# TRAVELS NOW AND THEN

© Christopher Earls Brennen

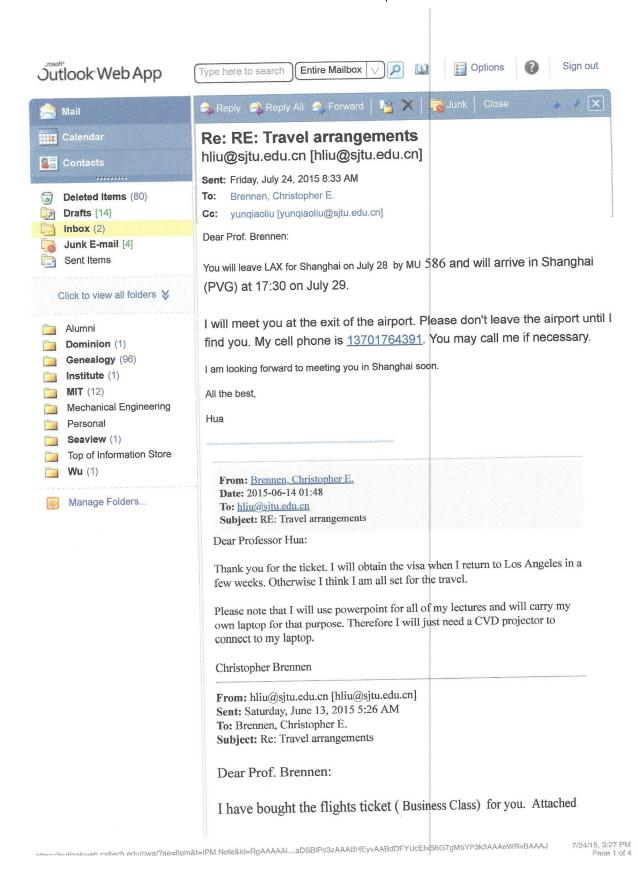
# **CHINA 2015**

# CHINA 15

#### Prof. Brennen's Schedule---updated-0729

Date	Events	Corresponding persons
	CB arrives in Pudong International Airport at 17:30, Flight MU586;	Dr. Yunqiao Liu reserved a university car to pick up CB at
	Check in at the Academic Center, SJTU	the airport, terminal one, PVG.
July 29	campus (referring as AC-SJTU)	Mr. Zhiyuan Ren will meet CE
Wednesday		at the exit gate.
	Information: breakfast, lunch and dinner at	Dr. Hua Liu will meet CB and
	the restaurant of AC-SJTU. All fees Charge to	have dinner at AC-SJTU.
	the room number and will be covered by	HL: 13701764391
	the school.	YL: 13761306639
		ZR: 13917254066
July 30	Free	Mr. Zhiyuan Ren
Thursday	Tree	Wii. Ziliyuan Ken
marsaay	10:00-12:00, visit laboratories in campus	Dr. Yunqiao Liu
	12:00-14:00, have lunch together with the	The staffs and graduate
July 31	faculty at Campus.	students at MOE Key
Friday	14:30-16:30, Seminar "Bubbles emerging	
rnuay		Laboratory of Hydrodynamics.
	from a submerged granular bed - and the	
	implications for methane release from lakes	
August 1	and reservoirs".	D. V. J. DAN C.
August 1 Saturday	Leave AC-SJTU for the Hongqiao (??) Train Station at 11:30 and travel to Jiangsu	Dr. Yongzhong PAN of Jiangsu
		University, 13815179257.
A	University Zhengjiang.	Mr. Zhiyuan Ren
August 2	Visit in Jiangsu University, Zhengjiang.	Dr. Yongzhong PAN
Sunday		
August 3	Visit in Jiangsu University, Zhengjiang.	Dr. Yongzhong PAN
Monday		
August 4	Visit in Jiangsu University, Zhengjiang.	Dr. Yongzhong PAN
Tuesday		
August 5	Return Shanghai from Zhengjiang	Dr. Yongzhong PAN
Wednesday		Mr. Zhiyuan Ren
August 6	Free	
Thursday		
->	14:00-15:00, Seminar "The Enchantment of	Dr. Yunqiao Liu
August 7	Remote Islands and Their Peoples".	The staffs and graduate
Friday	15:30-16:30, Seminar "Canyoneering in the	students at MOE Key
	Southwestern USA and around the World".	Laboratory of Hydrodynamics.
August 8	Visit Deep Water Harbor at Yangshan Island	
Saturday	and Tour in Shanghai. 9.00AM dyat	
August 9	T <del>our in Shangh</del> ai	
Sunday	Rest 6PM LOBBY -DINNE	0 ( 1 (1)

TRM. 1.40 PM



please find the Itinerary (in English) and the confirmation letter of e-ticket (in Chinese).

Look forward to meeting you in Shanghai.

Best regards,

Hua

From: Brennen, Christopher E.

Date: 2015-06-13 17:02

To: hliu@sjtu.edu.cn; pzy@ujs.edu.cn

Subject: Travel arrangements

Dear Professor Hua:

Thank you for the information. The airline flights that you suggest are fine with me. Please proceed to book those flights. I attach a copy of my passport.

Yours sincerely,

Christopher Brennen

From: hliu@sjtu.edu.cn [hliu@sjtu.edu.cn] Sent: Friday, June 12, 2015 7:44 AM

To: Brennen, Christopher E.

Cc: yunqiaoliu; 潘中永

Subject: Re: RE: Invitation\_Letter\_CBrennen

Dear Prof. Brennen:

Regarding the adresses of your staying, you may us:

- (1) Academic Center, Shanghai Jiao Tong Universitu, 800 Dong Chuan Rod, Shanghai 200240, China,
- Tel. <u>021-54740800</u>, <u>86-13701764391</u> (Prof. Hua Liu)
- (2) Research Center of Fluid Machinery Engineering and Technology, Jiangsu University, 301 Xuefu Road, Zhengjiang, Jiangsu 212013, China, Tel. <u>86-13815179257</u> (Prof. Zhongyong Pan)

I suggest the airline for your consideration:

(1) July 28, LAX--->Shanghai (PVG), MU 586,

departure time 12:30

(2) August, 19, Shanghai(PVG)--->LAX, MU 583, departure time 13:00

https://outlookweb.caltech.edu/owa/?ae=ltem&t=IPM.Note&id=RgAAAAAI...aDSBIPo3zAAABHEyvAABdDFYUcEfx\$6G7gM5YP3k3AAAeWRvBAAAJ

7/24/15, 3:27 PM Page 2 of 4 Please feel free to let me know if these flights are OK. I may buy the flight tickets for you. I need a scanned copy of your passport of the photo page with your passport number, full name and birth date.

All the best,

Hua

From: Brennen, Christopher E. Date: 2015-06-11 19:16

To: hliu@sjtu.edu.cn; pzy@ujs.edu.cn

CC: yunqiaoliu

Subject: RE: Invitation\_Letter\_CBrennen

Dear Prof. Liu:

The program you outline looks good to me. Also I think the invitation letter is good. I do have several questions:

1) The visa application requires full addresses for the places I will be staying (also in Jiangsu). Could you give me these? 2) How would you prefer to handle the airline bookings and reservations? I will fly from Los Angeles to Shanghai and return to Los Angeles.

I look forward very much to my visit to Shanghai and Jiangsu,

Christopher Brennen

From: hliu@sjtu.edu.cn [hliu@sjtu.edu.cn] Sent: Tuesday, June 09, 2015 8:56 PM To: Brennen, Christopher E. Cc: yunqiaoliu

Subject: Invitation\_Letter\_CBrennen

Dear Prof. Brennen:

Attached please find the invitation letter. If it is OK, I will mail it to your address at Caltech by EMS.

