THE FUTURE Vol. 1.0
EDUCATION

New Tech Education Trends in HK

Why **Electrical Engineering** is the Future?

CityU EE empowers **STEM Education** in HK

Do you know? CityU EE ranks

No. 1 in Electrical Engineering in Hong Kong

15th in Engineering in the world

U.S. News Best Global Universities Rankings 2019

We have 1,012 EE Undergraduate Students

Now it is good chance to join us!
We have ~200 undergraduate positions per year!

Join us now!

Department of
Electrical Engineering

CityU
香港城市大學
City University of Hong Kong

Vision

Message From Department Head

It is difficult to think of any area of life that has not been affected. Almost all the goods and services people use depend on technology related to electrical engineering (EE). EE Department is an exciting hub of discovery and innovation led by a group of passionate and knowledgeable faculty working in the fields to make innovation happen embracing the importance of multidisciplinary approaches in technology.

Prof. Stella Pang
**Chair Professor**
Head of EE

(scan or click)

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New Tech Education Trends in HK

Electrical Engineering is crucial in designing and developing robotics and 5G in a modern world.

We endeavor to bring together students, faculty and other collaborators in a multidisciplinary work environment that support open-ended thinking in science, engineering, and entrepreneurship.

Biomedical Microsystems

IoT Sensors

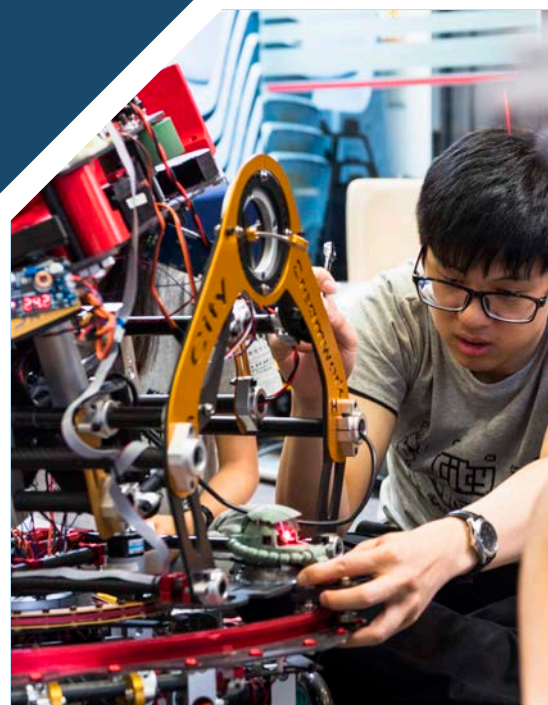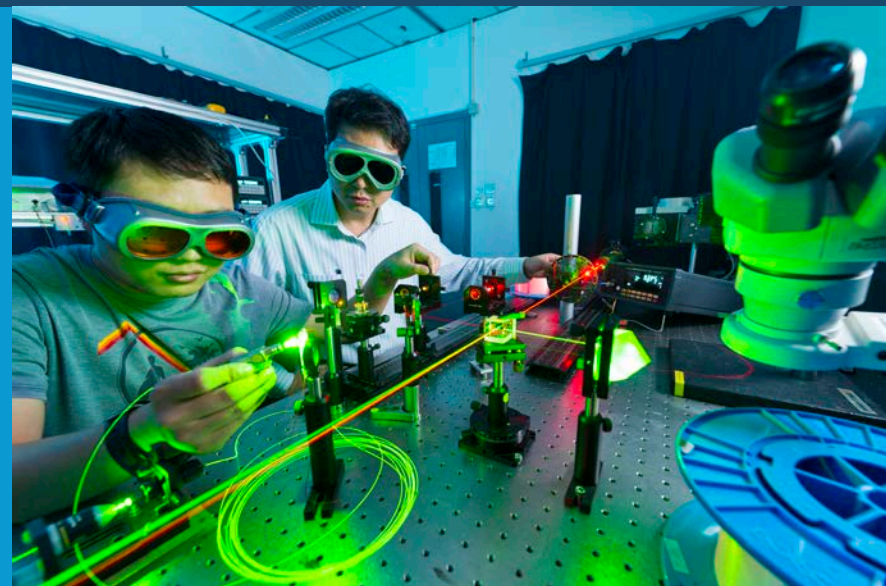**Wireless Communication**

