



TAIWAN TECH

National Taiwan University of Science and Technology

28 May, 2018

Education System at Taiwan

Doctoral Program (3-7)

Master's Program (2-3)

University &
College (4)

Tech. University &
College (4)

Senior High
School (3)

Sr. Vocational
High School (3)

Junior High School (3)

Elementary School (6)



Facts & Figures

Full-Time Faculty 533

Professor: 200
Associate Professor: 120
Assistant Professor: 95
Instructor: 2
Special Project Faculty: 54
Postdoctoral Fellow: 62

Adjunct Faculty 670

Professor :124
Associate Professor: 112
Assistant Professor: 205
Instructor: 229

Non-Academic Staff 323

Number of Enrolled Students 11,019

Undergraduate Students: 5,740
Graduate Students in Master's Program: 4,255
Graduate Students in Doctoral Program: 1,024

Number of International Students 1,243

Foreign Students: 897
Overseas Chinese Students: 181
Chinese Students: 165

Colleges and Departments

College of Engineering

- Mechanical Engineering
- Materials Science & Engineering
- Civil & Construction Engineering
- Chemical Engineering
- Graduate School of Automation & Control

College of Electrical Eng. & Computer Science

- Electronic & Computer Engineering
- Electrical Engineering
- Computer Science & Information Engineering
- Graduate Institute of Electro-Optical Engineering

School of Management

- Industrial Management
- Business Administration
- Information Management
- MBA
- Graduate Institute of Finance
- Graduate Institute of Technology Management

College of Design

- Design
- Architecture

College of Liberal Arts and Social Sciences

- Applied Foreign Languages
- Humanities & Social Sciences
- Graduate Institute of Digital Learning and Education
- Teacher Education Center

College of Applied Sciences

- Graduate Institute of Applied Science & Technology
- Inter-disciplinary Bachelor's Program
- Graduate Institute of Biomedical Engineering
- Graduate Institute of Color & Illumination Technology
- Graduate Institute of Patent

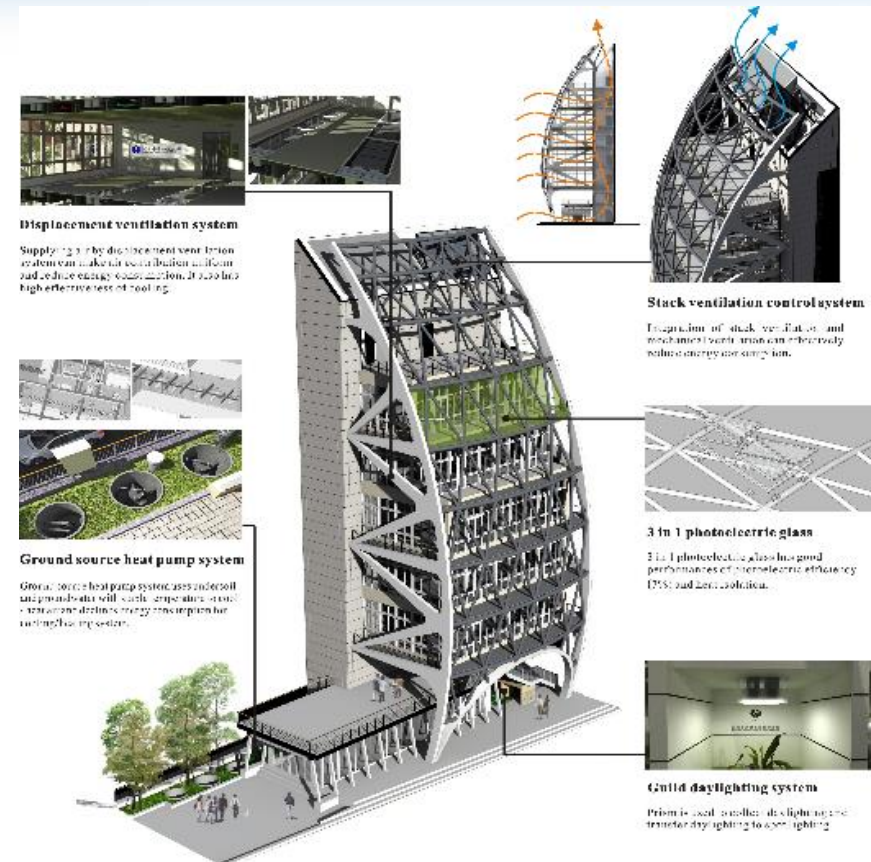
Taiwan Tech Industry 4.0 Implementation Center

- Taiwan Tech inaugurated the “Industry 4.0 Center”, the first automated intelligent production line on a campus of Taiwan.