7/24/15, 3:27 PM Page 3 of 4 The tentative program of your visit in China is as following:

- (1) July 28, arrive in Shanghai and stay at the Academic Center on campus (contatcor: HL)
- (2) July 29-31, give a semnar and visit facilites at SJTU (contactor: HL)
- (3) August 1-5, visit Jiansgsu University (contactor: Prof. ZY Pan at Jiangsu U.)
- (4) August 6-10, give a seminar and discuss with the related faculty members at SJTU (contacor: HL)
- (5) August 11-14, visit the facilities at orther institutions in Shanghai and Wuxi (contactor: HL)
- (6) August 15-18, attend NCTAMC to be held at SJTU (contatcor: Yunqiao Liu)

Please feel free to let me know if it OK on your side.

All the best,

Hua

4 7

Connected to Microsoft Exchange



Dr. Hua Liu, Professor, Vice Dean
School of Naval Architecture, Ocean and Civil Engineering
Shanghai Jiao Tong University
800 Dongchuan Road, Shanghai 200240, China
Phone: +86-21-34204295 Email: <a href="mailto:hliu@situ.edu.cn">hliu@situ.edu.cn</a>

June 5, 2015

Dr. Christopher Earls Brennen
Hayman Professor of Mechanical Engineering, Emeritus
Mail Code 104-44, Department of Mechanical Engineering
California Institute of Technology
Pasadena, California 91125, USA
Phone: +1-626-395-4117 Email: brennen@caltech.edu

Dear Professor Brennen:

On behalf of School of Naval Architecture, Ocean and Civil Engineering, Shanghai Jiao Tong University, I would like to invite you to visit our school. The period of your visit to SJTU is from July 28 to August 20, 2015. During your visit, I'd like to invite you to give seminars on fluid mechanics and bubble dynamics to our faculty and graduate students. My colleagues and I will discuss with you about recent progress in studies on hydrodynamics and the possibilities of developing joint research project of mutual interests. We will make an organized program for you to visit the related research groups and the facilities on campus and at other universities in China.

During the period of your visiting in China, you will also be invited to give an invited lecture at the National Conference of Theoretical and Applied Mechanics of China (NCTAMC) to be held in SJTU from August 15 till August 19.

I believe that it will be a golden opportunity for us to exchange information about education and research in fluid mechanics. I'd like to confirm that our school will cover your round trip tickets to and from Shanghai-Los Angeles and local accommodation in China.

I look forward to seeing you in Shanghai.

Best regards,

Hualin 2007

上海东川路 800号

800 Dongchuan Road, Shanghai 200240, China

http://www.sjtu.edu.cn



#### **ITINERARY**

AIRLINE PNR:

NAME: BRENNEN/CHRISTOPHER EARLS MR

ID NUMBER: PP499042827

ISSUING AIRLINE: CHINA EASTERN AIRLINES

ISSUING AGENT:
AGENCY ADDRESS:

TEL:

IE PNR: 7F3NPC

ETKT NBR: 781-9352873606

CONJ NBR:

DATE OF ISSUE: 13JUN15

TAX:

IATA CODE: 08309560

FAX:

ORIGIN/DES

FLIGHT CLASS DATE TIME ARRTIME PERIOD STATUS ALLOW

TERMINAL
Takeoff Arrival

CNY 3110.00

LAX-LOS

MU586 ANGELES I 28JUL 1230 1730 +1

PVG-PU DONG MU583

J583 I 19AUG 1300

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LAX-LOS ANGELES

FORM OF PAYMENT: CASH

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**FARE:** CNY 25940.00 **TOTAL:** CNY 29050.00

IOTAL: CNY 29050.00

RESTRICTIONS: NON-END/PENALTY APPLY

#### NOTICE:

- · PLEASE ARRIVE AT THE AIRPORT BEFORE THE CHECK-IN TIME SPECIFIED BY THE AIRLINE. DURING CHECK-IN, PLEASE PRODUCE YOUR VALID ID CARD USED WHEN YOU PURCHASE THE TICKET.
- · TO FIND OUT MORE ABOUT THE REGULATIONS OF OTHER AIRLINES, PLEASE REFER TO THE RELEVANT AIRLINES OR AGENTS FOR MORE INFORMATION.

confirmation letter printing



confirmation letter printing



# SKY PRIORITY

网上值机确认纸 商务舱 BUSINESS CLASS

姓名 NAME

BRENNEN/CHRISTOPHEREARLSMR

航班号 FLIGHT/日期 DATE/舱位 CLASS

MU586 / 28JUL/ I

LOS ANGELES

登机口 Gate

至 To

登机时间 Boarding Time

序号 Serial No

Shanghai Pu Dong Airport 001

1200

座位号 Seat No.

9A

**TBA** 





15 MINUTES BEFORE DEPARTURE\*



#### 中國東方航空 dip **CHINA EASTERN**

# SKY PRIORITY

#### 网上值机确认纸 商务舱 BUSINESS CLASS

姓名 NAME (常旅客/FQT) 始发地/目的地 FROM/TO

航班/日期/舱位 FLIGHT/DATE/CLASS

座位号 SEAT NO.

序号 SERIAL NO.

BRENNEN/CHRISTOPHEREARLSMI

MU586 / 28JUL/ I

9A

001

\*登机口于起飞前15分钟关闭 GATE CLOSED 15 MINUTES BEFORE DEPARTURE\*



# 國東方航空



# SKY PRIORITY

网上值机确认纸 商务舱 BUSINESS CLASS

#### Tips:

- 1. As the confirmation letter is not acceptable to the security check, please go to the check-in counter to reprint boarding pass with your passport at Los Angeles International Airport Tom Bradley International Terminal, 45mintues before the scheduled departure time.

  2. Please recheck your boarding gate information at the enquiring counter or flight information display screen.
- flight information display screen.

  Right information display screen.

  Please drop your check-in baggage at the check-in counter at least 60 minutes before the scheduled departure time at Los Angeles International Airport Tom Bradley International Terminal.

  4. Your seat might be adjusted due to the aircraft changing, thank you for
- 4. Your seat might be advanted due to be a vour understanding.

  5. Please proceed through Security Check or C.I.Q 45 minutes before the scheduled departure, or you might miss the flight. In order to ensure that documents information in the system is accurate, staff will check your document at the boarding gate if you take the international/regional flight. Thanks for your cooperation.
- The boarding gate will be closed 15 mintues before the departure time. 7. Please reprint your boarding pass at the check-in counter if you lose it at Los Angeles International Airport Tom Bradley International Terminal.

姓名 NAME (常旅客/FQT)

## BRENNEN/CHRISTOPHEREARLSMR

始发地/目的地 FROM/TO

LAX / PVG

航班/日期/舱位 FLIGHT/DATE/CLASS

MU586 / 28JUL/ I

座位号 SEAT NO. 序号 SERIAL NO.

001





GATE CLOSED 15 MINUTES BEFORE DEPARTURE

1/1



#### Academic Exchanges Center of SJTU Shanghai China

#### FACT SHEET





LOCATION

800 Dongchuan Road Minhang District, Shanghai, China

PC: 200240

Tel: 86(21) 54740800 Fax: 86(21) 54740317

The Academic Exchanges Center is located in the Shanghai Jiao Tong University with a long history and beautiful environment and adjacents to the Zizhu Science-based Industrial Park. Thanks to the donation from Mr. Mo Ruoyu, the Shanghai Jiao Tong University schoolmate and patriotic oversea Chinese, this center was established in 1991, of which the name inscribed personally by Jiang Zemin in 1992, the General Secretary of CPC.

The Academic Exchanges Center has been built up with complete functions, different styles and great characteristic, of which the NO.1 Building gives the priority to the style of Nanyang, the South Su Garden Executive Floor was built in typical architecture style of the Suzhou Gardens and the No.3 Building takes the fashion and simplicity as its theme. All of these styles that bring out the best in each other and produce a delightful contrast, and form a unique garden of campus in the university. In the past two decades, various academic exchanges were hosted in the Academic Exchanges Center frequently and many government officers and famous professors and scholars were served successfully. It's an ideal place to stay for leisure, business negotiation and academic exchanges thanks to the unique campus culture and architectural style, high quality facility, friendly and helpful staff.