AI and Coding
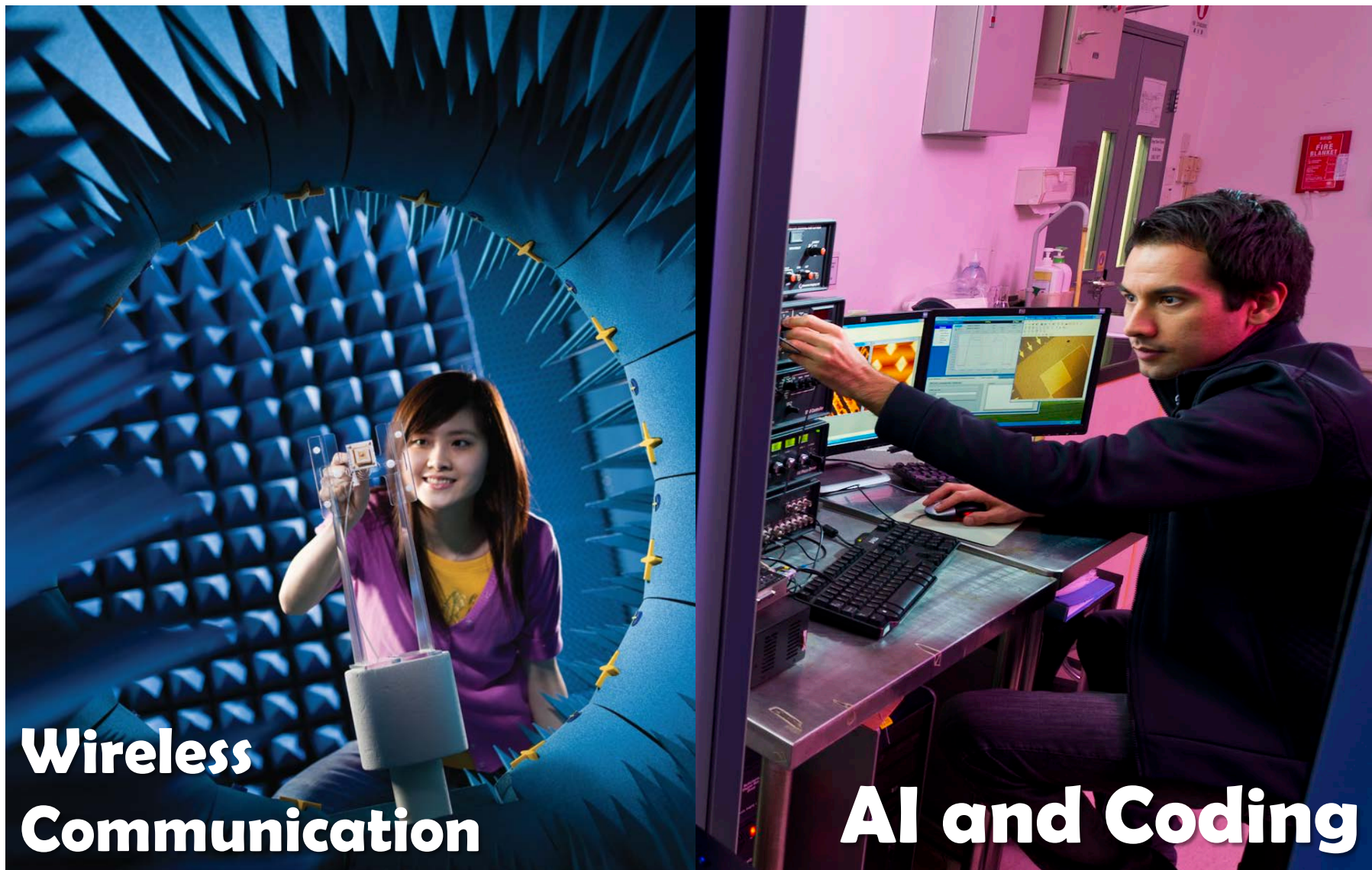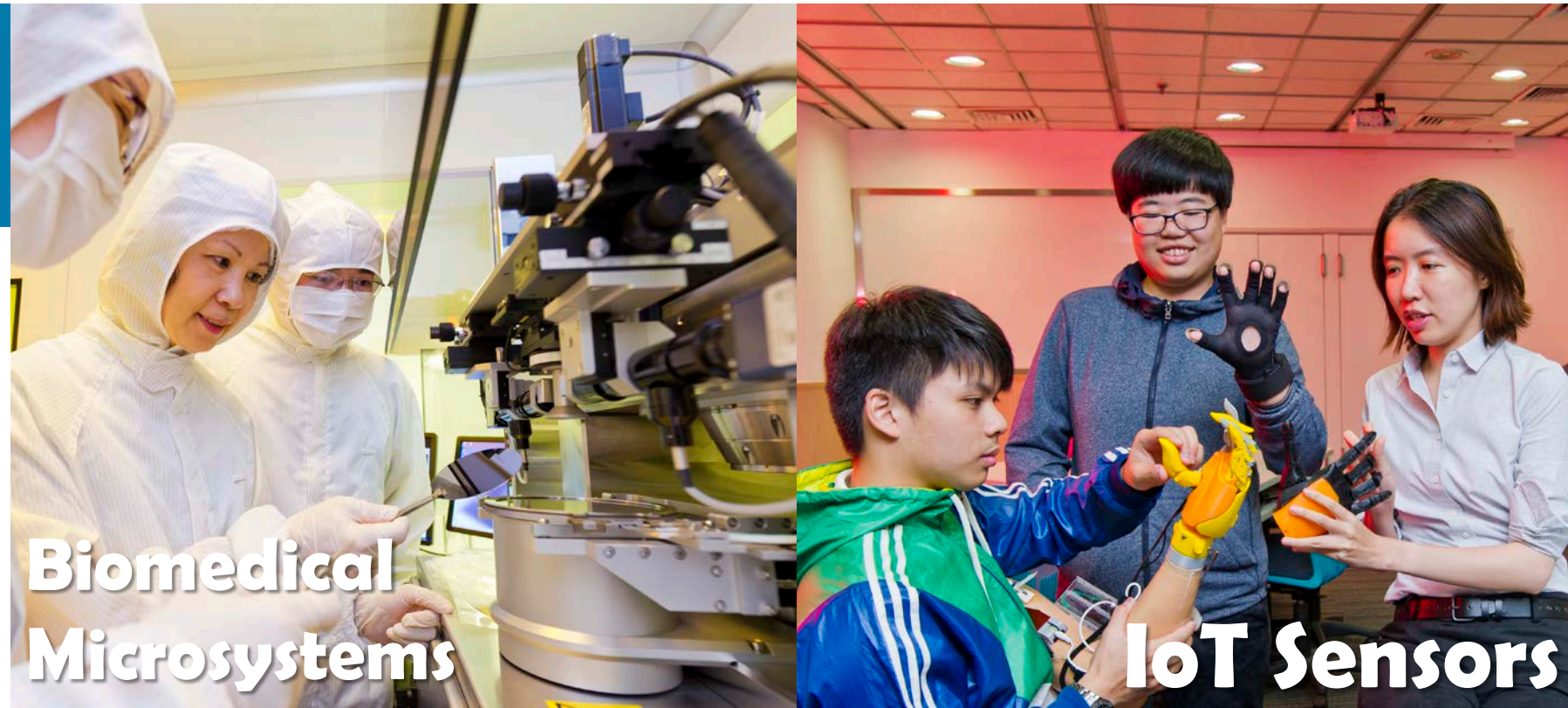
Technology nowadays is advancing in an unprecedented rate in human history and has brought dramatic new options in all aspects of everyday life – health care, education, job satisfaction, entertainment, communication, and commerce.

