



**Welcome to**  
**Tatung**  
**University**

**大同大學**

*Taipei, Taiwan*

**林楷潔 *Maggie Kai-Chieh Lin***

Director, International and Cross-strait Affairs

Assistant Professor, Department of Industrial Design

[kclin@gm.ttu.edu.tw](mailto:kclin@gm.ttu.edu.tw)

# History & Unique Tatung School-Company

- In 1956, Tatung University (TTU) was founded by Mr. SC Lin, the founder of Tatung Company. TTU and Tatung Company *jointly development of technologies and new business.*
- 大同公司董事長林挺生先生1956年創辦大同大學公司，為建教合作人才培育模式樹立典範。
- TTU adheres to the philosophy of **“Quality, Refinement, and Interdisciplinarity,”** making significant contributions to Taiwan's economy.
- 大同大學堅持小而美「優質、精緻、跨領域」的教學特色，對台灣經濟發展做出了重大貢獻。
- **Talent Cultivation**  
3,600 (80% Undergraduate+20% Postgraduate)





# Location

## 台北市中心 Taipei City

Easy access to almost anywhere in Taiwan!



MRT  
7-10 Minutes



Taipei Main Station  
15 Minutes



Taoyuan  
International Airport  
40 Minutes



# Academic Departments

## 設計學院 College of Design

<b>Industrial Design</b> ( 工業設計學系 )	B.Des	M.Des	-
<b>Digital Media Design</b> ( 數位媒體設計學系 )	B.Des	M.Des	-
<b>Design Science</b> ( 設計科學研究所 )	-	-	PhD

## 工程學院 College of Engineering

<b>Mechanical &amp; Materials Engr.</b> ( 機械與材料工程學系 )	BS	MS	PhD
<b>Chemical Engr. &amp; Biotechnology</b> ( 化學工程與生物科技學系 )	BS	MS	PhD
<b>Electrical Engineering</b> ( 電機工程學系 )	BS	MS	PhD
<b>Computer Science and Engineering</b> ( 資訊工程學系 )	BS	MS	PhD

## 經營 ( 管理 ) 學院 College of Management

<b>Business and Information Management</b> ( 事業與資訊經營學系 )	BBA	MBA	-
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## 國際學院 International College

<b>Applied Foreign Languages</b> ( 應用外語學系 )	BA	-	-
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**#4 in Asia-Pacific Region**