#### **FACILITIES**

- \$\delta\$ 158 rooms including 10 deluxe suites with:
  - -Minibar & refrigerator (Executive room & suites)
  - -Air-conditioning
  - -IDD telephone
  - -Satellite TV
  - -Internet
  - -Safe box (Executive deluxe suites)
- ♦ Non-smoking rooms
- ♦ Conference and meeting rooms
- ♦ Restaurant
  - -Central Restaurant
  - -Samite Restaurant
  - -Marco Polo Restaurant
- University Café

#### **SERVICES**

- ♦ Laundry
- ♦ 24-hour fax
- ♦ 24-hour reservation
- ♦ Safe depoist box
- Newspapers
- ♦ Taxi Service
- ♦ Wake-Up Service
- ♦ Baggage Service
- ♦ Message

LOCATION: 800 Dongchuan Road, Minhang District, Shanghai, China

Tel: 86(21) 54740800

Fax: 86(21) 54740317

中山陵 (ZhongShanLing, The Mausoleum of Dr. Sun Yat-sen)

The Dr Sun Yat-sen Mausoleum was built in 1926 in honor of Dr. Sun Yat-sen (1866-1925), who is recognized as the Father of Modern China. He led the rebellion against the corrupt Qing government resulting in the 1911 revolution which put and end the feudal system. In turn, the Republic of China was founded. The mausoleum is situated at the foot of the south face of **Purple Mountain**, and it has become a must-see tourist destination for all visitors to Nanjing. The construction of the mausoleum is symmetrical, and it serves as a fine example of classical and modern beauty. Entering the mausoleum in sequence is the torii, the corridor, the gateway, the monument, the memorial hall, and finally the tomb. A long stone stairway of 392 steps leads up to the tomb which lies at the rear of the memorial chamber. Outside the memorial chamber there is a tablet featuring the inscription of the "Three Principles of the People": nationalism, democracy and people's livelihood, which were formulated by Dr. Sun. Inside the hall stand black granite poles and a statue of Dr. Sun sculpted from white marble. Within the tomb a prostrate marble statue of Sun seals his coffin, which was buried five meters underground.

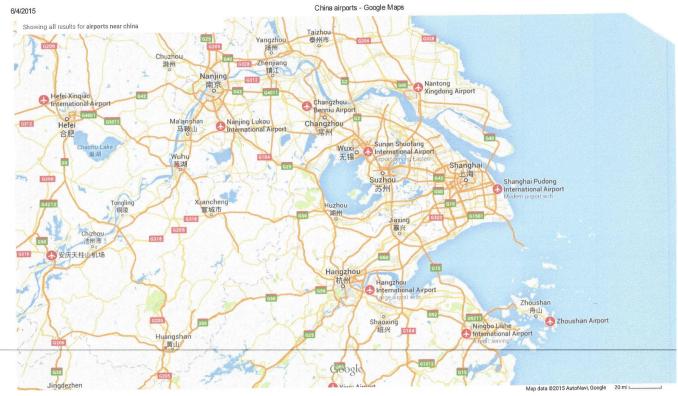
总统府(ZongTongFu, Nanjing Presidential Palace)

During the 1009 years from 1840 to 1949, it was the backbone of the Chinese military and politics. The Presidential Palace is now a historic site with great importance in modern history of China. And it is now the biggest modern history

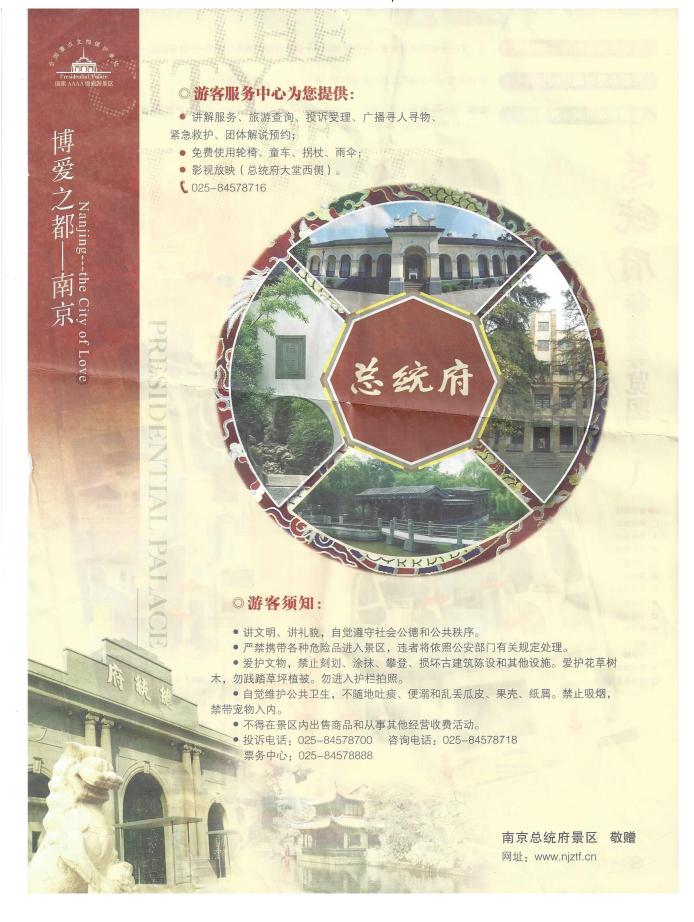
In the early Ming Dynasty, the Nanjing Presidential Palace was the Palace of King Han. In the Qing Dynasty, it became the office of the Viceroy of Liangjiang, the chief government official in charge of what is today Jiangsu, Anhui and Jiangxi. It was also the residence for Emperor Kangxi and Qianlong when they visit the south region of the Yangtze River. In 1853, Taiping Revolution forces led Hong Xiuquan occupied Nanjing. The palace was expanded and converted into a palace for Hong, the Palace of the Heavenly King. In 1864, Qing imperial forces re-took Nanjing and the Commander Zeng Guofan ordered that most of the palace be razed. After the Xinhai Revolution in 1911, Sun Yat-sen was sworn in at the Presidential Palace as the provisional President of the Republic of China. During the 50 years after the revolution of Nanjing, the Presidential Palace was the office for the government institution.

The Presidential Palace covers an area of 90000 square meters, which can be divided into three parts, namely the central part, the western part and the eastern part. There are sites of the Nationalist Government and the Presidential Palace in the central part, the Office of the Provisional President, Secretariat and the Department of Staffs in the western part and

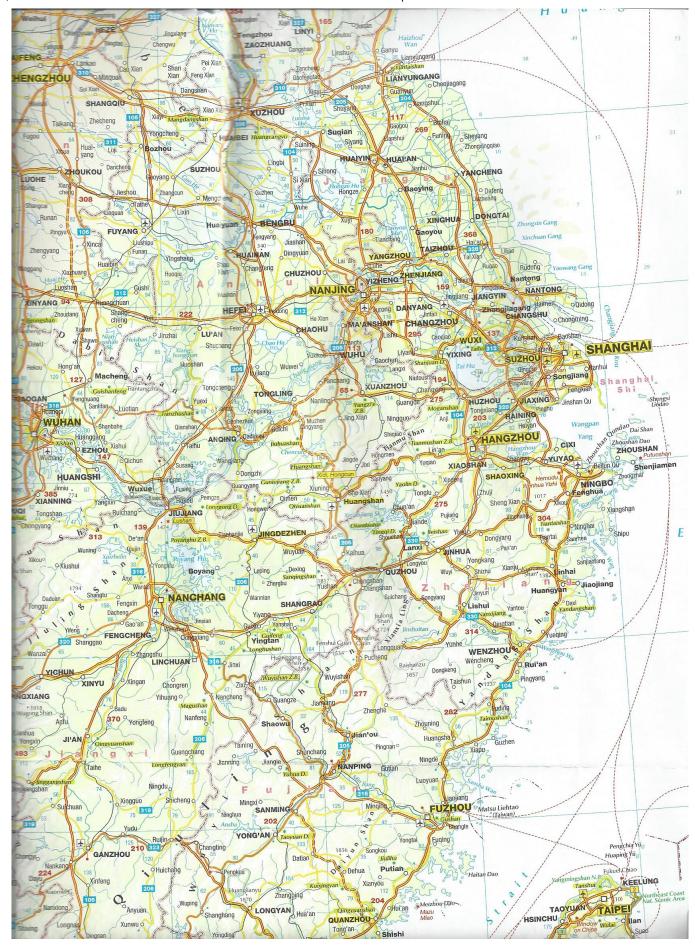
Some of the architectures in the palace are with classic style while some are combination of the Chinese and western style. However, all of them can reflect a period of Chinese history. Visiting the palace, you will get more about the modern history of China.











