

# Annual Report 週年報告

2019 - 2020

**Engineers Without Borders (Hong Kong) Limited**  
**無國界工程師(香港)有限公司**

a charity registered in Hong Kong  
在香港註冊的獨立及慈善組織  
(IRD File No. 91/9757)

**December 2020**  
**2020年12月**

## CORE BUSINESS

**Pro bono  
engineers**  
*who have  
passion to serve*



**Bridging with capacity,  
competency and quality**

### **Partnership**

*with other organizations,  
education institutions  
and private sector*

**Support to  
NPO /  
Communities**

**EWB-HK  
Hong Kong  
Projects**

**EWB-HK  
Overseas  
Projects**

**Education /  
Young Persons  
Development**

### **Our Missions**

1. To accelerate betterment in life of disadvantaged communities and promote sustainable development through the empowerment of engineering means.
2. To enhance the capacity of Hong Kong's professionals and the generations to come contributing to the communities in need.

## Board

The Board of Directors is the highest decision-making body of EWB-HK. The daily operation of this organization, as well as the planning, management, execution and evaluation of our activities and projects, are responsible by our Committees. We aim to enhance the quality of organizational management and safety management, as well as to strengthen the capacity of our volunteers through closer communication amongst our volunteers and pro bono staff of the Board of Directors and Committees. In the coming year, we are intending to strengthen the capability of corporate governance, so as to improve the quality of services and collaboration with our stakeholders.

### 2019-21 BOARD OF DIRECTORS (VOLUNTEER BASIS)

#### CHAIRMAN

Ir Edward Chan

#### DIRECTOR

Ir Dr Horace Mui

Ir George Cheng

Mr Raymond Lopinski

Mr Raymond Wan

#### TREASURER

Mr Janos Choy

*Engineers Without Borders (Hong Kong) Limited (EWB-HK) is an independent and charitable organization in Hong Kong. Founded in 2008, it is a volunteer-based organization, supported by engineers, professionals from different disciplines, non-technical and student volunteers. EWB-HK is now a member organization of EWB-International; an approved charitable institution in Hong Kong, which is exempt from tax under Section 88 of the Inland Revenue Ordinance (IRD File No. 91/9757).*

「無國界工程師(香港)有限公司」(EWB-HK)是一個在本港註冊的獨立及慈善組織。本組織成立於2008年，由不同類別工程師及相關專業人士組成，並有一群來自不同界別的朋友及學生協助推動各項義務工作。EWB-HK現時為「國際無國界工程師」會員機構。本會為香港稅務條例第八十八條認可之慈善機構(稅務局檔案號91/9757)。

## Executive Committee

Apart from the Members and Board, EWB-HK consists of and supported by working Committees. The Committees are made up of Members and Volunteers. It is a requirement that office bearers of Committees should be Members.

### EXECUTIVE COMMITTEE

#### CHAIR, HONG KONG PROJECTS COMMITTEE

Mr Manuel Kwong

#### CHAIR, OVERSEAS PROJECTS COMMITTEE

Mr Sam Chan

#### CHAIR, YOUNG MEMBERS GROUP

Mr Chester Chan

### SECRETARIAT

#### IT WORKING GROUP (WEBMASTER) LEAD

Mr Lee Siu Hoi

#### COMMUNICATION MANAGER

Ms Camise Wong

#### EXECUTIVE

Ms Samantha Ho

Ms Bobo Poon

## Our Advisors

### LIFE ADVISOR

Ms Susanna Tam

### HONORARY ADVISOR

Prof. Lee Chack-fan, GBS, JP

- Vice Chairman, Chu Hai College of Higher Education
- Chair Professor (Geotechnical Engineering), Department of Civil Engineering, The University of Hong Kong
- Former Vice-President, The University of Hong Kong
- Former Director, HKU SPACE

Prof. Stephen S.Y. Lau

- Professor, Department of Architecture, National University of Singapore
- Former Associate Dean, Faculty of Architecture, The University of Hong Kong

### ADVISOR (VOLUNTEER TRAINING)

Ms Doris K.H. Wong

- Former Head (Culture, Sports & Arts Division), Hong Kong Playground Association

Mr Raymond C.W. Yeung

- Manager (Culture & Arts Services), Hong Kong Playground Association

### LEGAL ADVISOR

Ms Kitty Ng



HKCSS New Agency Member Orientation Day  
October 2020



Engineers Without Borders (Hong Kong) Limited had been approved as an official Agency Member of The Hong Kong Council of Social Service (HKCSS) on 25 May 2020. The membership of EWB Hong Kong ascertains our role and commitment in the social service sector of Hong Kong.