**#18 Worldwide**



**MUSE  
DESIGN  
AWARDS**

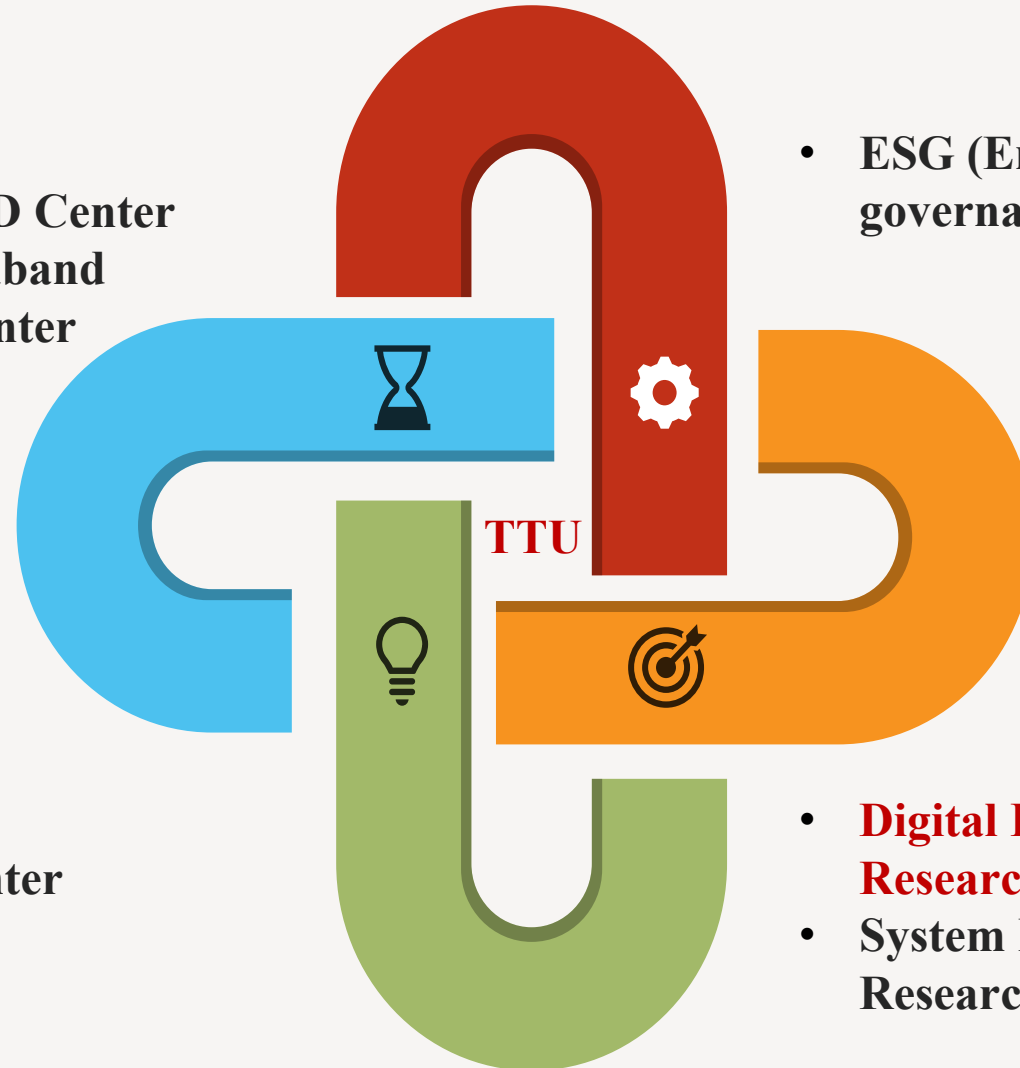


**IEET**  
中華工程教育學會

# University-Research Centers

Emphasis on the development of Industry-Academic Cooperation

- Smart IoT R&D Center
- Wireless Broadband Technology Center
- AI Center



- ESG (Environmental, social, and governance) Center

- Biotechnology Innovation Center

- **Digital Printing Product Design and Research Center**
- System Integration and Innovative Design Research Center



2020

# HBR 台灣 CEO 100 強

Taiwan Top 100 Best-Performing CEOs



美律實業  
22 廖祿立



旭準科技  
26 謝卓明



禾伸堂  
46 唐錦榮



德律電子  
62 陳玠源



日友環保  
72 張芳正

TTU Alumni

5 / 100

## Outstanding Alumni



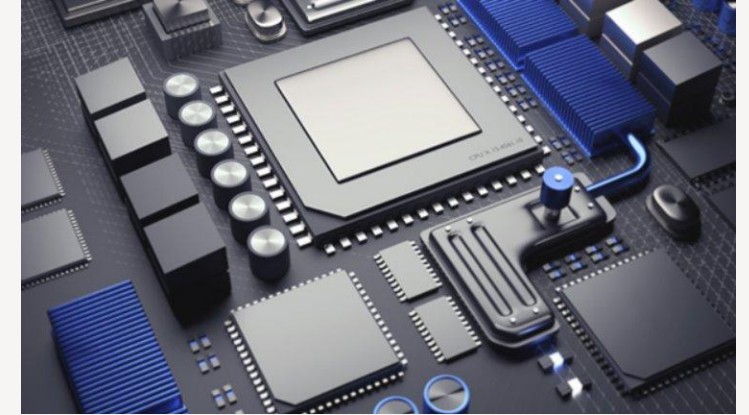
- **李英檳 ( ME )**  
CEO, Jamco Aerospace
- **陳健三 ( EE )**  
Founder, Solomon Tech.
- **戴正吳 ( CE )**  
President, Sharp
- **廖賜政 ( BM )**  
President/ CEO, Pegatron
- **盧明光 ( EE )**  
Chairman, Actron Tech.  
Honorary Director, Sino-American  
Silicon Products Inc.
- **謝宏波 ( EE )**  
Chairman, Wistron NeWeb
- **廖祿立 ( EE )**  
Chairman, Merry Electronics
- **劉政林 ( EE )**  
Chairman, Eastech
- **黃柏溥 ( ID )**  
Vice President, Wistron



# TTU ECE INTENSE Program (1/8)

## Program Overview

- ✓ Taiwan leads globally in semiconductors and AI, supported by its strong information and communication technology (ICT) and manufacturing sectors. TTU builds on 50 years of semiconductor research and 30 years of AI development, achieving success in OCR, AIOT, automation, and inspection technologies.



Program	AI	Communication	Semiconductor	Course Schedule
Master	V	V		<ul style="list-style-type: none"><li>• 1 academic year + 1-year intern</li><li>• <b>Thesis is required</b></li></ul>
Post-Baccalaureate	V	V	V	<ul style="list-style-type: none"><li>• 1 academic year + 1-year intern</li></ul>

The courses above are all taught in English. Mandarin Chinese language courses are provided to assist students in reaching a proficiency level of A2 after the first year of study.