How to adopt new tech in STEM?

5G Lab Visit

Product Design

IoT Lab Training

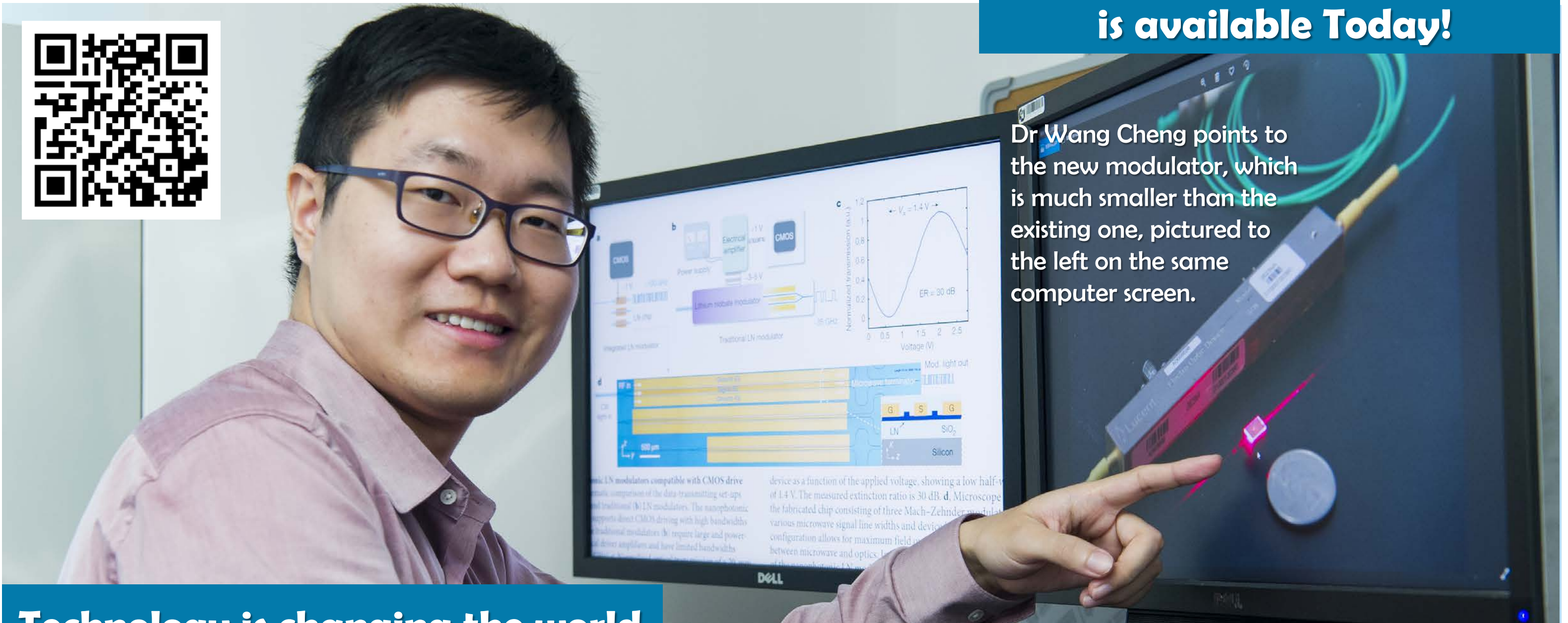CityU EE provides hardware and software complete training to support secondary school students.

Robotics Hardware Training

AI Coding Summer Course 2018

CityU
Department of Electronic Engineering

Software Training For AI and coding

Electrical Engineering is the Future!

Dr Wang Cheng points to the new modulator, which is much smaller than the existing one, pictured to the left on the same computer screen.

Technology is changing the world

- 1st in HK, 15th Worldwide, U.S. News Best Global Universities Rankings 2019
- 1st in HK, Prof. Ron Chen on Top Scientist list in Computer Science and Electronics by H-Index
- 1st in HK, Electrical and Electronics, World Universities by Shanghai Jiao Tong University 2018
- 55 Faculty members, 1012 Undergraduate students, 9647 EE Graduate Alumni
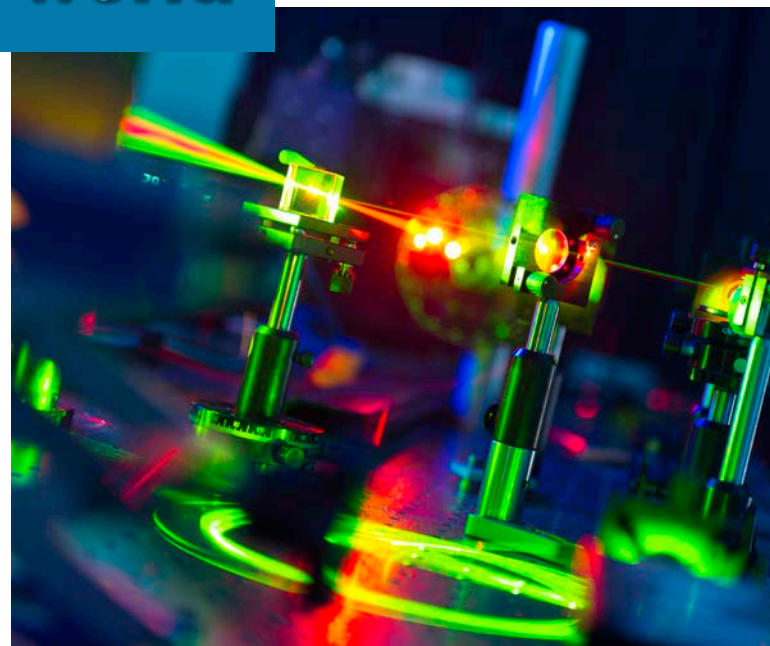
Other electrical engineering technologies affecting our future in CityU EE include Thz, Biomedical, Nano technology, AI and cloud computing that are all driven by experts and researchers

Future Leaders
Achievements

Preparing students with excellent education in breadth and depth for engaging in future engineering professions.