Page 1 of 3

niversity - Wikipedia, the free encyclopedia

# Jiangsu University

From Wikipedia, the free encyclopedia

Jiangsu University (simplified Chinese: 江苏大学; traditional Chinese: 江蘇大學; pinyin: *Jiāngsū Dàxué*) is a provincial university located in Zhenjiang, Jiangsu province, People's Republic of China (PRC).

#### **Contents**

- 1 History
- 2 Administration
  - 2.1 Schools and Departments
- 3 References
- 4 External links

# History

Jiangsu University was established through the combination of Jiangsu University of Science and Technology, Zhenjiang Medical College and Zhenjiang Teachers' College with the permission of the Chinese Ministry of Education in August, 2001. [1] Its main institution was the former Jiangsu University of Science and Technology,

Jiangsu University 江苏大学 Originated in 1902, combined Established and renamed in 2001 national university Type Yuan Shouqi President 1950 Academic staff 4500 Admin. staff 34100 Students Undergraduates 29200 4300 Masters, 600 PhD Postgraduates Zhenjiang, Jiangsu, People's Location Republic of China Urban area Campus Jiangsu University of Science Former names and Technology Zhenjiang Medical College Zhenjiang Teachers' College Colours Website www.ujs.edu.cn/ (http://www.ujs.edu.cn/)

which was one of the 88 key universities designated by the State Council in 1978. <sup>[2]</sup> Its history began with Sanjiang Normal School founded in 1902, which evolved and renamed Liangjiang Normal School in 1906, Nanjing Higher Normal School in 1915, National Southeastern University in 1921, Disi Zhongshan University in 1927, Jiangsu University in February and Central University in March of 1928, and Nanjing University in 1949. Nanjing University Engineering College became Nanjing Polytechnic Institute

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Page 2 of 3

in 1952 and then in 1960 a part of it became independent and moved to Zhenjiang next year and later became Jiangsu University of Science and Technology. It renamed Jiangsu University when merged with two colleges in the same city in 2001.

#### Administration

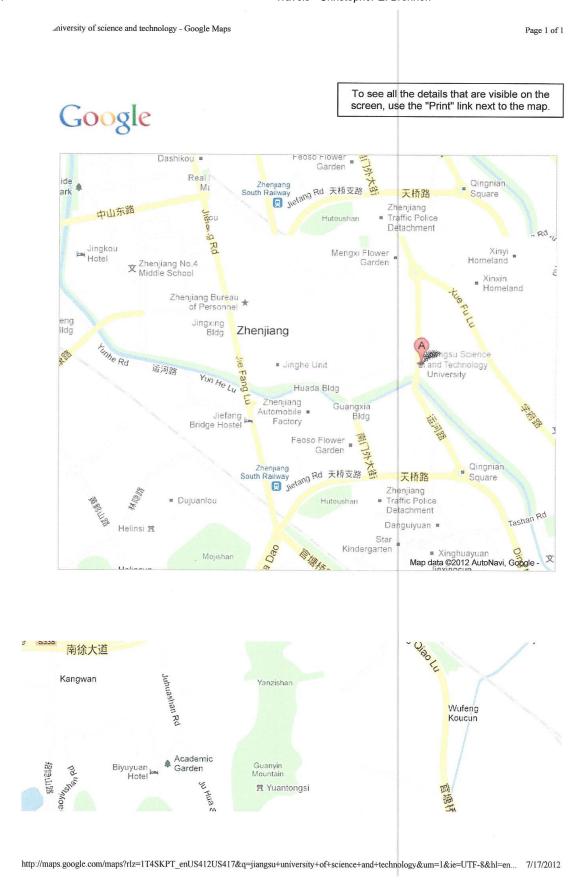
#### **Schools and Departments**

The university is organized into the following schools and departments.<sup>[3]</sup>

- School of Mechanical Engineering
- School of Material Science & Engineering
- School of Finance & Economics
- School of Electrical and Information Engineering
- School of Business Administration
- School of Environment
- School of Computer Science and Telecommunication Engineering
- School of Science
- School of Humanities and Social Sciences
- School of Foreign Languages
- School of Medical Technology
- School of Art
- School of Energy and Power Engineering
- School of Food and Biological Engineering
- School of Automotive and Traffic Engineering
- School of Chemistry and Chemical Engineering
- School of Medicine
- School of Pharmacy
- School of Law
- School of teacher's Education
- Jingjiang College

### References

- 1. ^ http://eng.ujs.edu.cn/pub/cms/About/Overview/
- http://eng.ujs.edu.Jiangsu University of Science and Technologycn/pub/cms/About/Overview/
- 3. ^ http://eng.ujs.edu.cn/pub/cms/Faculties/IntroductionOfSchool/



Sat. Aug.1, 2015

Pan came to Shanghai to pick me up and take me by train to Zhenjiang and Jiangsu University.

#### Sun. Aug.2, 2015

Lecture at Jiangsu University. University

## 讨论议题列表

#### **Topic List for Discussion**

Date: 2<sup>nd</sup> August, 2015 Place: Jiangsu University

1. 邀请 Brennen 教授作为第二届国际空化及多相流学术会议的大会主席,该会

To invite Prof. Brennen as the chairman of International Symposium on Cavitation and

Multiphase Flows which will be be a second or seco

2. 邀请 Brennen 教授每年到江苏大学指导空化的相关研究,包括指导建设空化 实验台等

To invite Prof. Brennen to guide cavitation research in Jiangsu University

3. 与加州理工的 Tim Colonius 团队建立各种层次的合作,包括科研合作和研究生

培养等方面

To establish possible cooperation between Prof. Tim Colonius' group and National Research Center of Pumps in Jiangsu University, including scientific research and postgraduate cultivation, et al.