以上課程皆以英文授課，並提供華語文課程輔導學生，第一年結束後協助考取華語文能力A2等級。



# TTU ECE INTENSE Program (2/8)

## Master program for AI/ Communication

Master Semester	Courses	Total Credits		Elective courses/ Internship	
				Artificial Intelligence	Communication Technology
1 <sup>st</sup>	• Seminar I	1	12	<ul style="list-style-type: none"> <li>• Principles of AI</li> <li>• AI Programming</li> <li>• Neural Networks</li> <li>• Computer Vision</li> <li>• AI Project</li> </ul>	<ul style="list-style-type: none"> <li>• Principles of Communication</li> <li>• Digital Communication</li> <li>• Computer Networks</li> <li>• Wireless Communications</li> <li>• Internet of Things (IoT) Technology</li> </ul>
	• Elective Courses (3 out of 4)	3*3			
	• Basic Chinese	2			
2 <sup>nd</sup>	• Seminar II	1	12		
	• Elective Courses (3 out of 4)	3*3			
	• Advanced Chinese	2			
3 <sup>rd</sup>	• Internship I	3	6		
	• Thesis I	3			
4 <sup>th</sup>	• Internship II	3	6		
	• Thesis II	3			

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# TTU ECE INTENSE Program (3/8)

Post-graduate program for AI/ Communication/ Semiconductor

✓ **Partner Institution** 4 academic year

**Finish Bachelor Degree**

✓ **Tatung University** 1 academic year (44 credits)



1-year intern (18 credits)

**Get a second Bachelor Degree**

Artificial Intelligence	Communication Technology	Semiconductor
<ul style="list-style-type: none"><li>• Programming Languages for Artificial Intelligence</li><li>• Artificial Intelligence</li><li>• Introduction to Neural Networks</li><li>• Computer Vision</li><li>• Practical AI Project</li></ul>	<ul style="list-style-type: none"><li>• Introduction to Communications</li><li>• Digital Communication</li><li>• Introduction to Internet</li><li>• Wireless Communications</li><li>• Internet of Things (IoT) Technology</li></ul>	<ul style="list-style-type: none"><li>• Semiconductor Devices Physics</li><li>• Integrate Circuit Manufacturing Process</li><li>• Semiconductor Device and Component Test</li><li>• Introduction To Vlsi</li></ul>

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以上課程皆以英文授課，並提供華語文課程輔導學生，第一年結束後協助考取華語文能力A2等級。



# TTU ECE INTENSE Program (4/8)

## Cooperative Enterprises



- Ranked #1 with 30% of the global market share for built-in antennas in laptops.
- Shipped over 300 million units of satellite communications and home automation products.

- Leading brand in the global PCBA automated inspection and testing equipment market.

- Design and manufacturing of headphones, audio systems, transducers, and acoustics.
- Over 120 different active patents and working with top-tier brands in the consumer electronics, pro audio, and IT industries.



# TTU ECE INTENSE Program (5/8)

## Cooperative Enterprises



- Fortune Global 500 company that provides leading capabilities in consulting and outsourcing services across software development, IT/business processes outsourcing, product localization.

- Innovative leader in 3D vision systems and industrial AI worldwide.
- Forefront of AI and 3D vision applications, including vision guided robotics, visual inspection, bin picking, machine tending, depalletizing, and empowering frontline workers with the latest in AI-powered AR solutions.

- Network Security Solution
- Content Security Solution
- Enterprise Email Solution
- Surveillance Solution
- Systems Solution