Taiwan Building Technology Center (TBTC)

- Established in 2007, using special funding granted by the Ministry of Education.
- The TBTC emphasizes on internationalization, collaborative research, to bridge Taiwan Tech with more than 50 European partners.



Participation in EU FP7 & H2020 Projects

ROBOT-DOC Project

- Robotics for Development of Cognition, 2009-2013, 13 partners from 8 countries.

CETIEB Project

- Cost-Effective Tools for Better Indoor Environment in Retrofitted Energy Efficient Buildings, 2011-2014, 13 partners from 6 countries.

SUS-CON Project

- SUSTainable, innovative and energy-efficient CONcrete, based on the integration of all-waste materials, 2012-2015, 14 partners from 10 countries.

NANOCOOL Project

- An Energy Efficient Air Conditioning systems with Temperature and Humidity independent controls based on the combination of a Liquid Desiccants Cycle with an adapted conventional air cooling system, 2012-2016, 10 partners from 6 countries

ECOSHOPPING Project

- Energy efficient & Cost competitive retrofitting solutions for Shopping buildings, 2013-2017, 16 partners from 11 countries

HOLISTEEC Project

- Holistic and Optimized Life-cycle Integrated Support for Energy-Efficient building design and Construction, 2013-2017, 15 partners from 6 countries

DHISGLCB Project

- Development of Heat Insulation Solar Glass for Low Carbon Buildings, 2014-2015, 2 partners from 2 countries





ACHiLiS Project

- Developing highly stable and safe Li₂S/C composite cathodes, 2015-2018, 5 partners from 4 countries

RE4 Project (newly granted)

- REuse and REcycling of CDW materials and structures in energy efficient pREfabricated elements for building REfurbishment and construction, 2016-2020, 13 partners from 8 countries

World Rankings and Honors

- ★ 2017-18 QS World Rankings **No. 264**
- ★ 2017-18 QS World Rankings (Top 50 Under 50) **No. 23**
- ★ 2017 THE Asia Rankings **No. 41**
- ★ Ranked No.1 in iF Design Awards 6 years in a row (2010-2015). 
- ★ Ranked No.2 in Red Dot Design Award for universities in the Asia-Pacific region (2013-2014). 
- ★ The first university of technology in Taiwan to receive AACSB and EQUIS Business School Accreditation.  
- ★ All engineering and computer science departments recognized by the Washington Accord.

Global University Employability Rankings



PROFESSIONAL JOBS SUMMITS RANKINGS ST

Rank 2017	University	Country	Score	Rank 2016	Change	THE World University Ranking 2018
60	KU Leuven	Belgium	363	63	3	47
61	University of New South Wales	Australia	351	64	3	85
62	Hebrew University of Jerusalem	Israel	350	67	5	201-250
63	Kyoto University	Japan	348	65	2	74
64	Frankfurt School of Finance and Management	Germany	346	67	3	n/a
65	National Taiwan University of Science and Technology (Taiwan Tech)	Taiwan	345	73	8	401-500
66						

- The only university from Taiwan in the Top 100 list.
- Only 12 Asia universities are in the Top 100 list.

International Research Cooperation

The Tokyo Institute of Technology Engineering Office in Taiwan

Tokyo Tech Engineering Office in Taiwan is responsible for faculty and student exchange programs and business internships between the two schools, hosts engineering forums between the two schools, and launches university-industry cooperation projects.