4. 邀请 Brennen 教授作为排灌机械工程学报的国际编委

To invite Prof. Brennen as the international editorial member of Journal of Drainage

and Irrigation Machinery Engineering

5. 以行业知名专家的身份推荐排灌机械工程学报为 EI 收录源刊

To recommend the Journal of Drainage and Irrigation Machinery Engineering as the

Engineering Index Source Journal

6. Recommendation for Ji Pei

Travels - Christopher E. Brennen





Zhenjiang





Zhenjiang





Zhenjiang





Zhenjiang



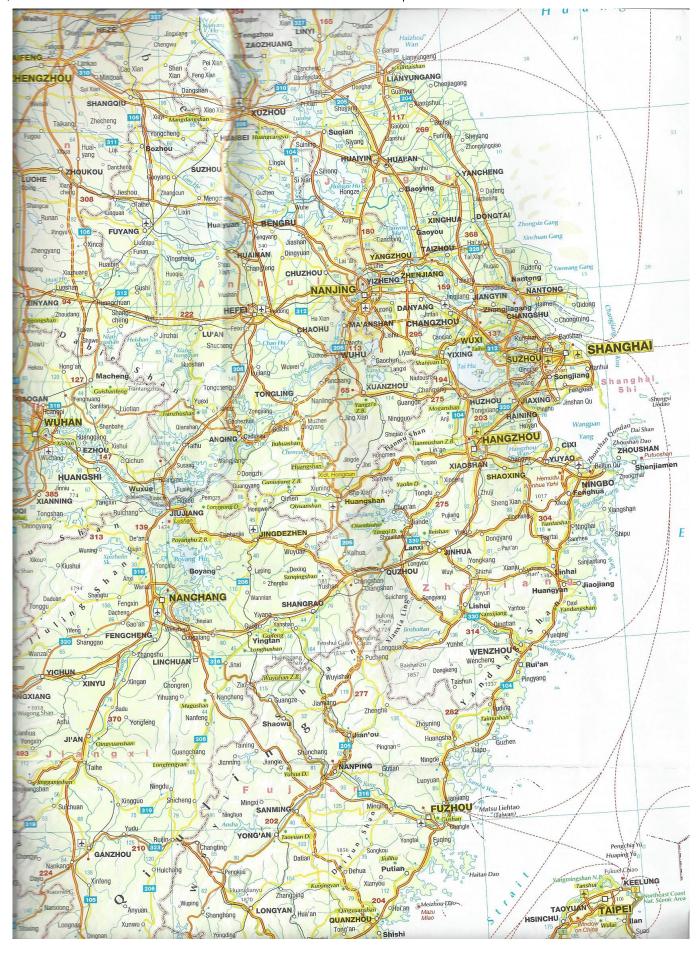


Zhenjiang

iniversity of science and technology - Google Maps Page 1 of 1 To see all the details that are visible on the screen, use the "Print" link next to the map. Google Feoso Flower M Dashikou = Real / ide ark allway 」 Jie<sup>tang</sup> Rd 天桥支路 Qingnian 天桥路 Square Zhenjiang 中山东路 Traffic Police Hutoushan Detachment Jingkou Mengxi Flower Garden Xinyi ... Homeland Hotel Zhenjiang No.4 文 Middle School Xinxin Homeland Zhenjiang Bureau \* Jingxing Bldg Zhenjiang 运河路 Jinghe Unit Yun He Lu 3 University Huada Bldg Zhenjiang Automobile Jiefang Bridge Hostel Bldg Factory Feoso Flower Garden allway lang Rd 天桥支路 Qingnian 天桥路 Zhenjiang

Traffic Police
Detachment Dujuanlou Hutoushan Tashan Rd Danguiyuan • Helinsi 五 Star Kindergarten ■ Xinghuayuan
Map data ©2012 AutoNavi, Google Mojishan 南徐大道 Kangwan Yanzishan Wufeng Koucun Academic Biyuyuan Hotel Garden 回遊坊 # Yuantongsi  $http://maps.google.com/maps?rlz=1T4SKPT\_enUS412US417\&q=jiangsu+university+of+science+ and + technology\&um=1\&ie=UTF-8\&hl=en... \end{array} \begin{subarray}{ll} 7/17/2012 & 1/18/2012 & 1$ 









Nanjing





Nanjing





Nanjing

Travels - Christopher E. Brennen





Wuxi





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Wuxi





Wuxi





Visit to China Ship Research Center





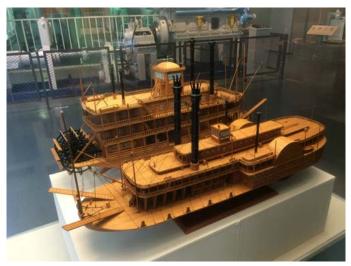
Shanghai Deep Water Harbor







Shanghai Marine Museum





Shanghai Marine Museum

Tue. Aug.11, 2015

Wed. Aug.12, 2015

#### Thurs. Aug.13, 2015

Fly from Shanghai to Huangshan City. Stayed in Huangshan City.





Huangshan City

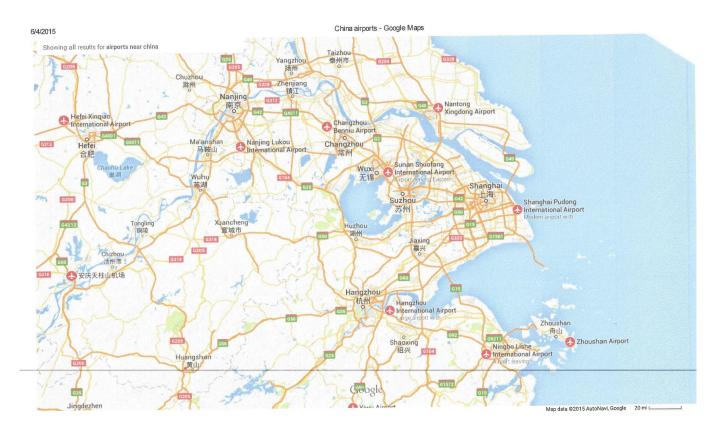


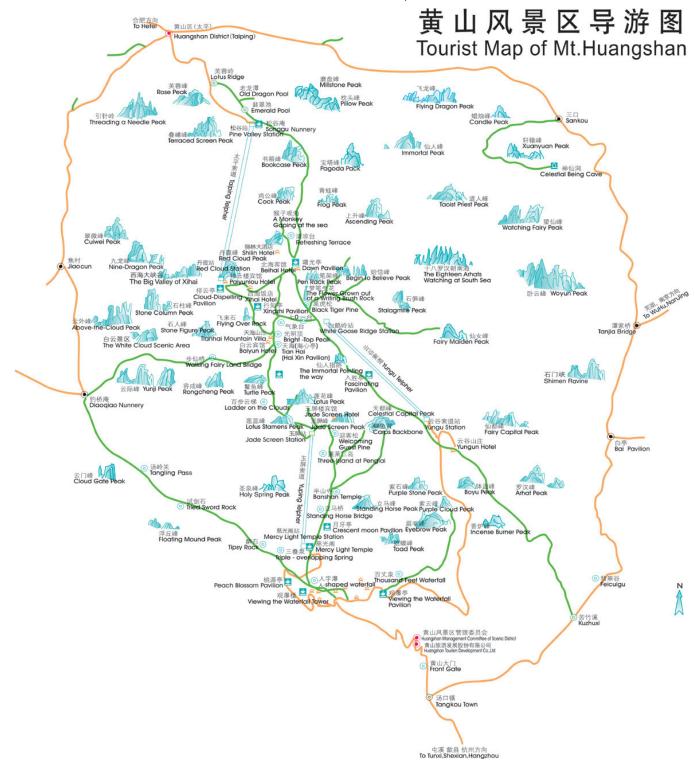


Huangshan City

Fri. Aug.14, 2015

Bus to Huangshan MOuntain. Up Cable car. Hike. Stayed in Behai Hotel on Hunangshan Mountain.







1630 m 1630 m 1630 m 1630 m 1630 m

1ST DAY (2015-08-13),

We will start from the hotel at 12:00.

Flight: 2015-08-13, 14:20-15:30, Hongqiao Airport T2-Tunxi Airport, Shanghai

Airline (FM9267)

Hotel: Huangshan Laojie Hotel

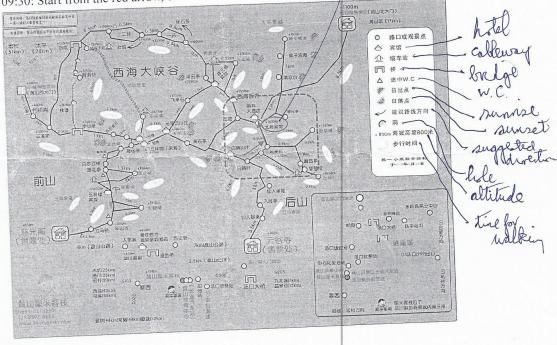
Huangshan hot spring open from 14:00-24:00

#### 2ND DAY (2015-08-14),

07:20: Guide will pick up us at hotel. We will take bus to Yellow Mountains. The distance from hotel to the mountains is around 70 km, need 1 hour.