# TTU ECE INTENSE Program (6/8)

## Cooperative Enterprises



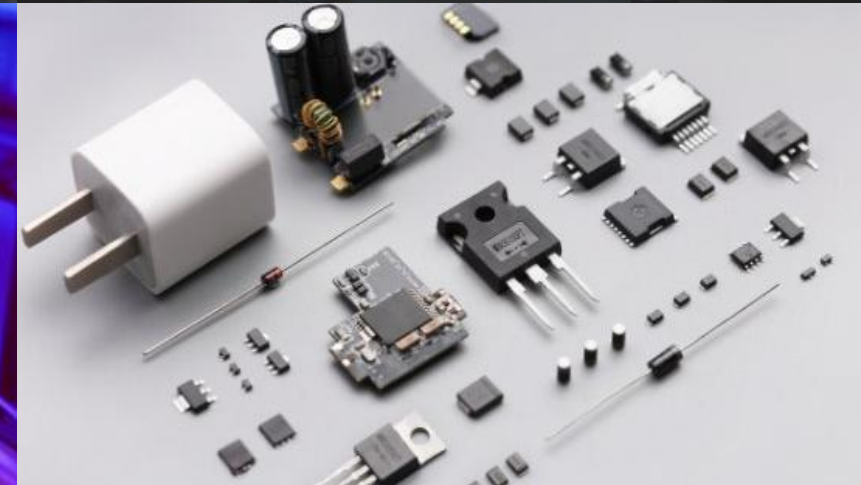
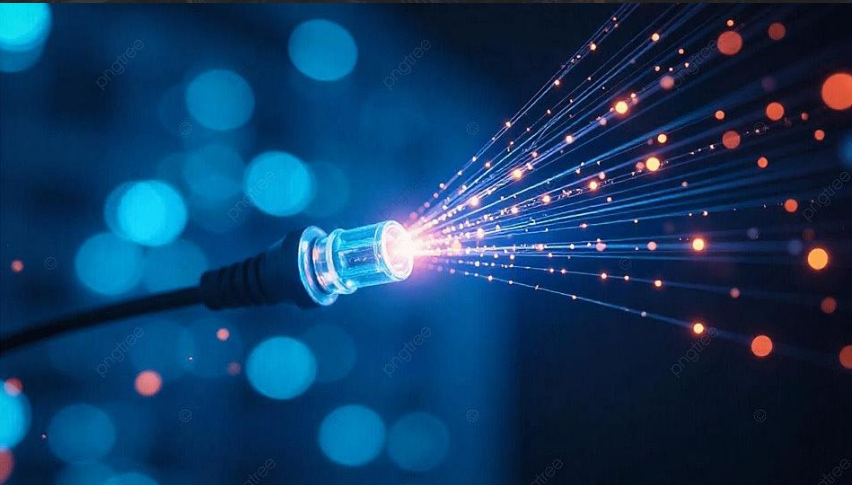
- Integrates TV, telecom, and internet to build a secure, nationwide broadband platform
- Leads the “Triple Play” trend: cable TV, telecom, and internet integration
- Actively deploys FTTH (Fiber to the Home) for high-speed networks

立捷電信

- Engineering services for cable TV and broadband networks
- Integration of television, telecommunications, and internet services. Builds one of the most secure broadband platforms in Taiwan.



- Passive components (MLCCs, ceramic substrates)
- Collaborates with GaN/SiC fast-charging IC clients, certified by top global companies.
- Distributes active components (power ICs, filters, switches), system modules (8-bit to 32-bit MCUs), and various electronic/mechanical parts.



# TTU ECE INTENSE Program (7/8)

## Mandarin Learning at TTU

### Level 1 初級華語課程

Level 1 course is designed for students who **do not achieve the A2 level**. The course content will prepare students to acquire 300-500 vocabulary.

為完全無學期華語基礎同學學習，課程內容規劃等同於於華語文能力測驗等級準備及至入門基礎級之入門級，預期學習成效為經過一學期之課程及輔導後，詞彙量可達300-500之程度。

### Level 2 中級華語課程

Level 2 course is designed for students who **almost achieve the A2 level or already achieve the A2 Level**. The course content will prepare students to acquire 500-1000 vocabulary.

為已有入門基礎級程度之外國學生，課程內容規劃等同於語文能力測驗入門基礎級入門級至基礎級，預期學習成效為經過一學期之課程及輔導後，詞彙量可達500-1,000之程度。

### Peer-learning Group 專業課程之華語訓練

Chinese Language Education Center (CLEC) encourages students from all departments at TTU to be part of the peer-study groups. The spontaneous groups can apply for funding from the existing system to study together.

由該專業系所同學、華語輔導員及外籍學生主動申請之學習小組。



# TTU ECE INTENSE Program (8/8)

## Rights & Obligations

Government	University	Corporations	Students
<ul style="list-style-type: none"><li>✓ One-time flight ticket</li><li>✓ 1st Year Tuition Fees</li><li>✓ 2nd Year Tuition Fees for 70% Elite Students</li></ul>	<ul style="list-style-type: none"><li>✓ Courses co-designed with corporation experts and managers</li><li>✓ Courses instructed by corporation managers</li><li>✓ Free Intensive Mandarin Courses</li><li>✓ Campus life supporting system</li><li>✓ <b>The dormitory is guaranteed and the fee waiver</b></li></ul>	<ul style="list-style-type: none"><li>✓ 1st year: <b>monthly allowance NT\$10,000</b> (The allowance will be cancelled when students stop fulfilling their obligations)</li><li>✓ 2nd year: <b>paid intern posts</b></li><li>✓ Hiring students to work at the corporations after they receive their MS degrees</li></ul>	<ul style="list-style-type: none"><li>✓ Students need to work for 2 years (with payment) at the corporations which offered the allowance. If not, the allowance has to be returned to the corporations.</li><li>✓ If students want to stay and work in Taiwan, corporations will help them get the Permanent Residential Certificates.</li></ul>





大同大學  
Tatung University

104 台北市中山區中山北路三段40號  
No.40, Sec. 3, Zhongshan N. Rd., Taipei City 104, Taiwan (R.O.C.)