



Summer School on Global Climate Change and Vulnerabilities

June 22- July 3, 2015

Xiamen • China

Contents

About the Summer School	1
Lecture Schedule	3
Teaching Faculty	6
Student Contact List	7
SDSU -TAIWAN-XMU Students Pair List	9
Important Information for Participants	10
Transportation	12



About the Summer School

The Summer School on “Global Climate Change and Vulnerabilities” is jointly organized by Xiamen University (XMU), San Diego State University (SDSU), Fujian Normal University and Taiwan Ilan University. The Summer School is designed especially for university undergraduate students.

Based on the first MoU, College of the Environment and Ecology, Xiamen University, renewed an agreement with College of Sciences, San Diego State University in Oct. 2013, on cooperation of the academic exchange and student summer research school program. This summer school will be the fourth experience between two institutes. About forty undergraduate students from Xiamen, Fuzhou, the USA and Taiwan will be recruited for this year. We will provide participants with quality learning, key concepts and current update in various aspects of environmental science. We are looking forward to your joining this summer.

Date: 22 June- 3 July, 2015

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

Language: English

Sponsors:

Xiamen University, China

Organizing committee:

Xiamen University: Dazhi Wang, Jinjing Luo

San Diego State University: Samuel Shen, Chun-Ta Lai

Taiwan Ilan University: Chin-Jung Lin

Lecturer Topics:

- Global climate change
- Quantitative assessment and prediction of climate change
- Environmental proxies for paleoclimate reconstruction, paleoclimate records and abrupt climate change
- Effects of ocean acidification on marine primary producers under the sun
- Mangroves as an index to study environmental vulnerability for coastal wetland ecosystem
- Contamination of organotin compounds in coastal environments
- Nitrogen fixation in the oceans
- The control strategies of global warming gases in semiconductor plant

Field studies:

Fieldtrips to National Geologic Park of Strand and Volcano of Zhangzhou and Xiamen Wanshi Botanical Park will be organized.



Cultural studies:

Cultural & social events will be organized during the summer school.

Target Group:

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



Lecture Schedule

Date	Time	Program	Chair or Lecturer	Venue
June 21 SUN	10:00-11:00	On-site Registration & Hotel Check-in	Carrie Lee	Lobby of CEE Bldg. B
June 22 MON	09:00-09:30	Group division & meeting of group members	Sam Shen Chun-Ta Lai Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
	09:30-10:30	Global climate change	Alan Sweedler	CEE Bldg. A239
	10:45-11:30	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
	14:30-16:45	Effects of ocean acidification on marine primary producers under the sun	Kunshan Gao	CEE Bldg. A239
June 23 TUE	09:00-10:00	Climate data analysis and climate change uncertainty quantification, part I	Sam Shen	CEE Bldg. A239
	10:15-11:15	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
	14:30-16:45	Mangroves as an index to study environmental vulnerability for coastal wetland ecosystem	Yihui Zhang	CEE Bldg. A239
June 24 WED	09:00-10:00	CEE lab tour	Qiaoguo Tan	Gather at Lobby of CEE Bldg. B
	10:30-11:30	Opening ceremony and group photo	Jinjing Luo	CEE Bldg. A239
	12:00	Welcome reception	Organizing committee	Jingfeng Canteen
	13:30	Jimei Study Village and Turtle Park	Qiaoguo Tan	Gather at Lobby of CEE Bldg. B



Date	Time	Program	Chair or Lecturer	Venue
June 25 THU	09:00-11:15	Biological response and feedback in a warming climate: vulnerability of the Arctic ecosystem	Chun-Ta Lai	CEE Bldg. A239
	14:30-15:30	Nitrogen fixation in the oceans	Yawei Luo	CEE Bldg. A239
	15:45-16:45	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
June 26 FRI	09:00-17:00	Field trip to National Geologic Park of Strand and Volcano of Zhangzhou	Jinjing Luo Qiaoguo Tan Shu-ji Gao	Gather at Lobby of CEE Bldg. B
June 29 MON	09:00-10:30	Contamination of organotin compounds in the coastal environments	Xinhong Wang	CEE Bldg. A239
	10:45-11:15	Group discussion	Jinjing Luo Qiaoguo Tan Sam Shen Chun-Ta Lai	CEE Bldg. A239
	14:30-15:30	Climate data analysis and climate change uncertainty quantification, part II	Sam Shen	CEE Bldg. A239
	15:45-16:45	Group discussion	Chun-Ta Lai Sam Shen Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
June 30 TUE	09:00-11:15	The control strategies of global warming gases in semiconductor plant	Chang-Tang Chang	CEE Bldg. A239
	14:30-16:45	Group discussion	Chun-Ta Lai Sam Shen Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
July 1 WED	09:00-11:15	Paleoclimate records and abrupt climate change	Chun-Ta Lai	CEE Bldg. A239
	14:30-16:45	Group discussion	Sam Shen Chun-Ta Lai Jinjing Luo	CEE Bldg. A239



