



Summer School Program

August 16 - 26, 2016

National Taiwan University of Science and Technology

Taipei, Taiwan

Patrons

- ✧ International Affair Office
- ✧ College of Engineering
- ✧ College of Electrical Engineering and Computer Science
- ✧ Tokushima University Education Research Center at Taiwan Tech
- ✧ Tokyo Institute of Technology Engineering Office, Taiwan

ABOUT THE SUMMER SCHOOL 2016

The Summer School Program runs for about two weeks. It is not entirely suitable for Graduate students and Bachelor students who are interested in collaborative works with different countries students and would like to strongly participate the globalization learning activities. But besides the following academic facilities provide a serial publication of courses taught in English.

College of Engineering Graduate Institute of Patent College of Electrical Engineering and Computer Science

This course will focus on the cooperative work with different students to resolve engineering problem. The basic purpose is to promote and enhance the intensive theoretical and experimental approach to study of various engineering knowledge. This course will bring by Professors in the field of Physics, Chemistry, Materials Science, Electrical Engineering, Electronics and Computer Science. Thus, this course is also planned to help participants who are involved in the fundamentals and application of the engineering knowledge. In addition, participant will have an opportunity to meet the experts and visit the laboratories.

The Summer School 2016 application is now open. Visiting master and bachelor students may now apply for admission. Preferred topics include Engineering and Science fields; Mechanical Engineering, Materials Science, Civil Engineering, Chemical Engineering and Chemistry, Electrical and Electronic Engineering; Computer Science and Bioengineering, and related topics. All participants must be affiliated with a University and will good at presentation in English.

HP: <http://ntustss2016.weebly.com/>

Studying projects and goals

- Green Energy
- Factories preferred visit: 1. GARMIN 2. TTRI
- History and Culture of Taiwan
- Product design and Presentation skill

Summer School participants will join social events and Taiwanese culture experience.

Summer School fees (**15,000 YEN**) includes visit to traditional Taiwanese village, Intercultural party x 2, Company visits, sightseeing and International house fees.

Venue



Taipei is located in the north of the main island of Taiwan, including the eastern part of the Taipei Basin and neighboring hilly areas. It is surrounded by New Taipei City; to the north and east its hilly areas and the Keelung River valley are bordered by Tamsui, Sanzhi, Jinshan, Wanli, Xizhi, Shiding and Shenkeng in New Taipei City; in the west and south, the Tamsui River and its tributaries, the Xindian River and the Jingmei River, are its borders with Xindian, Zhonghe, Yonghe, Banqiao, Sanchong, Luzhou and Wugu; the most northerly point of the city is a small peak on the south side of Zhuzi Volcano, where Beitou meets Sanzhi and Jinshan; on the city's eastern edge, Nangang borders Xizhi and Shiding,

while at the southern end Wenshan is bordered by Xindian; the most westerly point of the city is a narrow mountain pass at Guandu, with Beitou facing Wugu. The city length is 27.655 kilometers from north to south; the width is 20.754 kilometers from east to west, with a circumference of 216 kilometers and an area of 271.7997 square kilometers.



Taipei is known for its many night markets, the most famous of which is the Shilin Night Market in the Shilin District. The surrounding streets by Shilin Night Market are extremely crowded during the evening, usually opening late afternoon and operating well past midnight. Most night markets feature individual stalls selling a mixture of food, clothing, and consumer goods.

ABOUT NTUST



The National Taiwan University of Science and Technology (NTUST) was established on August 1, 1974, as the first higher education institution of its kind within our nation's technical and vocational education system. By extending this system to the highest level, this new school was intended to meet the need created by our rapid economic and industrial development for highly trained engineers and managers. The main campus, located in Taipei at 43 Keelung Rd., Sec. 4, covers an area of about 10 hectares, while the whole campuses cover up to 44.5 hectares.

NTUST enrolled 5,645 undergraduates and 4,744 graduate students, and employed 414 full-time faculties and about 318 staff members in 2013. The university's 14 departments and 24 graduate programs are divided into the following 7 colleges:

- College of Engineering
- College of Electrical Engineering and Computer Science
- School of Management
- College of Design
- College of Liberal Arts and Social Sciences
- College of Intellectual Property Studies
- Honors College

Schedule

(i) Registration :

Date and Time: Monday , August 15, 12:00 to 18:00

Registration begins at 12:00 Please be prompt.

