

# 2017 Summer School of CUIT

## Activity Arrangement

### 1. Theme

International Perspective, Pursuing Excellence, Inheritance and Innovation

### 2. Organizations

(1) Sponsor: Teaching Affairs Office, International Office

(2) Organizer: Publicity Office, Communist Youth League Committee, School of Atmospheric Science, School of Electronic Engineering, School of Communication Engineering, School of Optoelectronic Technology, School of Software Engineering, School of Resource and Environment, School of Computer Science, School of Logistics, School of Control Engineering, School of Foreign Languages, School of Cybersecurity, School of Business, School of Statistics, School of Management, School of Culture and Arts

### 3. Activity Schedule

**Activity One:** Opening Ceremony July 12

Time: 9:00-9:40

Venue: International Conference Hall

**Activity Two:** Experts Forum July 12

Time: 10:00-11:00

Venue: International Conference Hall

#### **Activity Three:**

Culture Communication I --- Artistic Performance July 14

Time: 19:00-20:30

Venue: International Conference Hall

Culture Communication II ---Culture Lecture July 13-16

Time: 19:00-20:30

Venue: To be arranged by Schools

Culture Communication III ---Chinese Traditional Culture July 13-16

Time: 19:00-20:30

Venue: To be arranged by Schools

**Activity Four:** Academic Courses July 12 - July 18

**Activity Five:** Academic Lectures July 12 - July 18

**Activity Six:** Graduation Ceremony (Date different among schools)

## **Activity 1: Opening Ceremony**

**1. Time:** July 12, 2017 9:00 to 11:00

**2. Venue:** International Conference Hall

**3. Host:** Gai Qiuyan

**4. Participants:**

Vice President He Jianxin

Directors of Academic Affairs Office, International Office, Publicity Office, Student Affairs Office, CUIT League Committee and Schools

Foreign Experts

260 student representatives

**5. Agenda**

**First Part --- Launching Ceremony 9: 00-9: 50**

(1) 9:00-9:10 Short Video about CUIT

(2) 9:10-9:15 Address speech and announce the opening of 2017 Summer School of CUIT by He Jianxin

(3) 9:15-9:35 To award letters of appointment for invited professors

(4) 9:35-9:40 Foreign Expert Shaw-Hwa Lo delivers speech

(5) Student representative Zou Rui gives speech

(6) Group photo

**Second Part --- Experts Forum 10 00-11 00**

(1) Keynote Speech by Martin Pusch on *Use of the River Ecosystem Services Approach for an Integrative Management of Water Resources and Biodiversity* 10 00-10 30

(2) Keynote Speech by Bruce Gentry on *The Cultural Importance of American Sport* 10 30-11 00

## **Activity 2: Culture Communication I**

### **1. Time and Venue**

- (1) Time: July 14, 2017 19:00-21:00
- (2) Venue: International Conference Hall

### **2. Name**

Chinese and Foreign Cultures Artistic Performance

### **3. Content**

- (1) Propaganda films on Chengdu and CUIT
- (2) Sichuan Opera of Changing face
- (3) Chorus Performance

### **4. Organization**

- (1) Sponsors: CUIT League Committee
- (2) Organizers: Schools of CUIT

### **5. Participants**

Directors of Teaching Affairs Office, International Office, CUIT League Committee, Director of Schools, Foreign Experts, Student Representatives

# **Culture Communication II**

## **1. Time and Venue**

(1) Time: July 13-17, 2017 in the Evening

(2) Venue: To be decided by Schools

## **2. Name**

Exchange Forum of Foreign Experts and Students

## **3. Content**

(1) Presentation by Foreign Experts on the culture, education and etc. of their homelands