Research Centers

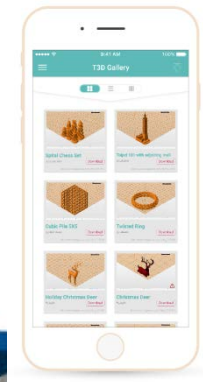
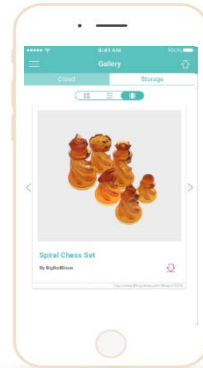
1. Taiwan Building Technology Center
2. The Commatrix : Creative Communication· Design
3. Chemical Mechanical Planarization (CMP) Innovation Center
4. Center for IoT Innovation
5. Automation and Control Center
6. Color, Imaging & Illumination Center
7. Center for Research in Technological and Vocational Education
8. Center for the Study of Lotteries and Commercial Gaming
9. Communication and Electromagnetic Technology Center
10. Construction Occupational Health and Safety Center
11. E-Learning Research Center
12. Ecological and Hazard Mitigation Engineering Research Center
13. Intelligent Robot Center
14. Materials Science Research Center
15. Nanotechnology Engineering Center
16. Opto-Mechatronics Technology Center
17. Power Electronics Technology Center
18. Sustainable Energy Center
19. Taiwan Information Security Center



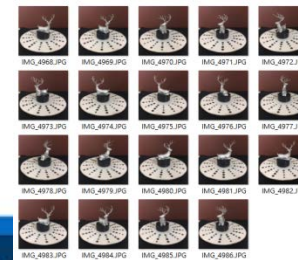
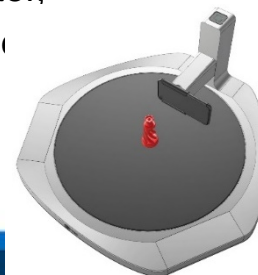
Taiwan 3D Tech LLC—NTUST SPINNED OFF

myt3d.com

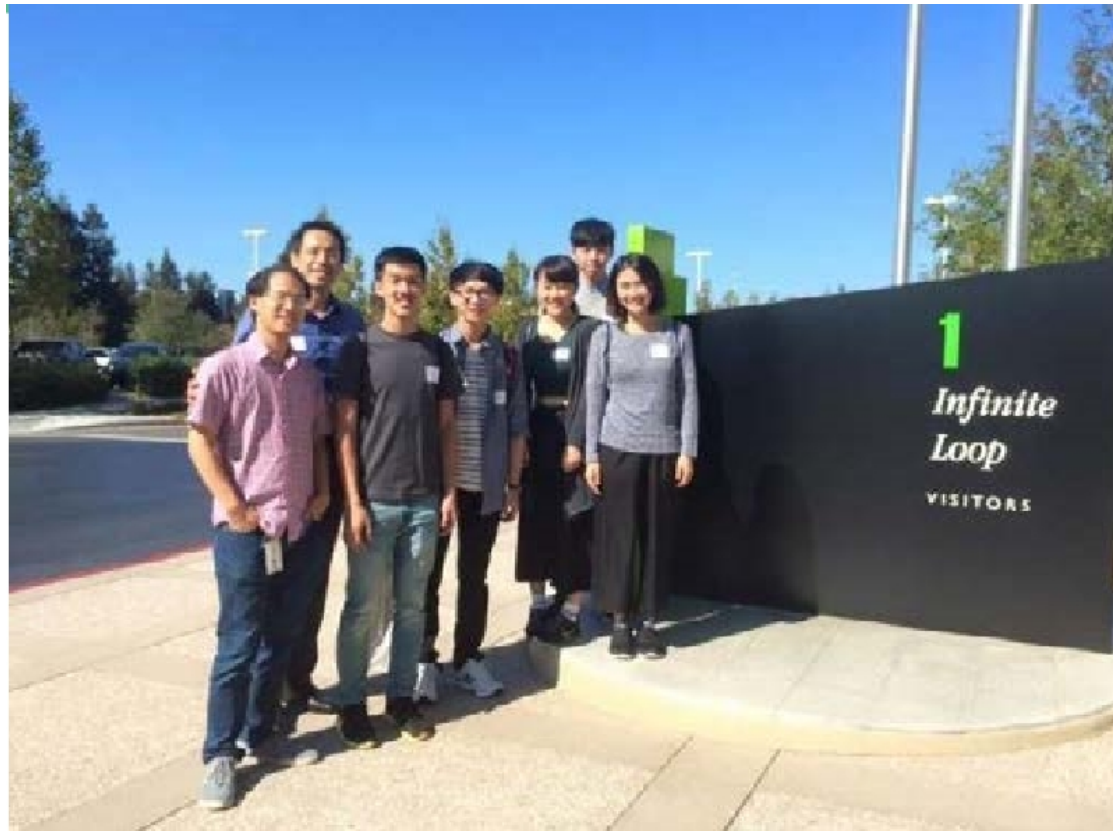
- First smart phone 3D printer worldwide
 - Concept of sharing economy like Uber—smart phone (XY-axis) 、T3D(Z-axis)
 - \$ 300 machine can print extremely high quality 3D parts.