「無國界工程師(香港)有限公司」於2020年5月25日，獲接納成為「香港社會服務聯會」(社聯)的正式機構會員，以確立「無國界工程師(香港)」在香港社會服務界別的角色和承諾。

## EWB-International



## Welcome to Engineers Without Borders-International

### VISION

*"A sustainable world where engineering enables long-term positive social and global development for the benefit of people and the environment everywhere."*

### MISSION

EWB-I seeks to promote collaboration so that collectively we can achieve more than the sum of our parts and fulfill our mission

*"To be the beating heart of the engineering movement for sustainable global development, building and evolving engineering capacity throughout the world"*

**102**

Countries

Registered National Member Associations: 62

Start Up National Associations: 40

**41,848**

Estimated Number of Global Volunteers

# Engineers Without Borders (Hong Kong) Limited Annual Report

無國界工程師(香港)有限公司  
週年報告

2019 - 2020



## National Member Associations

Argentina  
Australia  
Bangladesh  
Belgium  
Bolivia  
Brazil  
Burundi  
Cambodia  
Cameroon  
Canada  
Chile  
Columbia  
Congo  
Côte d'Ivoire  
Denmark  
Ecuador  
Finland  
Gabon  
Germany  
Ghana  
Greece  
Honduras  
Hong Kong  
India  
Iran  
Iraq  
Israel  
Jordan  
Kenya  
Korea  
Kosovo  
Kuwait  
Lebanon  
Macedonia  
Malaysia  
Mexico  
Morocco  
Nepal  
Netherlands  
New Zealand

Nigeria  
Norway  
Palestine  
Panama  
Peru  
Portugal  
Qatar  
Rwanda  
Saudi Arabia  
Sierra Leone  
Singapore  
South Africa  
Sri Lanka  
Sudan  
Sweden  
Switzerland  
Syria  
Turkey  
UAE  
Uganda  
UK  
Ukraine  
USA

## Start Up National Associations

Afghanistan  
Algeria  
Azerbaijan  
Bahrain  
Bhutan  
Botswana  
Burkina Faso  
Costa Rica  
Cyprus  
Egypt  
Estonia  
Ethiopia  
Hungary  
Iceland  
Indonesia  
Liberia  
Luxembourg  
Malawi  
Mauritius  
Mozambique  
Myanmar  
Nicaragua  
Papa New Guinea  
Philippines  
Poland  
Romania  
Russia  
Senegal  
Serbia  
Somaliland  
Somilia  
Sudan  
Tanzania  
Tunisia  
Venezuela  
Vietnam  
Yemen  
Zambia  
Zimbabwe

## Non-Member Associations

Austria  
France  
Ireland  
Italy  
Japan  
Spain

### Don't See Your Country?

Email [admin@ewb-international.org](mailto:admin@ewb-international.org) to find out if you can get involved in establishing operations in your country.

## EWB-International

The screenshot shows the EWB-International website interface. At the top, there is a navigation menu with links for 'About EWB-1', 'Activities', 'Countries', and 'Donate'. Below the menu is a large photograph of three children, two of whom are holding a white globe with the EWB logo. The globe has the text 'INGENIEURE OHNE GRENZEN' and a gear icon. Below the photo, the text 'Hong Kong' is displayed. At the bottom of the screenshot, there is a footer with the EWB logo, a 'Visit Website' button, an 'Email' button, and social media icons for Facebook and LinkedIn. The footer also contains the text 'VISION' and 'A World of disadvantaged communities empowered by engineering solutions to achieve sustainable development.'