Date	Time	Program	Chair or Lecturer	Venue
July 2 THU	09:00-12:00	Field trip to Wanshi Botanical Garden in Xiamen	Shengchang Yang Jinjing Luo Qiaoguo Tan	Gather at Lobby of CEE Bldg. B
July 3 FRI	09:00-11:30	Student presentation	Sam Shen Chun-Ta Lai Jinjing Luo Qiaoguo Tan	CEE Bldg. A239
	14:30-17:30	Student presentation Conclusion meeting	Jinjing Luo Sam Shen Chun-Ta Lai	CEE Bldg. A239
	18:30	Culture night and Farewell party *	Organizing committee	CEE café

*Note: As for the culture night, all SDSU students should prepare one PPT file to introduce the customs and traditions of your country or hometown to share with all participants from “Lingfeng Summer Research School”.



Teaching Faculty

No.	Name	Title	Affiliation	Email
1	Alan Sweedler	Professor	Department of Physics, San Diego State University, USA	asweedle@sciences.sdsu.edu
2	Chang-Tang Chang	Professor	Department of Environmental Engineering, National Ilan University, Taiwan	ctchang@niu.edu.tw
3	Chun-Ta Lai	Associate professor	San Diego State University, USA	chun-ta.lai@mail.sdsu.edu
4	Jinjing Luo	Associate professor	College of the Environment and Ecology, Xiamen University	luojj27@xmu.edu.cn
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	Shengchang Yang	Associate professor	College of the Environment and Ecology, Xiamen University	scyang@xmu.edu.cn
8	Shu-ji Gao	Professor	State Key Laboratory of Marine Environmental Science, Xiamen University	sjkao@xmu.edu.cn
9	Qiaoguo Tan	Associate professor	College of the Environment and Ecology, Xiamen University	tanqg@xmu.edu.cn
10	Xinhong Wang	Professor	College of the Environment and Ecology, Xiamen University	xhwang@xmu.edu.cn
11	Ya-Wei Luo	Associate Professor	State Key Laboratory of Marine Environmental Science, Xiamen University	ywluo@xmu.edu.cn
12	Yihui Zhang	Associate professor	College of the Environment and Ecology, Xiamen University	zyh@xmu.edu.cn



Student Contact List

No.	Name	Major	Affiliation	Email
1	Camille Paderes Cuyugan	Sustainability	San Diego State University	ccuyugan@gmail.com
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4	Clarins Cecilia	Political Science	San Diego State University	clarinscecilia1@yahoo.com
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7	Haochen Zhang	Environmental Science	Xiamen University	382003731@qq.com
8	Haonan Li	Environmental Science	Xiamen University	1084136405@qq.com
9	Holly Tiongson Santos	Foods and Nutrition	San Diego State University	hollytsantos@yahoo.com
10	Jia-Yin Lin	Environmental Engineering	Taiwan Ilan University	jerrica1119@gmail.com
11	Jia-Ying Wu	Environmental Engineering	Taiwan Ilan University	steve123499701@yahoo.com.tw
12	Jingyu Zhang	Geographical Science(National Base)	Fujian Normal University	anda_zjy@163.com
13	Jinyao Wang	Environmental Science	Xiamen University	1010410810@qq.com
14	Juqiu Huang	Environmental Science	Xiamen University	121397608@qq.com
15	Kateri Mae Wojcik	Environmental Science	San Diego State University	kmwojcik@cox.net
16	Mengchen Zheng	Environmental Science	Xiamen University	1173773619@qq.com
17	Mengke Pei	Ecology	Xiamen University	401407165@qq.com