Place: Department of Materials Science and Engineering (E1-112).

(ii) Opening Ceremony

Date and Time: Tuesday, August 16, 10:00 to 10:20

Place: RB-102

Opening Remarks:

1. Vice President Prof. Duu-Jong Lee
2. Dean of International Affairs Prof. Yu-Chen Ou
3. Prof. Riichi Murakami

(iii) Orientation and Common Activities

1. Common Lecture 1

Date and Time: Tuesday, August 16, 10:30 to 12:00

Place: RB-102

Speaker: Mr. Shen (Garmin Corp.)

Title: “Presentation Skill”

2. Common Lecture 2

Date and Time: Tuesday, August 16, 13:30 to 15:00

Place: RB-102

Speaker: Mr. Usui (Li & Cai International Law Office)

Title: “History and Culture of Taiwan”

3. Common Lecture 3

Date and Time: Tuesday, August 16, 15:30 to 17:00

Place: RB-102

Speaker: Prof. Chou (Taiwan Tech)

Title: “Management Industry of Taiwan”

Schedule: Summer School 2016

Dates	Schedule
8/15	Registration
8/16	Opening Remarks Orientation and Common Activities Welcome Party
8/17	<p style="text-align: center;">Solar cell</p> <ul style="list-style-type: none"> 1. Introduction to Optoelectronic Engineering of Solar Energy 2. Basic Photovoltaic Principles 3. PV Material, Device and Characteristic: Silicon Crystalline & Thin Film Solar Cell etc. 4. PV Measurement Systems: Design and Solar Simulator, Imaging Inspections, etc.
8/18	<p style="text-align: center;">Factories preferred visit</p> <p>GARMIN http://www.garmin.com.tw SINGTEX http://www.ttri.org.tw</p>
8/19	<p style="text-align: center;">History and Culture of Taipei</p> <p>Jiufen, Jinguashi and Shifen</p>
8/20	Programs cum group discussions
8/21	History and Culture of Taiwan
8/22	<p style="text-align: center;">Fuel cell</p> <ul style="list-style-type: none"> 1. Introduction to Fuel Cells 2. Polarization of Fuel Cells 3. PEM fuel cell 4. Other Type of Fuel Cells 5. Design of Fuel Cell Systems
8/23	<p style="text-align: center;">Green energy car</p> <ul style="list-style-type: none"> 1. Introduction to 3D printing technology 2. Topics on Material, Green energy car design, and process integration of 3D printing
8/24	<ul style="list-style-type: none"> 3. Topics on Patent issues of 3D printing 4. Topics on innovations and applications of 3D printing 5. Case Study and Seminars on 3D printing.
8/25	Programs cum group discussions
8/26	Presentation Closing ceremony Graduation Party

How to Get from the Airport to NTUST

Currency:

It is a sound thought to change some currency (about US\$100 worth) for local NT dollars at the airdrome. This manner you will have local currency to pay for your transportation to NTUST and other expenses during your first few days on campus.

Fathering from the Airport to NTUST:

The most direct and least expensive transportation is by one of the airport buses run by the Taiwan Bus Corp. After you exit the immigration and customs area, look for marks that say Airport Bus 機場巴士 These signs will take you to the bus stop area of the terminal, where you can purchase tickets for the jalopy. Buy a ticket for either the Kuokuang Line 國光號 (1819) or the Chunghsin Line 中興號, which have the fewest stops between the airport and Taipei.

There are compartments under the bus, which will be open for you to put your luggage before you get on the bus. Don't forget to bring your baggage when you fetch off the coach!

Stick around along the heap until the last point, which will be about the Taipei Railway Station (台北車站) or the Sungshan Domestic Airport (松山機場) inside Taipei. (It actually is inside the city!) When you fetch off the bus, the driver should open the compartment to let you get out your luggage. If he doesn't, show the driver the following words: 行李 Luggage

In one case you have come off the heap and have picked up your luggage, look for a taxicab. Indicate the driver the address of our school:

國立台灣科技大學 基隆路四段 43 號 National Taiwan University of Science and Technology 43 Keelung Road, Section 4

❖ A comprehensive list of links to information on various cases of transportation within Taipei and all of Taiwan can be ground:

<http://www.chinapost.com.tw/cp/transportation/>





圖例 Legend



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國立臺灣科技大學校區平面配置圖