# Newsletters

無國界工程師 (香港)  
會訊

Newsletter

Engineers Without Borders . Hong Kong

第一期, 2019 冬季刊Issue 1 . Winter 2019



**Lai Chi Wo**  
荔枝窩

River & Farmland Flood Mitigation  
Engineering Project  
河道及農田水浸改善工程項目

Copyright: Engineers Without Borders Hong Kong

**INSIDE THIS ISSUE**  
今期內容

<ul style="list-style-type: none"> <li>10 Years of EWB Hong Kong</li> <li>Theme Story of Hong Kong Project</li> <li>Theme Story of Overseas Project</li> <li>Exchange, Conference &amp; Training</li> <li>Past Activities</li> <li>Fundraising for EWB Development</li> <li>Volunteers Recruitment</li> </ul>	<ul style="list-style-type: none"> <li>無國界工程師(香港)的第一個十年</li> <li>香港項目主題故事</li> <li>海外項目主題故事</li> <li>交流、會議及培訓</li> <li>過往活動</li> <li>EWB發展籌募經費</li> <li>義工招募</li> </ul>
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The Newsletter of EWB Hong Kong

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無國界工程師 (香港)  
會訊

Newsletter

Engineers Without Borders (Hong Kong)

第二期, 2020 夏季刊Issue 2 . Summer 2020

Theme Story 主題故事  
**EWB Global Citizenship Programme**  
EWB 全球公民計劃



**THIS ISSUE**  
今期內容

<ul style="list-style-type: none"> <li>• “New Normal amid COVID-19”</li> <li>• Theme Story: EWB Global Citizenship Programme</li> <li>• Theme Story: Urban Sustainability</li> <li>• Projects Update</li> <li>• Fundraising for EWB-HK Development</li> <li>• News</li> <li>• Volunteers Recruitment</li> </ul>	<ul style="list-style-type: none"> <li>• 【疫情中的新常态】</li> <li>• 主題故事 – EWB 全球公民計劃</li> <li>• 主題故事 – 城市可持續發展</li> <li>• 項目進展</li> <li>• EWB-HK 籌募發展經費</li> <li>• 最新消息</li> <li>• 義工招募</li> </ul>
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The Newsletter of EWB Hong Kong

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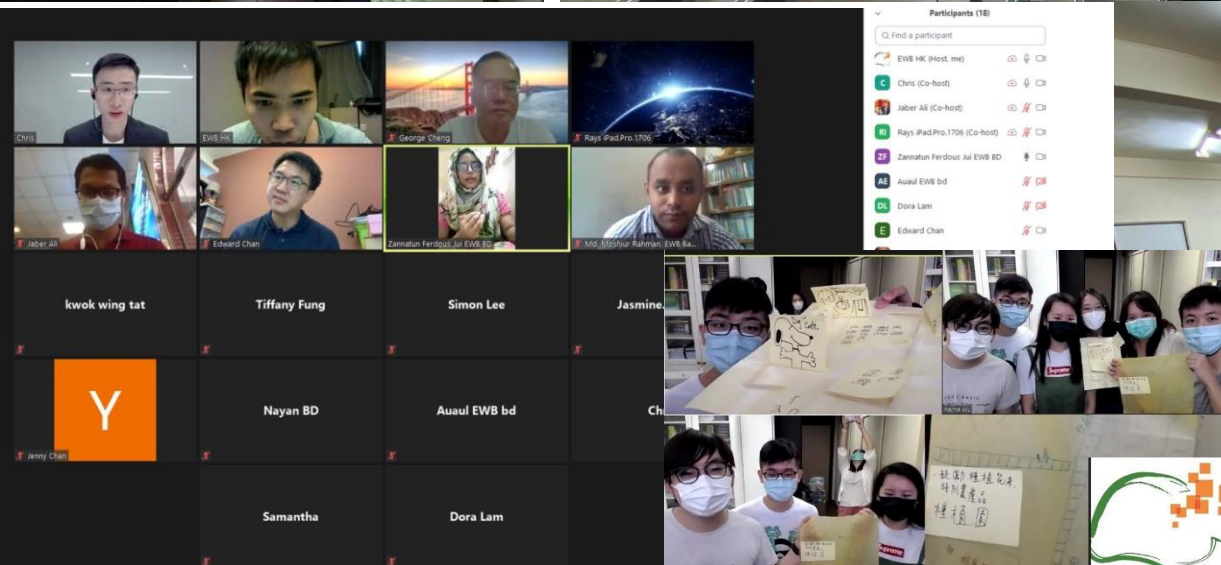


## EWB-HK operation under Covid-19



*New normal...*

- *Face-to-face events with masks and social distancing*
- *Online events*



## HONG KONG

### October 2019 Project completion

Social services sector in Hong Kong is catching up the pace of rapid social and demographic changes. This is the 1<sup>st</sup> co-work space and learning center in Hong Kong for the young-old, renovated from an originally traditional young-old community center.

EWB Hong Kong have supported the renovation project since its inception, design, construction to handover stages.

