marketing and communications	38000	5984
Venue and equipment hire costs	66950	10543
Catering (morning, afternoon teas, lunches and dinners over duration of conference)	480500	75669
Conference materials (e.g., handbooks, name tags, etc)	64760	10198
Transportation fee	15100	2378
Social activities	197800	31150
Financial management	22503	3544
Event management/facilities management/registration management	30787	4848
Admin costs and credit card fees	19756	3111
TOTAL ESTIMATED EXPENSES	936156	147426



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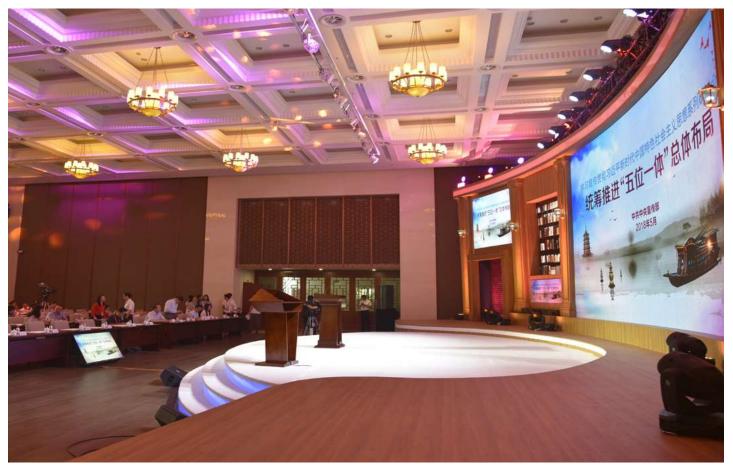


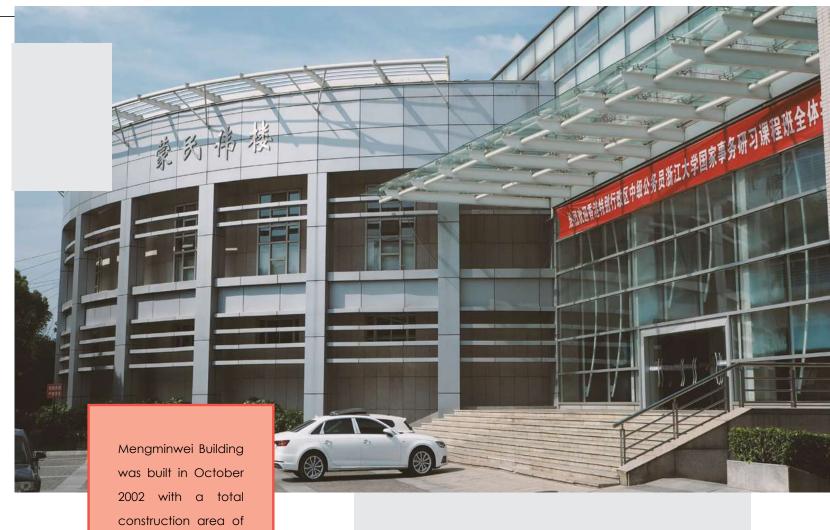


HANG ZHOU, CHINA

VENUE AND ACCOMMODATION







28000

28,000 m².

Square meters

500

Main auditorium

250

Small lecture hall

•••••

CONFERENCE VENUE

Mengminwei Building

The whole building has a courtyard layout, which includes two buildings, one on the south and one on the north sides. The building is equipped with various types of laboratories and academic lecture halls. The main lecture hall can accommodate 500 people, while four small ones can each hold 250 people. Each hall has a sector structure, specially designed to hold meetings and academic seminars.



ACCOMMODATION AND DIET IN HANGZHOU

INTERNATIONAL RADIATION SYMPOSIUM 2020 ROOM RATES

The table below provides an overview of room rates sourced for International Radiation Symposium 2020.

Hotel	QualMark star rating	Room type	Room rate	
	40		RMB¥	US \$
Sheraton Grand Hangzhou Wetland Park Resort	5 star	Luxury room	1200	189
2、Shangri-La Hotel	5 star	Luxury room	1200	189
3、The Dragon	5 star	Luxury room	1100	173
4. Zhejiang Hotel	4 star	Luxury room	700	110
5、Yuanzheng Qizhen Hotel	4 star	Luxury room	450	71
6、Zijingang International Hotel	4 star	Luxury room	450	71
7、Zijingang Hotel	3 star	Luxury room	400	63
8. Hangzhou Tangren Ruyi Hotel	4 star	Luxury room	350	55
9、Yibo City Art Hotel	5 star	Luxury room	400	63

VENUE AND ACCOMMODATION

— Hotel



Sheraton Grand

The Sheraton Grand
Hangzhou Wetland Park
Resort, conveniently
located near the
beautiful Xixi National
Wetland Park, offers all of
the amenities you need to
relax or work.