(2) Exchange Discussion with students

## **4. Organization**

(1) Sponsors: Teaching Affairs Office, International Office

(2) Organizers: Schools of CUIT

## **5. Participants**

Director of Schools, Foreign Experts, Student Representatives

# **Culture Communication III**

## **1. Time and Venue**

(1) Time: July 13-17, 2017 in the Evening

(2) Venue: Refer to the Class Schedule

## **2. Name**

Cultural Experience Class

## **3. Content**

(1) Chinese Language

(2) Tai Chi Class

(3) Paper Cutting Class

## **4. Organization**

(1) Sponsors: Teaching Affairs Office, International Office

(2) Organizers: Schools of CUIT

## **5. Participants**

Foreign Experts, Teachers of CUIT

## Activity 3: Academic Course

**1. Professor:** Marouane Temimi   Rukumesh Paudyal   Mudassar Iqbal

**Classroom:** Meteorological Building 101

**Host:** School of Atmospheric Sciences

Time	Wed. (7.12)	Thur. (7.13)	Fri. (7.14)	Sat. (7.15)	Sun. (7.16)	Mon. (7.17)
1-2	Opening Ceremony	Using remote sensing and geographic information system, accurately forecast the weather process	Using remote sensing and geographic information system, accurately forecast the hydrologic process	Environment change	Climate change and its impact on water resources	
3-4	Opening Ceremony	Using remote sensing and geographic information system, accurately forecast the weather process	Using remote sensing and geographic information system, accurately forecast the hydrologic process	Environment change	Climate change and its impact on water resources	
5-6	Remote sensing and geographic information system			The impact of human activities on climate and environment change	The GIS applications in water resources research	
7-8	Remote sensing and geographic information system					
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)

**2. Professor:** RYAN GOOCH

**Classroom:** Atmospheric Sounding Building 215

**Host:** School of Electronic Engineering

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>
1-2	Opening Ceremony	The time domain representation of continuous and discrete system	The time domain representation of continuous and discrete system	Convolution, Laplace transform and z-transform	Modulation, filtering and sampling and its application; The state space representation	
3-4	Opening Ceremony	The time domain representation of continuous and discrete system	The time domain representation of continuous and discrete system	Convolution, Laplace transform and z-transform	Modulation, filtering and sampling and its application; The state space representation	
5-6						
7-8						
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)



**3. Professor:** Amir Homayoon Ashrafzadeh Piyush Maheshwari

**Classroom:** Hangkonggang Classroom 6308

**Host:** School of Computer Science

Time	Wed. (7.12)	Thur. (7.13)	Fri. (7.14)	Sat. (7.15)	Sun. (7.16)	Mon. (7.17)
1-2	Opening Ceremony	An overview of Cloud computing	E-mail communication cooperation	The online program	Modulation, filtering and sampling and its application; The state space representation	
3-4	Opening Ceremony	An overview of Cloud computing	E-mail communication cooperation	The online program	Modulation, filtering and sampling and its application; The state space representation	
5-6	Java object-oriented concepts	Java exception, collections, and generic	Java file, database, unit testing, debugging, testing and refactoring	Java design patterns with JEE review	Review of software engineering model and the difference between different process	Introduction of the process tool in software engineering
7-8	Java object-oriented concepts	Java exception, collections, and generic	Java file, database, unit testing, debugging, testing and refactoring	Java design patterns with JEE review	Review of software engineering model and the difference between different process	Introduction of the process tool in software engineering
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)

**4. Professor: Wang Tao Shaw-Hwa Lo**

**Classroom: Hangkonggang 6408/1106**

**Host: School of Software Engineering**

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>	<b>Tue. (7.18)</b>
1-2	Opening Ceremony						
3-4	Opening Ceremony	High altitude complex data processing method (1106)		Statistical method of big data in the application of the meteorological information system (1106)		The modeling and simulation IV (6408)	The modeling and simulation V (6408)
5-6	The modeling and simulation I (6408)	The modeling and simulation II (6408)	The modeling and simulation III (6408)	Statistical method of big data in the application of the meteorological information system (1106)		Patients with medical engineering development and demand forecasting (1106)	
7-8	The modeling and simulation I (6408)	The modeling and simulation II (6408)	The modeling and simulation III (6408)	Statistical method of big data in the application of the meteorological information system (1106)			
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)	

**5. Professor:** Theodoros Kreouzis

**Classroom:** Hangkonggang 5106

**Host:** School of Optoelectronic Technology

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>	<b>Tue. (7.18)</b>
1-2	Opening Ceremony	Summary of organic electronics	Quantum mechanics tunnel effect; Thermal activation	Organic light-emitting diodes	Organic field effect transistor	Organic semiconductor	Time of flight (ToF) and dark injection (DI) of the experimental determination of the instantaneous current
3-4	Opening Ceremony	The carrier from the domain and the optical absorption; Molecular energy levels	Flow field and temperature dependence	Organic photovoltaic devices	Linear and saturation field current	Organic semiconductor	Time of flight (ToF) and dark injection (DI) of the experimental determination of the instantaneous current
5-6							
7-8							
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)	



**7. Professor:** Hamedi-Hagh

**Classroom:** Hangkonggang 4202

**Host:** School of Communication Engineering

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>
1-2	Opening Ceremony	Principles of KCL/KVL	Principles of KCL/KVL	Introduction of KCL/KVL Alternatives	Principles of KCL/KVL Alternatives	Introduction of American Electronic Engineering Course
3-4	Opening Ceremony	Principles of KCL/KVL	Principles of KCL/KVL	Introduction of KCL/KVL Alternatives	Principles of KCL/KVL Alternatives	
5-6		Survey of Microelectronics Development in Silicon Valley	Analog Integrated Circuit Design I	Analog Integrated Circuit Design II	Survey of scientific research and teaching in American Universities	
7-8		Survey of Microelectronics Development in Silicon Valley	Analog Integrated Circuit Design I	Analog Integrated Circuit Design II		
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)