**Partner with:**  
**Hong Kong Society for  
the Aged**

(a charity registered in Hong Kong)



Technical Support to a Young-old Community  
Center Refurbishment Project

## HONG KONG

January 2020

### Lai Chi Wo 荔枝窩

River & Farmland Flood  
Mitigation Engineering  
Project  
河道及農田水浸改善工程項目

**Partner with:**  
**Hong Kong Countryside  
Foundation**

(a charity registered in Hong Kong)



Team members from EWB  
Hong Kong Projects  
Committee, Young Members  
Group and EWB Global  
Citizenship Programme



## HONG KONG

October 2020

### Lai Chi Wo 荔枝窩

River & Farmland Flood  
Mitigation Engineering  
Project  
河道及農田水浸改善工程項目

*Partner with:*  
**Hong Kong Countryside  
Foundation**  
(a charity registered in Hong Kong)

Follow up visit to the river site  
With the team of pro bono engineers from  
EWB Hong Kong



## HONG KONG

June 2020 - ongoing

*Partner with:*

### **Very Hong Kong Foundation**

(a charity registered in Hong Kong)

### **Wu Zhi Qiao Charitable Foundation**

(a charity registered in Hong Kong)

Technical Supports to two Local NPOs  
on two Development Projects  
- Planning Stage and Feasibility Study



## OVERSEAS

### EWB Hong Kong with EWBs in Asia



Urban Slum Sharing Workshop (Webinar)  
25 July 2020 | 4:00pm-5:30pm(1.5hr)



EWB HK  
Chris Tsui

EWB  
Bangladesh  
Jaber Ali



Date: 30 October 2019 | Time: 7:30-9:30pm |  
Venue: Rm 503, I+Plus Development and  
Exchange Centre, HKPA, 38 Nelson Street, MK |

**Yangon, Myanmar, Hlaing Tharyar Township**  
Slums and informal settlements continue to proliferate across Myanmar, even in Yangon city. Basic sanitation infrastructure/ facilities including basic drainage, waste disposal facilities, electricity and clean water supply are almost non-existent.

**We Need You**  
We are now recruiting Pro Bono Engineers and volunteers mainly responsible for hygiene and sanitation education, project development and management, providing expertise to establish and meet project needs, site survey and engineering design.

無國界工程師  
Engineers  
Without Borders  
hongkong



Application Form:  
<https://forms.gle/thWWexL85XnKtWr5>



## OVERSEAS

### EWB Hong Kong with EWBs in Asia

*Joint Webinar*  
- EWB Philippines  
- EWB Hong Kong



ENGINEERS WITHOUT BORDERS PHILIPPINES

# Integrating Social Sciences and Humanities in Engineering

Mr. Raymond Lopinski  
Director  
Engineers Without Borders - HK

Dr. Segundo Romero Jr.  
Professorial Lecturer  
Ateneo De Manila University

13 Oct  
8-930pm  
PHT

Register at:  
[link.xperto.ph/ewbph4](https://link.xperto.ph/ewbph4)

In partnership with: XPERTO INHINYERO.org



Anonymous 0 | 👍

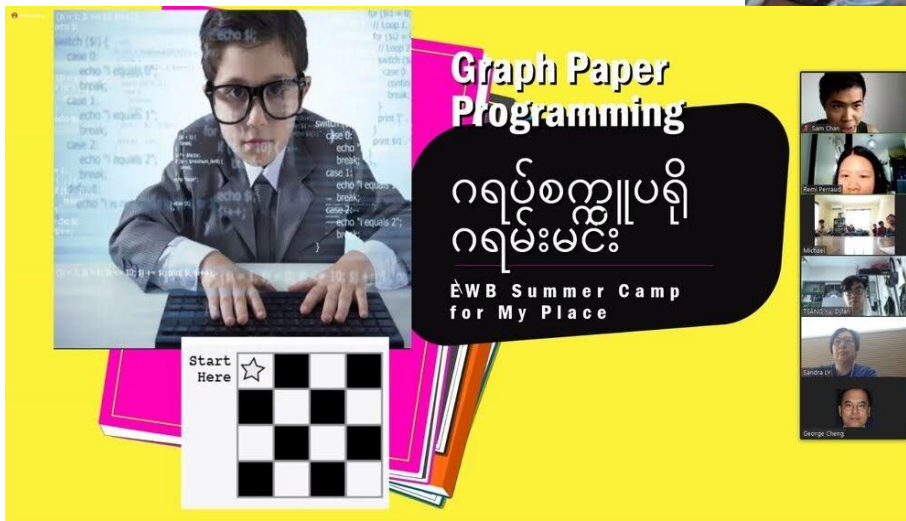
**What are the secrets to a successful GOOD Engineer?**