- APP download
 - Slicing ,supporting calculation & service
 - Does not use a computer to reduce the threshold of user
- The paragon of teacher-student entrepreneur--Complete Kickstarter campaign raising \$160K
- Win awards—the golden award of ICT month 、 the most popular booth in COMPUTEX InnoVex 、 new star by Taiwan Science Park, the most innovative 3D printer reported by Machinery Magazine
- First multi-color Vat Photo polymerization 3D printer, 3D scanning & printing multifunction printer worldwide



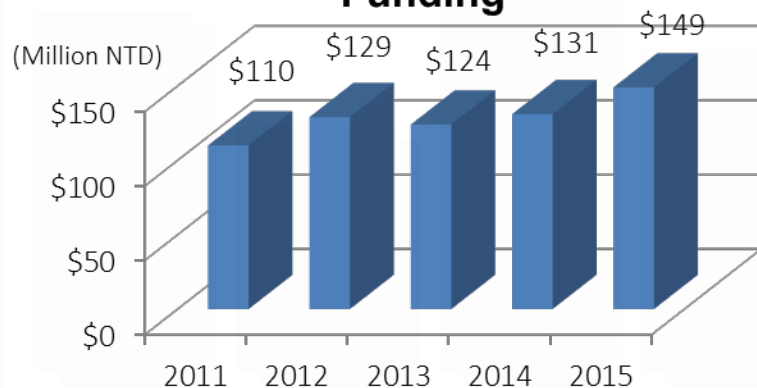
Taiwan Tech Silicon Valley Center Inaugurated



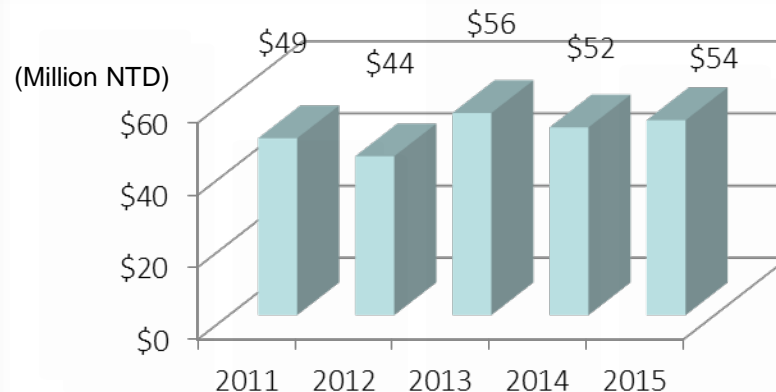
- Inaugurated on 22th September 2016 in Silicon Valley, California, U.S.
- Aims to integrate resources within its alumni network to arrange business visits and create internship opportunities.
- Future focus will be to facilitate the cultivation of science and technology talent.