**8. Professor:** Ceser Sanin

**Classroom:** Hangkonggang 6607

**Host:** School of Cybersecurity

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>
1-2	Opening Ceremony					
3-4	Opening Ceremony	Conditional Control Statements and Loop Control	Knowledge Representation Based on Experience	Array	Decision Genes and Applications	File
5-6	Introduction to computer programming	Function and Input Parameter	Method and Output Parameter	Object-Oriented Programming	Abnormity	Recursion
7-8						
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)



**10. Professor:** Jason Huynh

**Classroom:** Longquan L2202

**Host:** School of Logistics

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>	<b>Tue. (7.18)</b>
1-2	Opening Ceremony	Thinking like an economist	Interdependence and the gains	The market forces of supply and demand	Elasticity and its application	Supply demand and government policies	Consumers producers and the efficiency of markets
3-4	Opening Ceremony	How to study English	Topic Debate	Topic Debate Presentation skills marketing	Presentation skills (marketing)	English spoken tests (practice)	English spoken tests (practice) 3 sessions Western games and songs 4 sessions
5-6	Ten principles of economics		Western games and songs	Western games and songs/cultural differences	Australia and China: surprises and Habits		
7-8					Australia and China: surprises and Habits		
9-10		Culture Communication Chinese Language (Longquan Campus)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)	



**11. Professor:** Clare

**Classroom:** Longquan 2203

**Host:** School of Business

Time	Wed. (7.12)	Thur. (7.13)	Fri. (7.14)	Sat. (7.15)	Sun. (7.16)	Mon. (7.17)
1-2	Opening Ceremony	Session 2 - Marginal Costing and CVP analysis Materials	Session 4 - Sales, Labour and Materials Budgets	Session 5 Standard Costing and Variance Analysis <sup>59</sup>	Session 6 - Standard Costing and Variance Analysis	
3-4	Opening Ceremony	Session 2 - Marginal Costing and CVP analysis Materials	Session 4 - Sales, Labour and Materials Budgets	Session 5 Standard Costing and Variance Analysis <sup>59</sup>	Session 7 Long-term Investment Decision Making	Session 8 Summary and Revision
5-6	Session 1 - Cost Classification and Cost Behaviour Materials	Session 3 - Planning and the Budgeting Process, Cash Budgets		Session 6 - Standard Costing and Variance Analysis	Session 7 Long-term Investment Decision Making	
7-8	Session 1 - Cost Classification and Cost Behaviour Materials	Session 3 - Planning and the Budgeting Process, Cash Budgets				
9-10		Culture Communication Chinese Language (Longquan Campus)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)

**12. Professor:** Ronghua Pan

**Classroom:** Hangkonggang Classroom 1108

**Host:** School of Applied Mathematics

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>	<b>Tue. (7.18)</b>
1-2	Opening Ceremony			A brief introduction to hyperbolic conservation laws	The local theory of hyperbolic conservation laws	The global theory of hyperbolic conservation laws	Compressible Euler equations
3-4	Opening Ceremony			A brief introduction to hyperbolic conservation laws	The local theory of hyperbolic conservation laws	The global theory of hyperbolic conservation laws	Compressible Euler equations
5-6							
7-8							
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)	

**13. Professor:** Chad Sinclair

**Classroom:** Longquan L2201

**Host:** School of Statistics

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>
1-2	Opening Ceremony	- Supply and demand - Economic scalability	- Price system -The failure of external market			
3-4	Opening Ceremony	- Supply and demand - Economic scalability	- Price system -The failure of external market			
5-6	- What is the economy? -The sphere of economy	Analysis of the current economic situation	-The structure of market -Opportunities and expenses			
7-8	- What is the economy? -The sphere of economy	Analysis of the current economic situation	-The structure of market -Opportunities and expenses			
9-10		Culture Communication Chinese Language (Longquan Campus)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)

**14. Professor:** Jeffrey Soar

**Classroom:** Longquan L1213

**Host:** School of Management

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>	<b>Mon. (7.17)</b>
1-2	Opening Ceremony	Introduction - An Overview of Business Analysis	Domain Modeling	Interfaces	Databases, Controls and Security	Health and aged care transformed through technology
3-4	Opening Ceremony	Investigating System Requirements - elicitation	Extending Models	Systems Development	Making the System Operational	Health and aged care transformed through technology
5-6		Use Cases	Systems design	Project Planning and Project Management	Current Trends in Systems Development	
7-8						
9-10		Culture Communication Chinese Language (Longquan Campus)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)	Culture Communication Chinese Language (Longquan Campus)