Shangri-La Hotel

You are lost in nature's emerald treasure. Hangzhou's West Lake surpasses all expectations. Cycling along the meandering paths of this legendary scenic spot, you are dazzled by its beauty, both natural and manmade.



The Dragon

For more than 20 years, The Dragon has ranked among the finest hotels in Hangzhou. It is the first choice for both Chinese and international visitors. With nearly 600 rooms, this hotel has the city's largest ballrooms, renowned conference facilities, and sumptuous dining. The Dragon has an unparalleled reputation for refined service.



Zhejiang Hotel 700 RMB

Zhejiang Hotel, located at No. 278, Santaishan Road, Xihu District, overlooks the central mountains and waters of the new West Lake scenic area and is built according to five-star standards. It is the only garden hotel surrounded by mountains and lakes in Hangzhou City.



Yuanzheng Qizhen Hotel
450 RMB

Yuanzheng Qizhen Hotel, established by Zhejiang University, was built according to the four-star standard. Located on Zijingang Campus of Zhejiang University, it embraces the remains of the Hecha cultural area at the south of the lower branches of the Yangtze River and is adjacent to the well-known National Xixi Wetland Park and the burgeoning West Lake Hi-tech Industrial Park.

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HANG ZHOU, CHINA

VENUE AND ACCOMMODATION

Zijingang International Hotel

450 RMB

Zijingang International
Hotel is located near the
entrance of Zijingang
Campus, Zhejiang
University, and provides
an excellent view of
the beautiful campus
scenery. The hotel is
close to the famous Xixi
National Wetland Park.
Large shopping malls are
conveniently located
nearby, including Yintai,
Impression City, and West
City Square.



Hangzhou Zijingang Hotel

450 RMB

Hangzhou Zijingang Hotel is located at 798 Shenhua Road, just across the road from Zhejiang University. The unique flavor of this hotel can be sensed within the hotel's rich cultural atmosphere. On the west of the campus is the Xixi National Wetland Park, the first and the only park that has large wetlands, farming wetlands in addition to Chinese cultural wetlands.

Hangzhou Tangren Ruyi Hotel

350 RMB

Hangzhou Tangren Ruyi Hotel is a boutique business hotel, located in Block C Tongren

Square, Gudun Road, Xihu District of Hangzhou City. It is only 1.3 kilometers away from Zijingang Campus and 30 kilometers away from Xiaoshan International Airport. The hotel is the best place to stay for people with all types of business, trav-

el needs, and conferences.



Yibo City Art Hotel

400 RM

Yibo City Art Hotel (Hangzhou), located on Gudun Road, Xihu District, near Shenhua Road, is situated in a quiet and peaceful environment with convenient transportation. The distance from the hotel to the Zijinggang Campus is about 1.3 kilometers. The hotel embraces the design art of natural life, which can be superbly experienced while being in a city favoring with concrete and iron.

HANG ZHOU, CHINA

VENUE AND ACCOMMODATION

Restaurant



well-equipped meeting room, which is around 2,000 square meters and has modern multimedia facilities such as simultaneous interpretation and network video.

Yuanzheng Qizhen Hotel

Yuanzheng Qizhen Hotel, established by Zhejiang University, was built according to the four-star standard. The lake-view and "scholarly ZJU"-themed hotel, featuring its unique guest rooms resembling modern studies does not hesitate to show the cultural aspects of a famous institution of higher learning.

We own 136 guest rooms of various standards, a Chinese-style dining room, a Western-style dining room, 12 boxes, over 500 dining seats, and a technologically advanced and

2



The student canteen

The student canteen in Zijingang Campus of Zhejiang University is one of the largest student canteens in China. With first-class facilities and a comfortable environment, the canteen can provide catering services for various types of meetings and can accommodate ten thousand people at the same time.



Sun Yat-sen, Chiang Kai-shek, the Italian President, Pell Denny, President of Czechoslovakia, William West, Tommaso Rocchi, Lu Xun, and other celebrities from all walks of life have visited "lou wai lou".

