

**Summer School on
Global Climate Change and Vulnerability of Natural Resources**

June 24- July 5, 2013

Xiamen • China

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About the Summer School

The Summer School on “Global Climate Change and Vulnerability of Natural Resources” is jointly organized by Xiamen University (XMU) and San Diego State University (SDSU). The Summer School is designed especially for university undergraduate students.

College of the Oceanography and Environmental Science (Former COE, which has been reformed to the College of Environment and Ecology, and College of Ocean and Earth Sciences), Xiamen University, signed an agreement with College of Sciences, San Diego State University in Oct. 2011, on cooperation of the student summer research school program. This summer school will be the second experience under the MoU. About Twenty-six undergraduate students, 11 from SDSU and 15 from XMU, will be recruited for this year. We will provide participants with quality learning, key concepts and current update in various aspects of environmental science.

Date: 24 June- 5 July, 2013

Venue: CEE Building A239 (Xiang'an Campus), Xiamen University

Language: English

Sponsors:

Xiamen University, China

San Diego State University, USA

Organizing committee:

Xiamen University: Dazhi Wang, Jinjing Luo

San Diego State University: Samuel Shen, Junda Lai

Lecturer Topics:

- Basic climate physics
- Quantitative assessment and prediction of climate change
- Marine pollution and climate change
- Environmental proxies for paleoclimate reconstruction and paleoclimate records Biological response and feedback in a warming climate: vulnerability of the Arctic ecosystem
- Climate change impact on infectious diseases
- New drugs for emerging diseases under the changing climate
- Field trip and activities



Field studies:

A fieldtrip to Jiulongjiang Estuary Mangrove Reserve, National Geologic Park of Strand and Volcano of Zhangzhou, and several field courses will be organized.

Cultural studies:

Several cultural events / tour will be organized during the summer school.

Target Group:

- Undergraduates in the areas of Environmental Science, Ecology, Biology, Life Sciences, Pharmaceutical Sciences, Oceanic and Atmospheric Science are welcome to attend the summer school.
- Participants are welcome to attend the student forum, presenting oral presentations.



Lecture Schedule

Date	Time	Program	Chair or Lecturer	Venue
June 23 SUN	15:00-17:00	On-site Registration & Hotel Check-in	Carrie Lee	CEE Cafe
June 24 MON	09:00-10:15	Campus tour	Minghua Wang	Main Campus
	10:30-11:30	Opening ceremony and group photo	Jinjing Luo	Zeng Chengkui Building B206
	12:00	Welcome reception	Organizing committee	
	14:00	Jimei Study Village and Turtle Park	Jinjing Luo Minghua Wang	
June 25 TUE	09:00-10:00	Global climate change	Alan Sweedler	CEE Building A239
	10:15-11:15	Group discussion	Sam Shen Jinjing Luo	CEE Building A239
	14:30-16:45	Global Climate Change and Vulnerability of Mangrove Ecosystem	Yinhui Zhang	CEE Building A239
June 26 WED	09:00-10:00	Quantitative Assessment and Prediction of Climate Change	Sam Shen	CEE Building A239
	10:15-11:30	Environmental behaviour and toxicological effects of organotin compounds in the coastal environment	Xinhong Wang	CEE Building A239
	14:30-16:45	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo	CEE Building A239
June 27 THU	08:00-14:00	Jiulongjiang Estuary Mangrove Reserve	Jinjing Luo Changyi Lu	
June 28 FRI	9:00-11:15	Paleoclimate records and abrupt climate change	Chun-Ta Lai	CEE Building A239
	14:30-15:30	Impact on Infectious Diseases Ecosystems	Stanley Maloy	CEE Building A239
	15:45-16:45	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo	CEE Building A239
July 1	09:00-10:30	Ecological and physiological responses of primary producers to ocean acidification	Kunshan Gao	CEE Building A239