Developing students' leadership skills, communication and creative thinking skills, global perspective.

Establishing wide range of entrepreneurial resources to promote innovation, creativity, and knowledge transfer.

CityU EE Summer Taster Programme 2019
for Secondary School Students

Remote Controlled Paraglider

10 July to 7 August 2019
9:30am – 4:30pm (Mon-Fri)

3 Options
Full programme covering hardware and software development
• Batch 1:   10 July - 7 Aug
Beginner programme covering software development only
• Batch 2A: 17 - 25 July & 7 Aug
• Batch 2B: 29 July - 7 Aug

Target Students: S4 - S5
• Enrolled in Science, ICT, Physics, or M1/M2 subjects
• Have a strong interest in STEM
• Outgoing and confident in communicating with

30 high school students from 15 local secondary schools joined a 2-week AI Summer Course.

EE International Summer Programme for International students, and High school students.
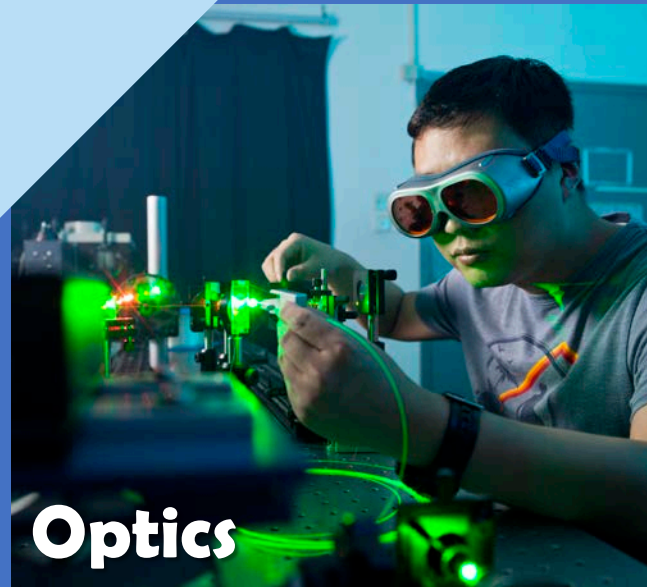

CityU EE Empowers STEM in High Schools
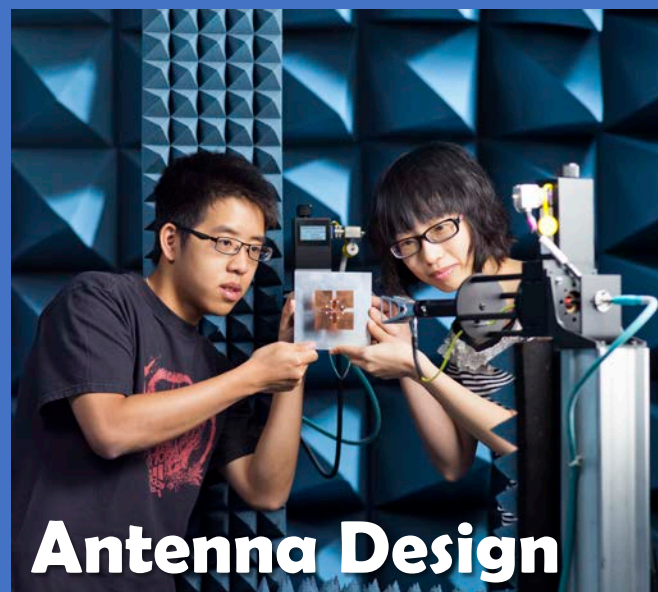
CityU EE Principal Nomination Scheme

50 highly motivated high school students, have joined the scheme.