Lou wai lou

"Lou wai lou" was founded in the 28th year of Daoguang period in Qing Dynasty (1848). It is located on the north side of the West Lake and the south side of the Gushan Mountain. The shop was named after the poet Lin sheng from the Southern Song Dynasty, which is famous for its famous traditional dishes.

For more than 160 years, "Lou wai lou" received numerous Chinese and foreign famous politicians, artists, and writers.

Chinese Hangzhou Cuisines Museum Catering Culture Co., Ltd



This is a place for combined cuisines and cultures that enhance each other's beauty, which visitors with an enjoyable view and different flavors. Tourists can feel the intense cultural inception of old Hangzhou Cuisines.

The Chinese Hangzhou Cuisines Museum Catering Culture Co., Ltd is located on the Jiangyang Fan Original Ecology Park side of the historical site of Southern Song dynasty Imperial city. The Exhibition Hall and Synthesis Hall of Chinese Hangzhou Cuisines Museum, covering 12470 square meters in building consists of a professional exhibition hall, Qiantang Cooking House, Hangzhou Flavoring Restaurant, and Dongpo Pavilion. All of these buildings are joined by a waterside platform with the basement as the kitchen.

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BEYOND THE OFFICIAL PROGRAM

Hangzhou, the capital city of Zhejiang Province, is one of eight famous ancient capitals of China and is also the key scenic tourist city and historic and cultural city designated by the State Council. Hangzhou enjoys a history of more than 2,200 years since the Qin Dynasty. Nowadays, Hangzhou has become a modern political and economic center, a transportation hub, and a cultural metropolis in the southeas coastal areas of China.



HANG ZHOU, CHINA
BEYOND THE OFFICIAL PROGRAM





EAT IN HANGZHOU

Hangzhou is known as "paradise on earth" for its beautiful scenery.

Hangzhou cuisine, the leader of Zhejiang cuisine, is characterized by light oils, light sauces, and delicate and tender flavors.

LIVE IN HANGZHOU

There are luxurious and noble high-class accommodations, small farm houses in the countryside, and convenient short-term rentals. People can choose the type of housing according to their own interests.



TRAFFIC IN HANGZHOU

Transportation is convenient in Hangzhou with planes, trains, and highways.

SHOP IN HANGZHOU

The shopping in Hangzhou is very distinctive, not only with respect to the department stores and the big shopping malls, but also the characteristic commercial streets with unique styles.

PLAY IN HANGZHOU

The entertainment life of Hangzhou people is rich and colorful. Tasting tea in Meijiawu, wandering on the Hubin Road, and boating in the West Lake are worth experiencing.

WELCOME TO HANGZHOU

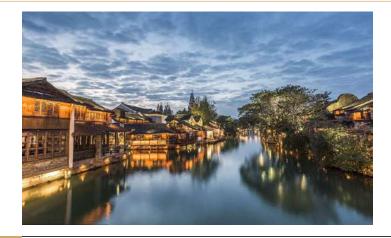
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TRAVEL IN HANG ZHOU,CHINA



Qiandao Lake 🔺

Qiandao Lake, located in Chun'an county, west of Hangzhou, is one of the first national key scenic spots and a national 5A tourist area. The Qiandao Lake scenic area is characterized by mountains, water, and archipelagos and has been called "the most beautiful lake in China". It is moving toward becoming the first choice of resorts for tourists in the Yangtze River Delta and is a domestic first-class and world-renowned leisure resort.

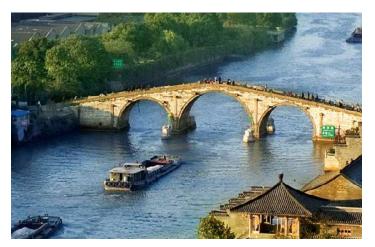


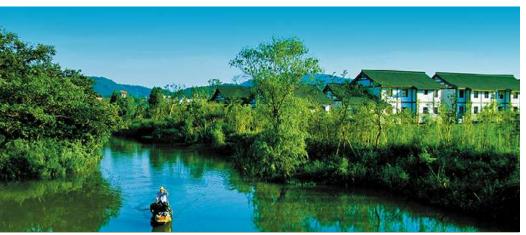
Wuzhen

Wuzhen, located in Jiaxing City, Zhejiang Province, is one of the first groups of famous Chinese historical and cultural towns and one of the Ten Charming Towns in China. Wuzhen is a typical Jiangnan (means regions south of the Yangzte River) water town which has over 7,000 years of civilization and was built 1,300 years ago.