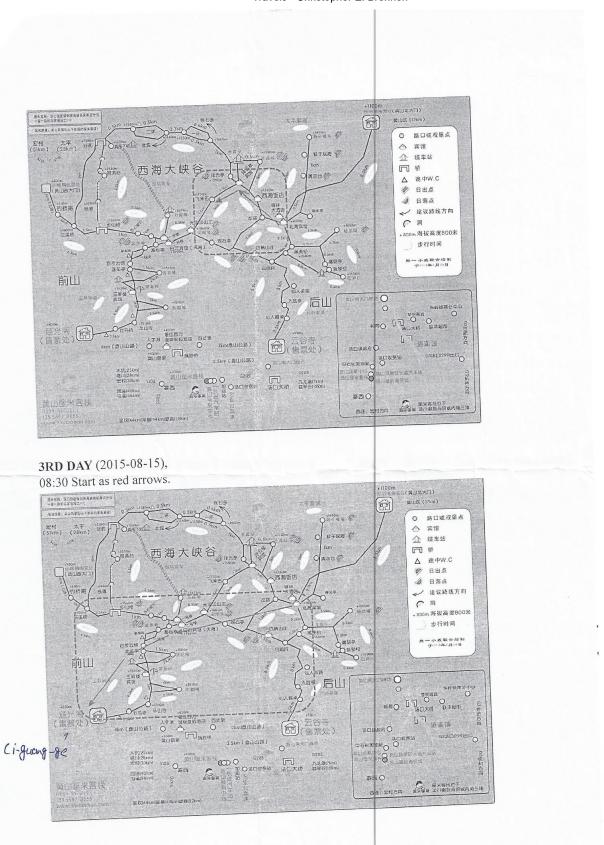
08:30: Arrive in Yellow Mountains, change bus to reach ropeway (cableway). 7 km, 25 min.

09:30: Start from the red arrow, check in Beihai Hotel with red circle.



12:30 Lunch and rest

13:30



up and drug will fantante weeks (2) Vetween the funnales. Onward up + drug to Beliai hotel. FL: 5780, FE 100 This olvo SANHUA JINGSHE?

In 1987? Hwangshar City was named for HUISHOU

Tout though Ctip Guide was Miss Qian Flight from SMA 2,20 - 3-30 (1)
Flight from SMA 2,20 - 3-30 (1)
Flight from SMA OLD STREET HOTEL
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**1uangshan** 

From Wikipedia, the free encyclopedia

Huangshan (simplified Chinese: 黄山; traditional Chinese: 黃山; pinyin: Huángshān; literally: "Yellow Mountains"),[2] is a mountain range in southern Anhui province in eastern China. Vegetation on the range is thickest below 1,100 meters (3,600 ft), with trees growing up to the treeline at 1,800 meters (5,900 ft).

The area is well known for its scenery, sunsets, peculiarly shaped granite peaks, Huangshan Pine trees, hot springs, winter snow, and views of the clouds from above. Huangshan is a frequent subject of traditional Chinese paintings and literature, as well as modern photography. It is a UNESCO World Heritage Site, and one of China's major tourist destinations. Huangshan is also the famous place for Chinese high quality teas, such as Huangshan Maofeng, Keemun Black and Blooming Tea.

## Contents

- 1 Physical description
- 2 History
- 3 Artistic and scientific inspirations
- 4 Tourism
- 5 Climate
- 6 Image gallery
- 7 See also
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# Physical description

Huangshan is known for its sunrises, [3] pine trees, [4] "strangely jutting granite peaks", [5] hot springs, winter snow and views of clouds touching the mountainsides for more than 200 days out of the year. [2][4][5][6]

http://en.wikipedia.org/wiki/Huangshan

## Huangshan 黄山



Panoramic view of the Huangshan landscape

Elevation

1,864 m (6,115 ft)[1]

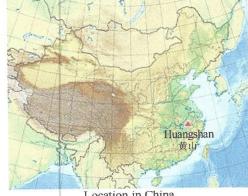
Prominence

1.734 m (5,689 ft)[1]

Listing

Ultra

#### Location



Location in China

Location

Anhui, China

Coordinates

30°07'30"N 118°10'00"E<sup>[1]</sup>

#### **UNESCO** World Heritage Site

Official name

Mount Huangshan

Type

Cultural & Natural

Criteria

ii, vii, x

Designated

1990 (14th session)

Reference no. 547

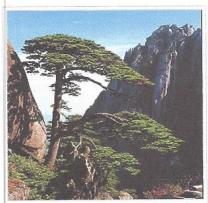
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auangshan mountain range has many peaks, some are than 1,000 meters (3,250 feet) high. [7] The three allest and best-known peaks are *Lotus Peak* (Lian Hua Feng, 1,864 m), *Bright Summit Peak* (Guang Ming Ding,

State Party Region (http://whc.unesco.org/en/list/547) China Asia-Pacific

1,840 m), and *Celestial Peak* (Tian Du Feng, literally *Capital of Heaven Peak*, 1,829 m). [2][5] The World Heritage Site covers a core area of 154 square kilometres and a buffer zone of 142 square kilometres. [8] The mountains were formed in the Mesozoic, about 100 million years ago, when an ancient sea disappeared due to uplift. [9] Later, in the Quaternary Period, the landscape was shaped by the influence of glaciers. [9]

The vegetation of the area varies with elevation. Mesic forests cover the landscape below 1,100 meters. Deciduous forest stretches from 1,100 meters up to the tree line at 1,800 meters. Above that point, the vegetation consists of alpine grasslands. The area has diverse flora, where one-third of China's bryophyte families and more than half of its fern families are represented. The Huangshan pine (*Pinus hwangshanensis*) is named after Huangshan and is considered an example of vigor because the trees thrive by growing straight out of the rocks. <sup>[9]</sup> Many of the area's pine trees are more than a hundred years old and have been given their own names (such as the *Ying Ke Pine*, or *Welcoming-Guests Pine*, which is thought to be over 1500 years old). <sup>[5]</sup> The pines vary greatly in shape and size, with the most crooked of the trees being considered the most attractive. <sup>[6]</sup> Furthermore, Huangshan's moist climate facilitates the growing of tea leaves, <sup>[10]</sup> and the mountain has been called "one of China's



The well-known Ying Ke Pine (迎客松), or Welcome Pine

premier green tea-growing mountains. [11] *Mao feng cha* ("Fur Peak Tea"), a well-known local variety of green tea, [12] takes its name from the downy tips of tea leaves found in the Huangshan area. [13]

The mountaintops often offer views of the clouds from above, known as the *Sea of Clouds* (Chinese: 云海; pinyin: yúnhǎi)<sup>[10]</sup> or "Huangshan Sea"<sup>[6]</sup> because of the cloud's resemblance to an ocean, and many vistas are known by names such as "North Sea" or "South Sea."<sup>[6]</sup> One writer remarked on the view of the clouds from Huangshan as follows:

To enjoy the magnificence of a mountain, you have to look upwards in most cases. To enjoy Mount Huangshan, however, you've got to look downward. [6]

The area is also host to notable light effects, such as the renowned sunrises. Watching the sunrise is considered a "mandatory" part of visiting the area. [3] A phenomenon known as *Buddha's Light* (Chinese: 佛光; pinyin: *fóguāng*)<sup>[14]</sup> is also well-known and, on average, Buddha's Light only appears a couple of times per month. [15] In addition, Huangshan has multiple hot springs, most of them located at the foot of the *Purple Cloud Peak*. The water stays at 42 °C all year<sup>[16]</sup> and has a high concentration of carbonates, and is said to help prevent skin, joint, and nerve illness. [9]

http://en.wikipedia.org/wiki/Huangshan

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## tory

ruangshan was formed approximately 100 million years ago and gained its unique rock formations in the Quaternary Glaciation. [9]