CityU EE Provides
World Class Lab
Facilities

Optics

Embedded System

Centre for Chaos and Complex Networks

State Key Laboratory of Terahertz and Millimeter Waves

Antenna Design

Signal Processing

Centre for Smart Energy Conversion and Utilization Research

Centre for Biosystems, Neuroscience, and Nanotechnology

Nanotechnology

AI & Machine Learning

CityU EE Empowers STEM in High Schools

- SKH Lam Woo Memorial Secondary School
- HHCKLA Buddhist Ching Kok Secondary School
- Liu Po Shan Memorial College
- Kowloon Tong School (Secondary Section)
- Lok Sin Tong Yu Kan Hing Secondary School
- Po Leung Kuk Yao Ling Sun College
- Lai King Catholic Secondary School
- St. Teresa Secondary School
- C&MA Sun Kei Secondary School
- Sacred Heart Canossian College
- CUHKFA CCH Secondary School
- Munsang College
- HK True Light College
- Lui Cheung Kwong Lutheran College
- SW Chan College
- St. Paul's Convent School

Principal Nomination Scheme 2019

Topics include: AI, Antenna, Invisible Cloak, Power Electronics, Bio-electronics, and Integrated circuit designs. Students also have hands-on workshop to understand what is EE.

Chloe Lam - Year-2 student, ICT Student Innovation Gold Awardee 2019

"EE department offers courses on both the hardware and software."

Rica Ng - Final year Student, Internship in Microsoft & Deloitte

"Even as a student without prior computing background in high school, I have managed to learn essential coding skills and concepts in Information Engineering."
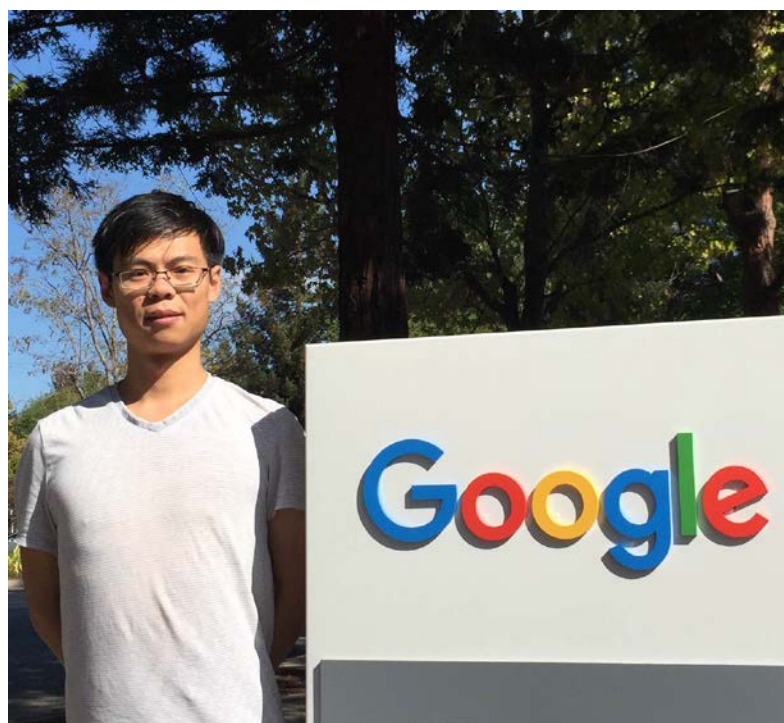
Samson Wong – EE 2018 Graduate, HSBC SafeGuard Awardee, Microsoft Account Technology Strategist

"The amount of supports from EE are beyond my imagination. Thanks to the industry-focused courses related to modern application development."

Students' Voice

Vincent Hu
Software Engineer
Google Inc

"EE department has setup industry placement and internships with over 100 companies in Hong Kong."

Departmental Advisory Committee Chairman
Dr Brian Y C LI
Executive Vice President
GP Industries Limited

"We hired many CityU EE graduates in our company and they have very good performance."

Ir Dr Alan LAM
Chairman of Sengital Group

"CityU EE supplies many outstanding engineers and programmers to fulfill the demands from industries in the world."

Bright Career Future

International Exchange

phone : +852 3442 7740 | www.ee.cityu.edu.hk

Enjoyable University Life is in CityU EE

Department of
Electrical Engineering
香港城市大學
City University of Hong Kong

Department Head
Prof. Stella Pang

Department Admission
Dr. Leanne Chan, Dr. Alex Wong

Student Recruitment
Dr. Ray Cheung

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JUPAS Info Day

CityU EE Department
(held in June 2021; details to be announced)