Beijing-Hangzhou Grand Canal

Hangzhou is located at the southern end of the Beijing-Hangzhou Grand Canal. The Hangzhou section of the canal has the most abundant historical sites in the area and a unique cultural heritage.





Xixi National Wetland Park

The Xixi National Wetland Park, located in the western part of Hangzhou, is the first park in China that has urban, agricultural, and cultural wetlands.

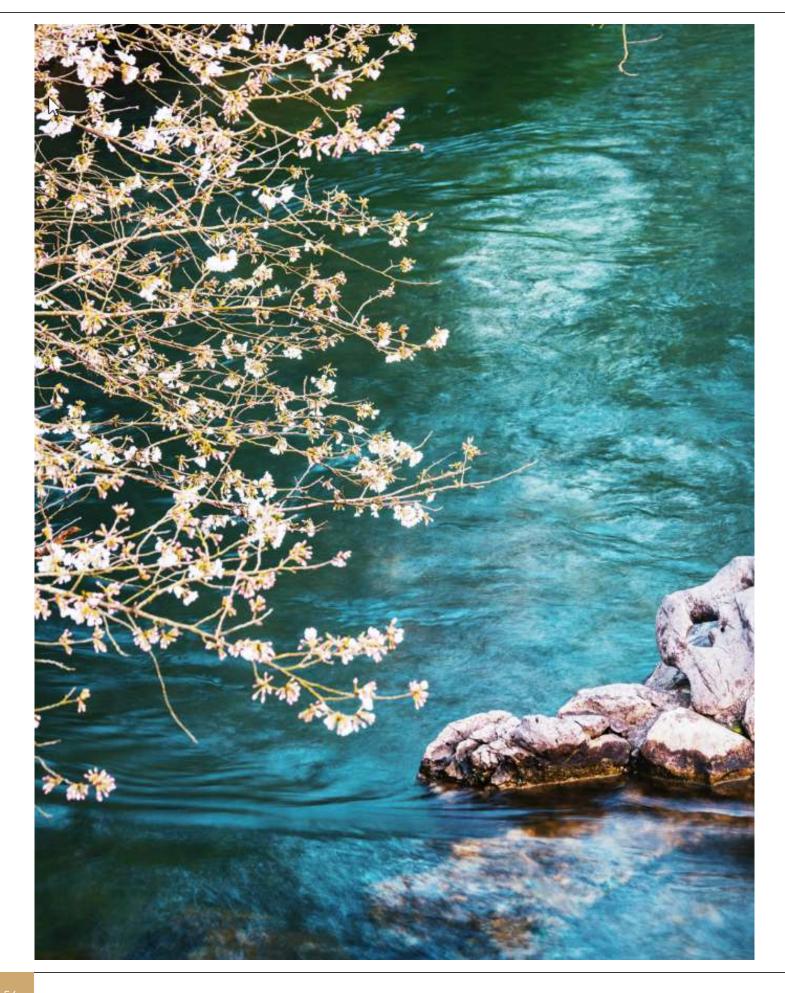
Tianmu Mountain

Tianmu Mountain is the nearest virgin forest in the city. It is only an hour's drive from the urban area of Hangzhou and is famous for its big trees. Tianmu Mountain is the first mountain sponsoring ecological tourism in China and the most famous tourist resort in the southern areas of the Yangtze River.



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HANG ZHOU, CHINA
BEYOND THE OFFICIAL PROGRAM









Useful information

- **1.Weather:** Hangzhou is located on the southeast coast of China. The average temperature during June is about 21 to 29 °C with average precipitation of 211 mm.
- **2.Currency:** Chinese Yuan.
- **3.Electric Power:** 220 volts alternating current; power adapters may be required.
- **4.Emergency Contacts:** Fire 119, Medical Emergency 120, Phone Inquiries 114.
- **5.Mobiles:** Use global roaming or purchase a local SIM card.
- **6.Shopping:** Hangzhou shopping mall (9:00 am-21:00 pm on weekdays, and 9:00 am-21:00 pm on weekends)
- **7.Time Zone:** Beijing time = Greenwich Mean Time (GMT) + 8 hours. China uses the same time across the country.
- 8.Tips: Unnecessary
- 9.Language: The official language is Chinese (Young educated people can speak English)
 10.Visas:

Currently travelers from more than 80 countries do not require a visitor's visa for stays of less than thirty days. For further information about visas, please visit visaforchina.org

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HEAVEN ON EARTH