No.	Name	Major	Affiliation	Email
18	Patricia Caldera	sustainability	San Diego State University	patty_n_2002@yahoo.com
19	Phevee Paderes	Environmental Science	San Diego State University	pgpaderes@yahoo.com
20	Ryan A Vinluan	Sustainability	San Diego State University	ryan_a_vinluan@hotmail.com
21	Shane Scott Wells	Chemistry	San Diego State University	shane_wells44@yahoo.com
22	Sheng-Kai Huang	Environmental Engineering	Taiwan Ilan University	c29453671@gmail.com
23	Tiantian Qu	Geographical Science(National Base)	Fujian Normal University	980792375@qq.com
24	Vannesa Alexandria Salazar	Sustainability	San Diego State University	vannesalazar94@gmail.com
25	Wangting Ye	Geographical Science(National Base)	Fujian Normal University	wentinyeah@gmail.com
26	Wei-Zhi Tang	Environmental Engineering	Taiwan Ilan University	shiluphy@gmail.com
27	Xinyue Zhao	Environment Science	Xiamen University	676381516@qq.com
28	Ya Wang	Environmental Science	Xiamen University	2896502309@qq.com
29	Yicheng Wang	Ecology	Xiamen University	648934014@qq.com
30	Ying Li	Environmental Science	Xiamen University	421902177@qq.com
31	Zachary Arcio	Sustainability	San Diego State University	zachyo808@yahoo.com
32	Zhen Li	Environmental Science	Xiamen University	283229057@qq.com
33	Zi-Ting Luo	Environmental Engineering	Taiwan Ilan University	good60828w56@gmail.com
34	Zong-Bo Ye	Environmental Engineering	Taiwan Ilan University	jerry810809@gmail.com



SDSU - XMU Students Pair List

Group No.	SDSU Students	Taiwan/NFU Students	XMU Students
1	Phevee Paderes	Zi-Ting Luo	Haochen Zhang
2	Camille Paderes Cuyugan	Sheng-Kai Huang	Juqiu Huang
3	Holly Tiongson Santos	Jia-Yin Lin	Jinyao Wang
4	Shane Scott Wells	Jia-Ying Wu	Ya Wang
5	Clarins Cecilia	Zong-Bo Ye	Haonan Li
6	Vannesa Alexandria Salazar	Wei-Zhi Tang	Ying Li
7	Kateri Mae Wojcik	Chen-Yi Zhou	Zhen Li
8	Eddie Daniel Garcia	Tiantian Qu	Mengchen Zheng
9	Zachary Arcio	Jingyu Zhang	Chenhao Lin
10	Ryan A Vinluan	Wangting Ye	Mengke Pei
11	Cora Bercasio		Yicheng Wang
12	Patricia Caldera		Xinyue Zhao



Important Information for Participants

1. Registration

Date: June 21, 2015 (Sunday)

Time: 10:00-11:00am

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.
- Please wear the T-Shirt for the opening ceremony on 24th June.
- **PLEASE RETURN YOUR E-CARD BEFORE YOU LEAVE XIAMEN.**
- **PLEASE DON'T DRINK OR EAT IN THE CLASSROOM, EXCEPT WATER.**

2. Accommodation:

All SDSU & Taiwan & FNU participants will stay in the Student Apartment, Guoguang Building 8-9, on Xiang'an Campus, Xiamen University.

- Two participants will share one room with two beds.
- 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.
- The bedding s and the cable internet access are available in the room except the telephone, washing machine and TV set.
- WIFI is available in the living room.

3. Meals

- SDSU & Taiwan & FNU participants will be given with XMU e-cards, which is NOT refundable and can be used in CEE Café, student cafeteria and supermarket on the campus of Xiamen University.
- 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 two cafeterias on the campus, Fengting Canteen & Jingfeng Canteen with a small Muslim Canteen (清真食堂) 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 **laptop** for course exercise.
- Wireless internet is accessible in the classroom (Username: A239-1 & A239-2, No Password) and CEE cafe in CEE Building (Username: cee café, Password:88888888).



5. Photocopy

- Participants can use the copying machine at A212 to photocopy. Please ask for the account and password from Carrie Lee at A208.

6. Library

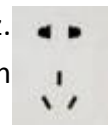
- Online service: library resources can be accessed at <http://library.xmu.edu.cn>
- All summer school participants can enter XMU Library at Xiang'an Campus by E-card, for data information but not for the borrowing and lending.

7. Shops & supermarkets

- On campus: Hongrunfu Supermarket (鸿润福超市)
- Off campus: Meijiayuan Supermarket(美佳缘超市)

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 average 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 Clinic(校医务室): 2886120
- Xiamen Lianhua Hospital (厦门莲花医院): 3757777
- 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.

Here is a tip for you to show the taxi driver, and our volunteer (Qiang Chen, phone number 18059898514) will wait for you at the school gate and guide you to the student apartment.

Hello! Please take me to the West School Gate of Xiang'an Campus, Xiamen University. Thank you so much. (你好!请带我到厦门大学翔安校区西侧门。谢谢!)

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>.