Date	Time	Program	Chair or Lecturer	Venue
MON	10:45-11:15	Group discussion	Jinjing Luo Sam Shen Chun-Ta Lai	CEE Building A239
	14:30-15:30	Biological response and feedback in a warming climate: vulnerability of the Arctic ecosystem	Chun-Ta Lai	CEE Building A239
	15:45-16:45	Group discussion	Chun-Ta Lai Sam Shen Jinjing Luo	CEE Building A239
July 2 TUE	09:00-11:15	Quantitative Assessment and Prediction of Climate Change	Sam Shen	CEE Building A239
	14:30-16:45	Group discussion	Chun-Ta Lai Sam Shen Jinjing Luo	CEE Building A239
July 3 WED	09:00-11:15	Health and Environment: Experience of Japan & Aral Sea (Kazakhstan/ Uzbekistan)	Chiba Momoko	CEE Building A239
	14:30-16:45	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo	CEE Building A239
July 4 THU	09:00-17:00	Field trip to National Geologic Park of Strand and Volcano of Zhangzhou	Jinjing Luo	
July 5 FRI	09:00-11:30	Student presentation	Jinjing Luo Sam Shen Chun-Ta Lai	CEE Building A239
	14:30-17:30	Student presentation Conclusion meeting	Jinjing Luo Sam Shen Chun-Ta Lai	CEE Building A239
	18:30	Closing ceremony and Farewell party	Organizing committee	



Teaching Faculty

No.	Name	Title	Affiliation	Email
1	Alan Sweedler	Professor	Department of Physics, San Diego State University, USA	asweedle@sciences.sdsu.edu
2	Chiba Momoko	Professor	School of medicine, Juntendo University, Japan	mmchiba@juntendo.ac.jp
3	Jinjing Luo	Associate professor	College of the Environment and Ecology, Xiamen University	luojj27@xmu.edu.cn
4	Junda Lai	Associate professor	San Diego State University, USA	chun-ta.lai@mail.sdsu.edu
5	Kunshan Gao	Professor	State Key Laboratory of Marine Environmental Science, Xiamen University	ksgao@xmu.edu.cn
6	Samuel Shen	Professor	Department of Mathematics and Statistics, San Diego State University, USA	shen@math.sdsu.edu
7	Stanley Maloy	Professor	College of Sciences, San Diego State University, USA	smaloy@sciences.sdsu.edu
8	Xinhong Wang	Professor	State Key Laboratory of Marine Environmental Science, Xiamen University	xhwang@xmu.edu.cn
9	Yihui Zhang	Associate professor	College of the Environment and Ecology, Xiamen University	zyh@xmu.edu.cn



Student Contact List

No.	Name	Major	E-mail	Phone
1	Adam Taylor	Ecology	upandadam@gmail.com	
2	Andrew Miller	Applied Mathematics	miller222111@gmail.com	
3	Carina Mueller	Statistics	cmueller@rohan.sdsu.edu	
4	Chen Tong	Marine Biology	563148367@qq.com	18850205892
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7	Duan Ying	Environmental Science	1049307899@qq.com	15980951160
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10	Jordan Hilbert	Mathematics	hilbert.jrh@gmail.com	
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12	Karl Michaelis	Statistics	daniel.michaelis@uni-ulm.de	
13	Kevin Hoang	Biology	k_hoang@live.com	
14	Liang Qianyun	Marine Biology	1055492042@qq.com	18060977815
15	Liu Yi	Environmental Science	1967945174@qq.com	18850322816
16	Nathaniel Fitzgerald	Applied Mathematics	neaf84@hotmail.com	
17	Reman Sami	Biochemistry	reman.sami@gmail.com	



No.	Name	Major	E-mail	Phone
18	Ryan Danielson	Hydrogeology	rydan418@gmail.com	
19	Shang Huibin	Environmental Science	Shanghb2010@qq.com	18046310950
20	Sun Yuhan	Environmental Science	449163069@qq.com	18850206715
21	Wang Yi (Abby)	Environmental Science	Abbywang228@gmail.com	18850208380
22	Wang Yi (Catherine)	Marine Chemistry & Geochemistry	wangyi052095@163.com	15959647681
23	Yan Jia	Marine biotechnology	619569894@qq.com	18850205651
24	Yu Chenmin	Physical Oceanography	Lewisycm1993@gmail.com	15359431541
25	Zhang Bin	Environmental science	18760362199@163.com	18030179066
26	Zhao Mengke	Marine Chemistry	aihuakeke@qq.com	18850202700

SDSU - XMU Students Pair List

Group No.	SDSU Students	XMU Students
1	Ryan Danielson	Wang Yi (Catherine)
2	Nathaniel Fitzgerald	Wang Yi (Abby)
3	Jordan Hilbert	Shang Huibin
4	Kevin Hoang	Zhao Mengke
5	Karl Michaelis	Chen Yanfang & Chen Weixiao
6	Andrew Miller	Liang Qianyun
7	Carina Mueller	Jia Yan & Duan Ying
8	Joshua Rambo	Liu Yi
9	Erica Ramos	Chen Tong & Yu Chenmin
10	Reman Sami	Emeli Moala & Sun Yuhan
11	Adam Taylor	Zhangbin