Taiwan Tech – Industry Cooperation

Taiwan Tech-Industry Coop. Funding



Technology Transfer Amount

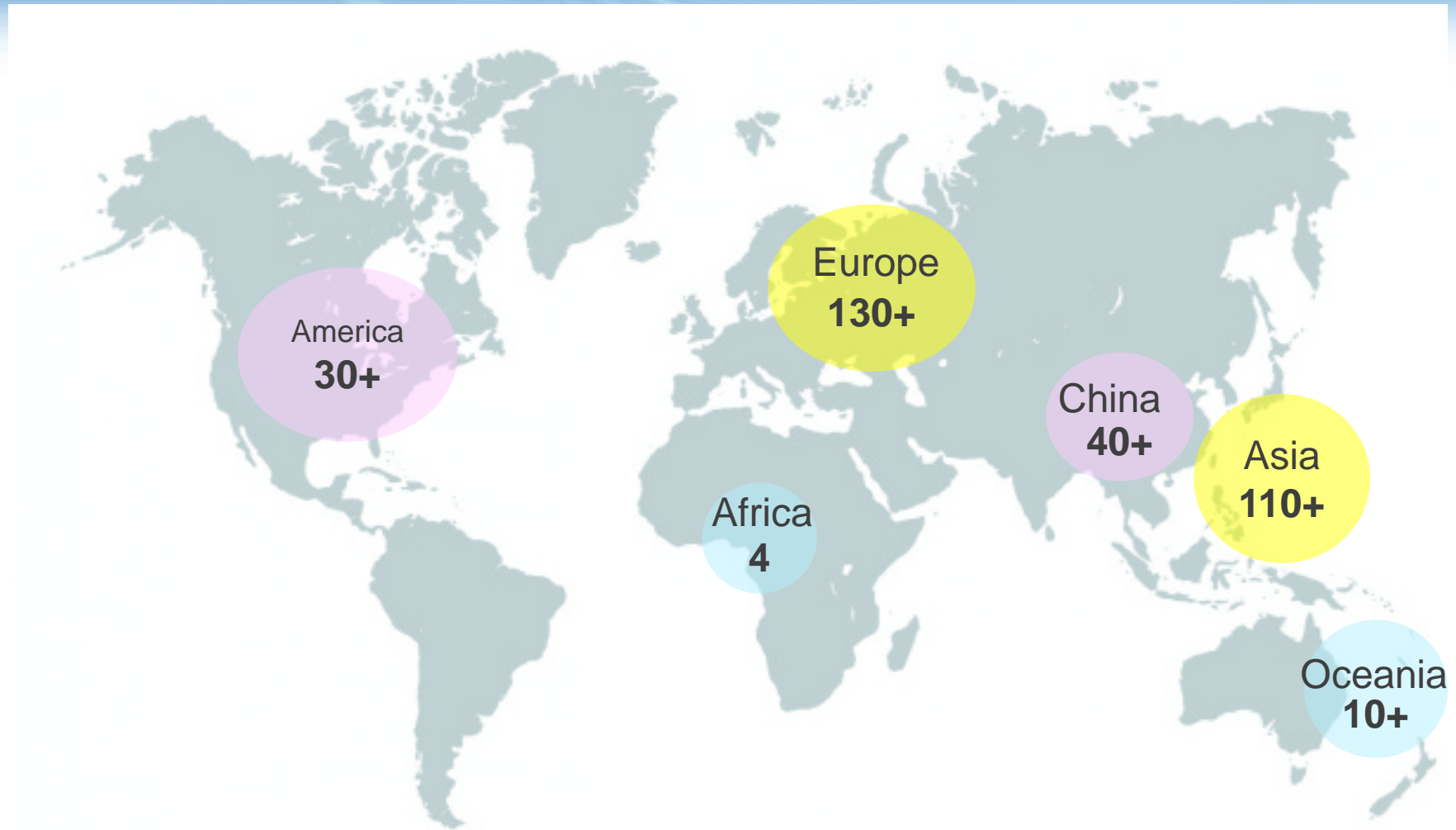


AABI Incubator of the Year 2017 Award



台科大奪得 2017
亞洲育成協會AABI 最佳育成中心殊榮

Partner Universities Around the World: 330+



Partner Universities

Asia

India



Singapore



東京工業大学
Tokyo Institute of Technology

Japan



Malaysia



Korea



Jordan

Jordan University of
Science & Technology

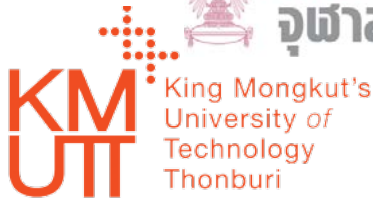
Thailand

Chulalongkorn University
จุฬาลงกรณ์มหาวิทยาลัย

Hong Kong



Iran



Indonesia



Institut Teknologi Bandung



ITS
Institut
Teknologi
Sepuluh Nopember



Vietnam



Philippines



Partner Universities

Europe

Norway



NTNU – Trondheim
Norwegian University of
Science and Technology

Sweden



Finland



Germany



Belgium



France



Spain



**Universitat
Pompeu Fabra**
Barcelona



**Universitat Autònoma
de Barcelona**

Netherland



**Technische Universiteit
Eindhoven**
University of Technology

**Erasmus
University**
Rotterdam



**Delft
University of
Technology**



**university of
 groningen**



Maastricht University

Italy



**POLITECNICO
DI MILANO**