## OVERSEAS

### Online Training to students in Myanmar

*Partner with:*  
**My Place**

(a charity registered in Hong Kong)

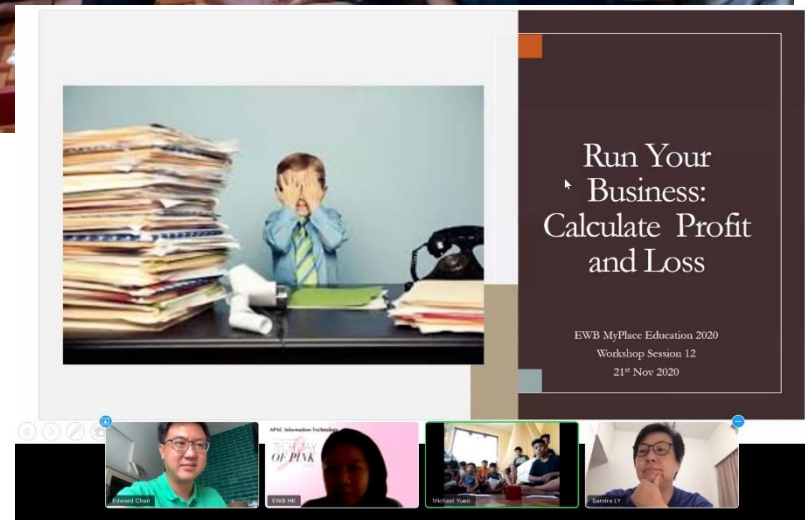


Graph Paper Programming

ဂရပ်စက္ကူပရိုဂရမ်မင်း

EWB Summer Camp for My Place

Start Here



Run Your Business: Calculate Profit and Loss

EWB MyPlace Education 2020  
Workshop Session 12  
21st Nov 2020



## OVERSEAS

### Joint Webinar with the Federation of Myanmar Engineering Societies

### BIM for Smart City Development - Experience and Roadmap in Hong Kong



## Myanmar x Hong Kong Joint Technical Webinar

### EWB-HK Urban Sustainability Series: Webinar from Hong Kong and Myanmar

10 October 2020 (Saturday)  
3:00pm (Hong Kong Time)  
1:30pm (Myanmar Time)

Webinar format: Online via ZOOM  
(organized from Myanmar side)  
Language: English  
Fee: Free

Seminar Rundown (Hong Kong Time):  
3:00pm Opening speech  
3:10pm Webinar by Hong Kong  
4:15pm Webinar by Myanmar

### Webinar on BIM for Smart City Development - Experience and Roadmap in Hong Kong

#### Guest Speaker (Hong Kong):

Mr. Ron Ng

Manager, Construction Industry Council, Hong Kong  
(BIM Division <https://www.bim.cic.hk/en>)

Mr. Ng is an expert in BIM, now serving in the Construction Industry Council and mainly responsible for BIM promotion and Implementation across industries. Mr. Ng is a Chartered Engineer, professional member of the Hong Kong Institute of Building Information Modelling, member of the Chartered Institute of Building, Institution of Engineering and Technology and member of the Asian Institute of Intelligent Buildings.

#### Highlights

- Overview of BIM adoption in Hong Kong
- Successful cases in building and infrastructure sectors
- New technologies in BIM for Smart City Development
- Roadmap of industry collaboration and resource support on BIM adoption in Hong Kong

### Webinar on Post Tensioning System for Buildings and Current Market Situation in Myanmar

#### Guest Speaker (Myanmar):

Ms. Win Mon Mon Lwin

ASEAN Engineer  
Joint Treasurer, Young Engineer Committee, Fed. MES  
Joint General Secretary, Water Supply & Sanitation Engineering Technical Division, Fed. MES  
Managing Director, United Civil Structural Designers Co., Ltd. (UCSD), Myanmar



Organizers:  
Young Engineer Committee, Federation of Myanmar Engineering Societies  
Engineers Without Borders (Hong Kong)