Important Information for Participants

1. Registration

Date: June 23, 2013 (Sunday)

Time: 15:00-17:00

Venue: CEE cafe, CEE Building, Xiang'an Campus, Xiamen University
South Xiang'an Road, Xiang'an District, Xiamen, China, 361102
(厦门市翔安区翔安南路厦门大学环境与生态学院咖啡厅)

- You will collect your T-Shirt, name badge and e-card.
- An electronic version of handbook will be used for environmental protection.
- Please wear your badge all the time.
- A bus will pick you all up outside the Jingfeng Canteen at 8:00a.m. on 24th June to Siming Campus (Main Campus) for campus tour and the opening ceremony.
- Please wear the T-Shirt for the opening ceremony.
- Please return your e-card before you leave Xiamen.

2. Accommodation:

All SDSU participants will stay in the Faculty Apartment on Xiang'an Campus, Xiamen University.

- Every participant will own a single room.
- Please bring along your room key card all the time. For any loss or damage, participants will be required to pay the cost for replacement.
- Everything is available in the room except the internet access, washing machine and TV set.

3. Meals

- SDSU participants will be given with XMU e-cards, which can be used in student cafeteria and supermarket on the campus of Xiamen University.
- 500 Yuan RMB will be deposited to students' e-card, which is NOT refundable.
- Cash is not acceptable in most cafeterias on campus except on the 3rd floor of Jingfeng Canteen(竞丰餐厅).
- Dining on campus: there is only one cafeteria on the campus, Jingfeng Canteen with a small Muslim Canteen on the 2nd floor.
- Dining off campus: several restaurants can be found opposite to the South Gate.

4. Internet access:

- Participants are suggested to bring your own computer for course exercise.

- Wireless internet is accessible in the classroom (Username: A239, Password: A239) and CEE cafe in CEE Building (Username: cee, No password).
- Course materials and photos will be uploaded and shared in the FTP.
Address: <ftp://210.34.218.48>
Username: 2013summerschool Password: 2013summerschool

5. Photocopy

- Participants can use the copying machine at A209 to photocopy.

6. Library

- Online service: library resources can be accessed at <http://library.xmu.edu.cn>

7. Shops & supermarkets

- On campus: Hongrunfu Supermarket (鸿润福超市)

8. Electricity

- The standard domestic power supply in China is 220 V AC at 50 Hz. The standard sockets are two parallel lines and three lines as shown on the right photo



9. Insurance

- No responsibility can be assured for any kind of personal accidents, sickness, theft, or property damage suffered by conference participants. Participants are advised to arrange whatever insurance they consider it necessary.

10. Weather

- Xiamen is a subtropical coastal city. The temperature in July is between 25-35°C, with an average of 28°C. The averaged precipitation in July is about 187 mm. You are recommended to have summer dress and bring umbrella with you.
- Xiamen weather Forecast:
<http://www.weather-forecast.com/locations/Xiamen/forecasts/latest>

11. Useful Numbers:

- Telephone country code: +86
- Telephone area code: 592
- Police: 110
- Fire Department: 119
- Ambulance: 120
- Local directory assistance: 114, 12580 (service in Chinese only)
- Xiamen University Hospital (厦大医院): 2186203
- Xiamen No.1 Hospital (第一医院): 2137327
- Xiamen Hospital of T.C.M (中医院): 5579686

Transportation

Taxi

Taxis can be hailed down with ease, except for the rush hour 17:00 to 18:00. The taxi fare charge in Xiamen is 8 RMB (9.6 RMB during the time 11 pm to 5 am) for the first 3 km and 2 RMB per km thereafter. Fares are subject to 2 RMB gas surcharge each journey.

Public Bus

Several public transport routes are available within the city. You can take No. 751 Bus outside the school gate from Xiang'an Campus to Siming Campus (Main Campus). A fare of 2 RMB must be entered into a box on entry, therefore, change is required. The city buses are equipped with air conditions.

More information about Xiamen public transportation

- **Visit TD Wireless City (in Chinese):**
<http://www.xiamentd.com/app/mybus/>
- **Visit the site from your mobile phone:**
wap.xiamentd.com
- **Download the app "MyBus"**
<http://mybus.xiamentd.com/include/downloadResult.jsp>.