Turkey



ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

University of Stuttgart
Germany



**TECHNISCHE
UNIVERSITÄT
DRESDEN**



**Technische
Universität
Braunschweig**



**TECHNISCHE
UNIVERSITÄT
DARMSTADT**

America

Canada



**POLYTECHNIQUE
MONTREAL**

LE GÉNIE
EN PREMIÈRE CLASSE



USA



IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY



**TEMPLE
UNIVERSITY**

Mexico



Brazil



Argentina



Chile

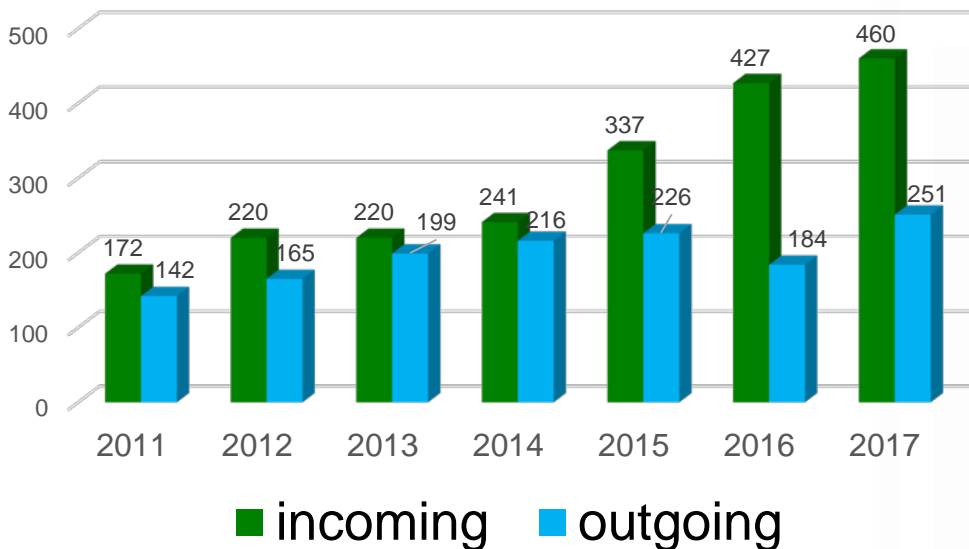


Dual Degree Partner Universities

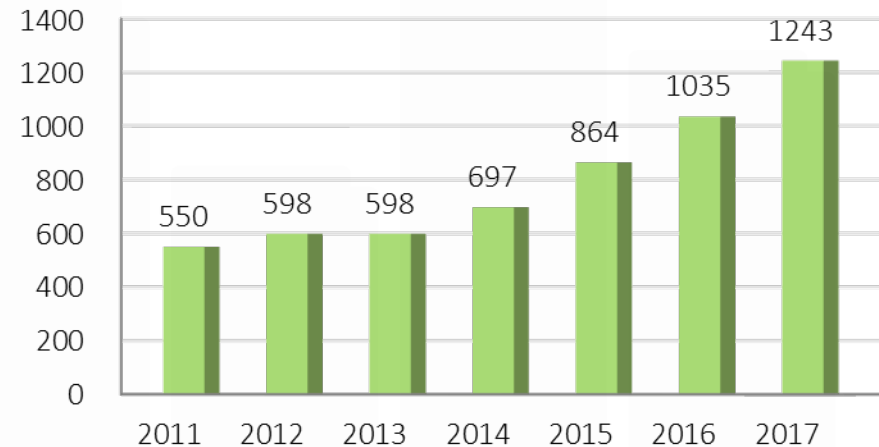


Internationalized Campus

Number of Exchange Students



Number of International Students



Dynamic Student Life



Possible Formats of Cooperation

For Students
undergraduate and graduate levels

Exchange Student

Laboratory Internship

Summer/Winter Camp

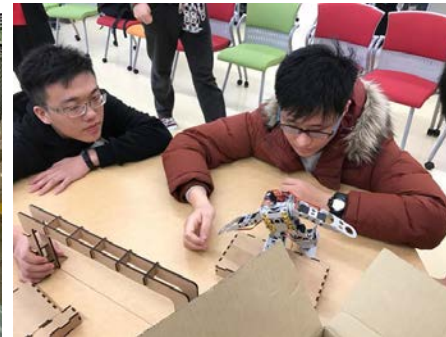
Project based Learning Program

**For Professors
and Researcher**

Visiting Professor for lecture

Research Cooperation

Joint Conference



2018 Taiwan Tech Winter Camp

Date: January 21st to 27th, 2018



Taipei



Movement Around Taipei ?

MRT (Metropolitan Rapid Transit)



u-bike

Thank you!