Registration  
<https://forms.gle/mubqBjKvxd1vmlV9j>



## Urban Sustainability

城市韌性  
Urban Resilience

氣候公義  
Climate Justice

環保建築  
Green Building



EWB-HK 城市可持續發展系列

與武哥對話：氣候變化與可持續未來

Dialogue on Climate Change and Sustainable Future

2020 . 5 . 17

主辦機構：  
無國界工程師  
Engineers  
Without Borders

支持機構 (排名不分先後):



場地贊助：  
商務印書館  
THE COMMERCIAL PRESS



### Link to Webinar videos 網絡研討會視像節目

<https://www.youtube.com/watch?v=X6qyyzX5yYg&list=PL6uTXQvMnH9rWzEzQypDkoscjDQg5j17X>

與武哥對話  
氣候變化與可持續未來

01. 序 - Introduction

梁榮武教授  
前天文台助理台長

與武哥對話  
氣候變化與可持續未來

02. 城市韌性 Urban Resilience

Ms. Jenny Chan

與武哥對話  
氣候變化與可持續未來

03. 環保建築 Green Building

Ms. Melody Wong

與武哥對話  
氣候變化與可持續未來

04. 氣候公義 Climate Justice

Ms. Angel Li

與武哥對話  
氣候變化與可持續未來

05. 自由討論 Open Discussion

## Urban Sustainability

## Dialogue with Mo: Climate Change and Sustainable Future 與武哥對話：氣候變化與可持續未來 17 May 2020



11 SUSTAINABLE CITIES  
AND COMMUNITIES



Webinar and filming supported by volunteers from EWB Hong Kong



## Urban Sustainability

*EWB Hong Kong's presence in the:*

UN Habitat  
10<sup>th</sup> World Urban Forum  
Abu Dhabi, UAE  
8-13 Feb 2020

The theme of the forum is  
“Cities of Opportunities,  
Connecting Culture and  
Innovation”.

聯合國人居署  
第十屆世界城市論壇  
阿拉伯聯合酋長國.阿布紮比  
2020年2月8日至13日

論壇主題為「機遇之城：聯結文化與創新」。



## EWB Hong Kong on Health issue

### Support to Covid-19 Challenge Event MITNode HealthHACK 2020

25 April 2020

Student teams from EWB Hong Kong HKUST student chapter and other HKUST students participated the HealthHACK

*Organizer:*

**MIT Innovation Node, Hong Kong**

Partners:    



Powered by: 

**MITNode**  
**HealthHACK**  
**2020 URBAN HEALTH**

**COVID-19 CHALLENGE**  
**APR 25 (SAT) | 0900-1700**  
**SOCIAL, PHYSICAL & EMOTIONAL WELLNESS**

Supporting Organizations:



## EWB Hong Kong on Health issue

### EWB GCP x THEi Health Care

GCP Alumni, Idorenyin IWE, conducted the "Case Sharing for Student Project on Health Promotion" to health care undergraduate students.

16 October 2020  
THEi campus, Tsing Yi, Hong Kong



### EWB Global Citizenship Programme

## EWB Global Citizenship Programme x Thei Health Care

### Case sharing for Student Project on Health Promotion

ST125201 BSc (Hons) in Health Care SHC5312 Primary Health Care & Health Promotion

16 October 2020 (Friday)

Technological and Higher Education Institute of Hong Kong (Thei) Campus, Tsing Yi, Hong Kong  
16:00

#### Outlines

1. United Nations Sustainable Development Goals #3 and #11 on habitat and public health related indicators
2. Urban issues
3. Slum issues

#### Guest Speakers

**Idorenyin IWE**  
Alumni, EWB Global Citizenship Programme

Idorenyin IWE is a social entrepreneur, co-founder, and scientist. He holds a bachelor's degree with honors in Mechanical Engineering, MSc with honors in Science and Materials of Solar Energy from the National University of Science and Technology, Moscow - Russia, and currently studying for a PhD in Mechanical and Aerospace Engineering at the Hong Kong University of Science and Technology.

Idorenyin IWE has worked in different academic and professional areas including research in heating, ventilating, air-conditioning, and refrigeration (HVAC&R); solar cookers; photodiodes (solar cells); optoelectronics; and biosensors. His wealth of experience derived from working in distinct laboratories and facilities in different parts of the world has granted him the opportunity to interact and integrate with diverse people internationally in a bid to contribute to solving global problems.