During the Qin Dynasty, Huangshan was known as *Yishan* (Mount Yi). In 747 AD, its name was changed to Huangshan (Mount Huang) by imperial decree; <sup>[17]</sup> the name is commonly thought to have been coined in honor of Huang Di (the Yellow Emperor), a legendary Chinese emperor and the mythological ancestor of the Han Chinese. <sup>[18]</sup> One legend states that Huangshan was the location from which the Yellow Emperor ascended to Heaven. <sup>[5]</sup> Another legend states that the Yellow Emperor "cultivated moral character and refined Pills of Immortality in the mountains, and in so doing gave the mountains his name. <sup>[9]</sup> The first use of this name "Huangshan" is often attributed to Chinese poet Li Bai. <sup>[18]</sup> Huangshan was fairly inaccessible and little-known in ancient times, but its change of name in AD seems to have brought the area more attention; from then on, the area was visited frequently and many temples were built there. <sup>[17]</sup>

Huangshan is known for its stone steps,<sup>[5]</sup> carved into the side of the mountain, of which there may be more than 60,000 throughout the area.<sup>[3][19][20]</sup> The date at which work on the steps began is unknown, but they have been said to be over 1,500 years old.<sup>[19]</sup>

Over the years, many scenic spots and physical features on the mountain have been named; [6] many of the names have narratives behind them. For example, one legend tells of a man who did not believe the tales of

Huangshan's beauty and went to the mountains to see for himself; he was almost immediately convinced. One of the peaks he supposedly visited was named *Shixin* (始信), roughly meaning "start to believe." [6]

In 1982, Huangshan was declared a "site of scenic beauty and historic interest" by the State Council of the People's Republic of China. [17] It was named a UNESCO World Heritage Site in 1990 for its scenery and for its role as a habitat for rare and threatened species. [4]

In 2002, Huangshan was named the "sister mountain" of Jungfrau in the Swiss Alps. [5]

# Artistic and scientific inspirations

Much of Huangshan's reputation derives from its significance in Chinese art and literature.<sup>[21]</sup> In addition to inspiring poets such as Li Bai, <sup>[3][8]</sup> Huangshan and the scenery therein has been the frequent subject of poetry and artwork, especially Chinese ink painting <sup>[17]</sup> and, more recently, photography. <sup>[2]</sup> Overall, from the Tang Dynasty to the end of the Qing Dynasty, over 20,000 poems were written about Huangshan, and a



Sea of clouds viewed from top of Huangshan



A steep cliff at Huangshan

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http://en.wikipedia.org/wiki/Huangshan

of painting named after it. [5][6] The mountains have also appeared in modern works. James Cameron, ector of the 2009 film *Avatar*, cited Huangshan as one of his influences in designing the fictional world of that film. [22]

The area has also been a location for scientific research because of its diversity of flora and wildlife. In the

early part of the 20th century, the geology and vegetation of Huangshan were the subject of multiple studies by both Chinese and foreign scientists. [17] The mountain is still a subject of research. For example, in the late 20th century a team of researchers used the area for a field study of Tibetan Macaques, a local species of monkey. [23]

## **Tourism**

Having at least 140 sections open to visitors, [4] Huangshan is a major tourist destination in China. [2][3] The city changed its name to Huangshan in 1987 in order to promote Huangshan tourism. [24] In 2007, for instance, over 1.5 million tourists visited the mountain. [25] The foot of the mountains is linked by rail and by air to Shanghai, [2] and is also accessible from cities such as Hangzhou and Wuhu. [26] As of 1990, there were over 50 kilometers of footpaths providing access to scenic areas for visitors and staffers of the facilities. [17] Today there are also cable cars that tourists can use to ride directly from the base to one of the summits. [2] Throughout the area there are hotels and guest houses that accommodate overnight visitors, [2][17] many of whom hike up the mountains, spend the night at one of the peaks to view the sunrise, and then descend by a different route the next day. [3] The area is classified as a AAAAA scenic area by the China National Tourism Administration. [27]



An ink painting depicting Huangshan by Shitao, 1670.

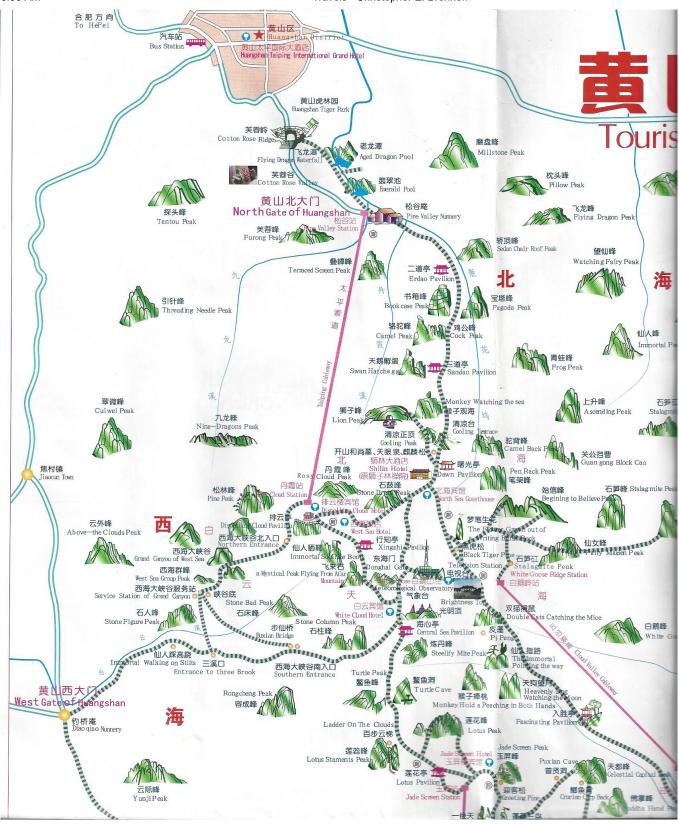


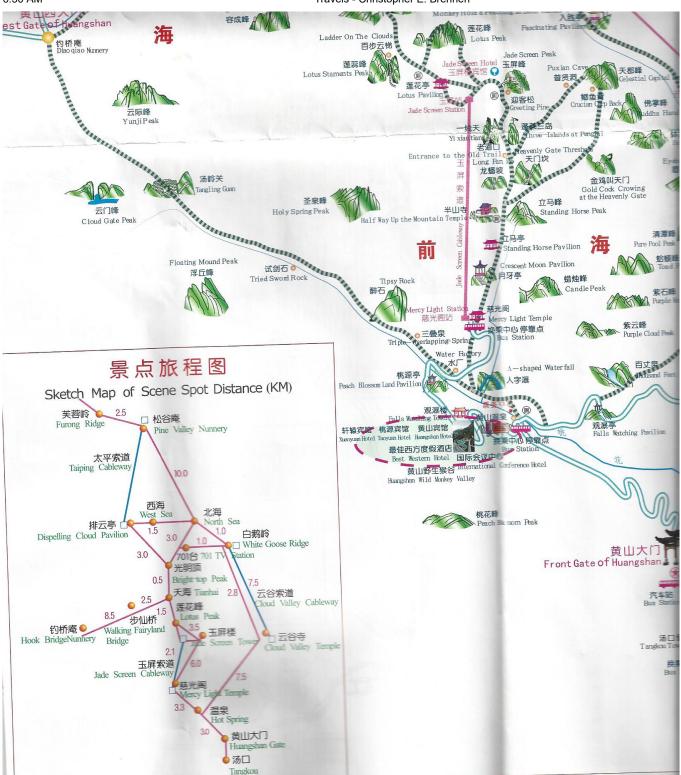
Entrance of the Taiping cable car station

The hotels, restaurants, and other facilities at the top of the mountain are serviced and kept stocked by porters who carry resources up the mountain on foot, hanging their cargo from long poles balanced over their shoulders or backs. [28]

## Climate

Huangshan has an oceanic climate (Cfb) according to the Köppen climate classification. Its elevation makes it colder and wetter than the rest of Anhui.