**15. Professor:** Martin Pusch    Markus Koeck

**Classroom:** Resources and Environment building 221

**Host:** School of Resources and Environment

<b>Time</b>	<b>Wed. (7.12)</b>	<b>Thur. (7.13)</b>	<b>Fri. (7.14)</b>	<b>Sat. (7.15)</b>	<b>Sun. (7.16)</b>
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**16. Professor: Bruce Gentry**

**Classroom:** Hangkonggang 4106

**Host:** School of Foreign Languages

Time	Wed. (7.12)	Thur. (7.13)	Fri. (7.14)	Sat. (7.15)	Sun. (7.16)	Mon. (7.17)	Tue. (7.18)
1-2	Opening Ceremony	Introduction to English idioms	Cross-cultural communication	Ancient literature and cross-cultural communication		The project practice and summary	Super hero, comics and traditional
3-4	Opening Ceremony	Introduction to English idioms	Cross-cultural communication	Ancient literature and cross-cultural communication		The project practice and summary	
5-6			The story of the mount Rushmore	Connotation of American sports culture	The competition of humanity and science and technology in science fiction		
7-8					The competition of humanity and science and technology in science fiction		
9-10		Culture Communication Jingsha Culture (Hangkonggang Classroom 4104)	Chinese and Foreign Culture Artistic Performance (International Conference Hall)	Culture Communication Tai Chi (The gymnasium yoga room)	Culture Communication Chinese Language (Hangkonggang Classroom 4104)	Culture Communication Paper Cutting (Hangkonggang Classroom 4104)	

## **Activity 4: Lectures**

### **Lecture One: Medical Engineering Development and Patients Demand Forecasting**

Speaker: Wang Tao; School of Software Engineering

Time: July 17

Venue: Hangkonggang Campus 1106

### **Lecture Two: Processing Method of High Altitude Complex Data**

Speaker: Shaw-Hwa Lo; School of Software Engineering

Time: July 13

Venue: Hangkonggang Campus 1106

### **Lecture Three: Australia and China: Surprises and Habits**

Speaker: Jason; School of Logistics

Time: July 16

Venue: Longquan Campus L2202

### **Lecture Four: The Knowledge Representation Based on Experience**

Speaker: Dr. Cesar Sanin; School of Cybersecurity

Time: July 14/16

Venue: Hangkonggang Campus 6607

**Lecture Five: Technological Change on Age and Health Care**

Speaker: Jeffrey Soar; School of Management

Time: July 17

Venue: Longquan Campus L1213

**Lecture Six: The Story of the Mount Rushmore**

Speaker: Bruce Gentry; School of Foreign Languages

Time: July 14/15/18

Venue: Hangkonggang Campus 1101

**Lecture Seven: Organic Semiconductor**

Speaker: Theodoros Kreouzis; School of Optoelectronic Technology

Time: July 17

Venue: Hangkonggang Campus 5106



**Lecture Eight: Using the Method of River Ecosystem Services, Integrated Management of Water Resources and Biodiversity**

Speaker: Martin PUSCH; School of Resources and Environment

Time: July 17

Venue: Resource and Environment Building 221

**Lecture**

**Lecture Eleven: Silicon Valley Microelectronics Development/Analog Integrated Circuit Design I/ Analog Integrated Circuit Design II**

Speaker: Hamedi-Hagh; School of Communication Engineering

Time: July 13/14/15

Venue: Hangkonggang Campus 4202

**Lecture Twelve: Analysis of the Current Economic Situation**

Speaker: Chad; School of Statistics

Time: July 13

Venue: Longquan Campus L2201

**Lecture Thirteen: Mobile Cloud Computing**

Speaker: Piyush Maheshwari; School of Computer Science

Time: July 17

Venue: Hangkonggang Campus 6308

**Lecture Fourteen: International Poster Design Form**

Speaker: Riley Vier; School of Culture and Arts

Time: July 14

Venue: Longquan Campus 1509

**Lecture Fifteen: Climate and Environmental Change**

Speaker: Rukumesh Paudyal; School of Atmospheric Sciences

Time: July 15

Venue: Meteorological Building 101

**Lecture Sixteen: Climate Change and Its Effects on Water Cycle**

Speaker: Mudassar Iqbal; School of Atmospheric Sciences

Time: July 16

Venue: Meteorological Building 101