Travels - Christopher E. Brennen





Huangshan Mountain



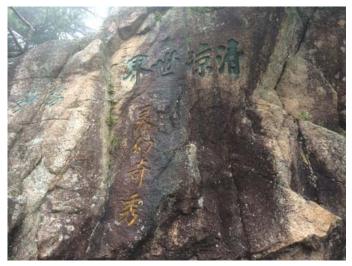


Huangshan Mountain





Huangshan Mountain





Huangshan Mountain

Sat. Aug.15, 2015
Hiking on Huangshan Mountain. Descend by Cable Car. Bus back to Huangshan City. Flight back to Shanghai.





Huangshan Mountain





Huangshan Mountain



Huangshan Mountain

Sun. Aug.16, 2015 Opening Session of CCTAM on New Campus.

中国力学大会 - 2015 (CCTAM2015)

### 大会特邀报告

CSTAM2015-A21-E0001

### 载人航天与力学

周建平

中国载人航天工程办公室



周建平,中国载人航天工程总设计师、中国工程院院士、中国科协第八届全国委员会常务委员,中国力学学会理事.曾任国防科技大学教授、酒泉卫星发射中心总工程师、中国载人航天工程副总设计师.曾获国家科技进步特等奖2项、一等奖1项,获何梁何利基金奖、全国十佳科技工作者、国家杰出青年科学基金、优秀青年教师基金、光华科技基金奖,多次获省部级科技进步一、二等奖,享受政府特殊津贴.

航空航天技术的发展与力学有着比其他行业更加密切、天然的联系. 航天的三大支撑技术 - 结构、动力和控制都以力学作为其理论分析和设计的基础, 航天技术发展的需求也极大推动了力学相关学科的发展, 二者的相互促进在不断深入. 与无人航天飞行比较, 载人航天要求更高的可靠性和安全性, 同时由于载人航天器的规模巨大和功能更为复杂, 带来了复杂大系统的结构、机构、噪声、微重力和控制等一系列新的挑战.

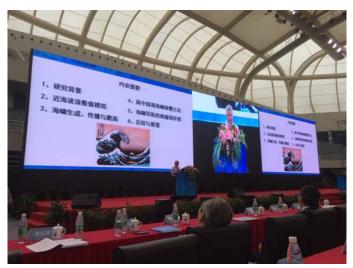
对我国载人航天研发过程中面临的一些典型力学问题进行了概述,内容涉及材料与结构、载荷与环境、动力学与控制、计算力学与结构优化、空间结构与控制、空气动力学与热防护、轨道动力学与控制等内容.结合一些典型案例,回顾了力学在载人航天发展过程起到的重大作用,并力图根据工程研发的实际需要,提出一些需要力学科学家解决的问题,促进航天技术与力学的交叉融合,为我国载人航天的更好发展奠定基础.

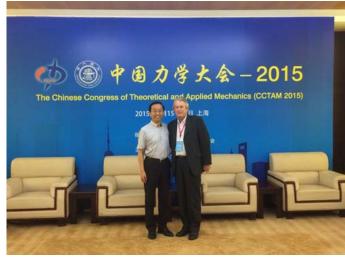






Opening Session of CCTAM. With the son of Tsien and with Pogo expert.





Opening Session of CCTAM, the Chinese Congress of Theoretical and Applied Mechanics at new campus of Shanghai Jiao Tong University. Right: With the president of Shanghai Jiao Tong University.

## Mon. Aug.17, 2015

My special lecture on Old Campus of Shanghai Jiao Tong University.

# 分会场报告日程安排

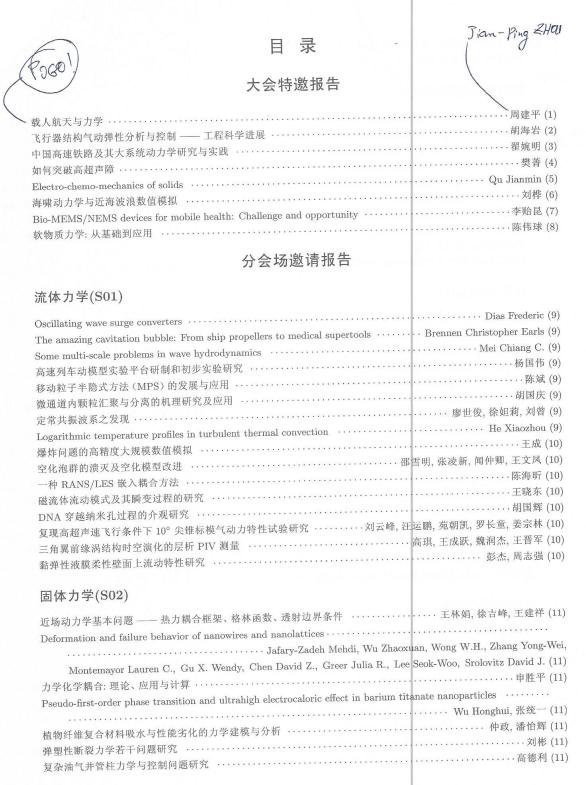
S01 流体力学(负责人: 樊菁)

8月17日上午 地点: 法学院报告厅 208

时间	编号	报告人	报告题目	单位	主持人
8:30	A21-E0009	Dias Frederic	Oscillating Wave Surge Converters	University College Dublin	樊 普
9:00	A21-E0010	Brennen Christopher	The Amazing Cavitation Bubble: From Ship Propellers to Medical Supertools	California Institute of Technology	
9:30	A21-E0011	梅强中	Some Multi-Scale Problems in Wave Hydrodynamics	Massachusetts Institute of Technology	
10:00	A21-E0012	杨国伟	高速列车动模型实验平台研制和初步实验研究	中科院力学所	
10:30			茶歇		
10:45	A21-E0013	陈斌	移动粒子半隐式方法(MPS)的发展与应用	西安交通大学	林建忠
11:15	A21-E0014	胡国庆	微通道内颗粒汇聚与分离的机理研究及应用	中科院力学所	
11:45 12:15	A21-E0015	廖世俊	定常共振波系之发现	上海交通大学	

8月17日下午 地点: 法学院报告厅 208

			8月17日下午 地点: 伝子院派百月 208		
时间	编号	报告人	报告题目	单位	主持人
14:00	A21-E0016	何晓舟	Logarithmic Temperature Profiles in Turbulent Thermal Convection	哈尔滨工业大学深 圳研究院	沈清
14:20	A21-E0017	王 成	爆炸问题的高精度大规模数值模拟	北京理工大学	
14:40	A21-E0018	邵雪明	空化泡群的溃灭及空化模型改进	浙江大学	
15:00	A21-E0019	陈海昕	一种 RANS/LES 嵌入耦合方法	清华大学	
15:20	A21-E0020	王晓东	磁流体流动模式及其瞬变过程的研究	中国科学院大学	
15:40			茶歇		
16:00	A21-E0021	胡国辉	DNA 穿越纳米孔过程的介观研究	上海大学	刘 桦
16:20	A21-E0022	刘云峰	复现高超声速飞行条件下 10° 尖锥标模气动力 特性试验研究	中科院力学所	
16:40	A21-E0023	高 琪	三角翼前缘涡结构时空演化的层析 PIV 测量	北京航空航天大学	
17:00 17:20	A21-E0024	彭杰	黏弹性液膜柔性壁面上流动特性研究	清华大学	







My special lecture at CCTAM

**Tue. Aug.18, 2015** CCTAM

Wed. Aug.19, 2015 Flew Shanghai to LA.

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Last updated 7/30/99. Christopher E. Brennen