What he does is inspired by his undying passion to giving back to the global society via the involvement in entrepreneurship and sustainable energy projects, as he strongly believes in a better world that would vastly accommodate our children in such a manner that their minds would be broadened and shaped to meet the needs of generations after them. You are welcome to connect with him on <https://www.linkedin.com/in/iwe/>

Supported by Ir Edward Chan  
Chairman, Engineers Without Borders Hong Kong



EWB Global Citizenship Programme

is a programme organized by the Engineers Without Borders (Hong Kong)  
with the supports by the programme partners and supporters

2018  
2019  
2020  
2021  
...

**EWB Global Citizenship Programme 2019**

**EWB全球公民計劃 2019**



## EWB Global Citizenship Programme 2019

### Award Ceremony December 2019

#### GCP 2019

16 students  
from CityU,  
HKUST and PolyU

#### Appreciation to our Volunteers and Supporting Organizations:

Organizing Committee

**10** persons

Speakers in Stage 1  
Orientation and  
Workshops

**9** persons

Mentors

**3 + 4** p

Supporting engineers  
and students helpers  
from MES

**8** persons

Partner  
Organization

**2**

Supporting  
Organizations for  
GCP Programme

**7**

Supporting  
Organizations /  
Individual for  
seminars, visits  
interviews, tour

**10**







## EWB Global Citizenship Programme 2020

### EWB全球公民計劃 2020

#### Supporting Organizations:



#### Appreciation to our Participants:

13

students from  
CityU & HKUST



#### Appreciation to our Volunteers and Supporting Organizations:

Organizing  
Committee

6 persons

Speakers in  
Stage 1  
Orientation and  
Workshops

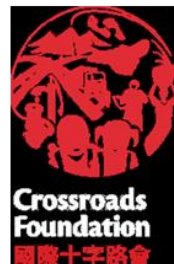
8 persons

Supporting  
Organizations for  
GCP Programme

7

Supporting  
Organizations /  
Individual for  
seminars, visits  
interviews, tour

19



## EWB Global Citizenship Programme 2020

### EWB全球公民計劃 2020



Oct 2019	Nov 2019	Dec 2019
<ul style="list-style-type: none"> <li>• Launch of GCP2020</li> <li>• Programme Promotion</li> </ul>	<ul style="list-style-type: none"> <li>• Recruitment</li> </ul>	<ul style="list-style-type: none"> <li>• Briefing &amp; Interview</li> </ul>

Jan 2020	Feb-Mar 20	Apr 2020	Jun 2020	Jul 2020	Sept 2020
<ul style="list-style-type: none"> <li>• Orientation</li> <li>• Seminars &amp; Workshops</li> </ul>	<ul style="list-style-type: none"> <li>• Seminars &amp; Workshops</li> <li>• Desktop Learning Project</li> </ul>	<ul style="list-style-type: none"> <li>• Seminars &amp; Workshops</li> </ul>	<ul style="list-style-type: none"> <li>• Hong Kong Services Projects (5)</li> <li>• Workshops</li> </ul>	<ul style="list-style-type: none"> <li>• Industrialization Workshop</li> </ul>	<ul style="list-style-type: none"> <li>• Award Ceremony</li> </ul>

### Program Content

- 7 ZOOM Workshops (15 Hrs)
- 2 Face-Face Workshops (4.5 Hrs)
- Industrialization and Design Thinking Training Workshop (8 Hrs)
- 5 Local Community Service Excursions (32 Hrs)
- Award Ceremony

### Diversity

- 13 Students
- 7 Females / 6 Males
- 2 Universities
- 2 Continents
- 4 Countries
- 9 Engineering Disciplines
- 1 Science

## Stage 1: Build Up Stage (Workshop Learning)

1. Orientation, Introduction, Overview
  - A. Self Introduction; Program Overview
  - B. Sharing of SDG Impact
  - C. Desktop Research Topics
2. Local Issues – HK Poverty
3. UN SDGs - Inequality and Poverty
4. Change and Power / Homeless
5. How We Can Do Better! – Problem Analysis
6. Design Thinking



### Content

- Engineering and Leadership
- Orientation
- Self Awareness
- Development
- UN SDG's

Awareness Building  
Capacity Building  
Network Building

### What is an Engineer?



### What is a Humanitarian?



# GCP20 – How Can We Do Better? (Problem Analysis) Workshop 5



Engineers Without Borders (Hong Kong)

## Types of power

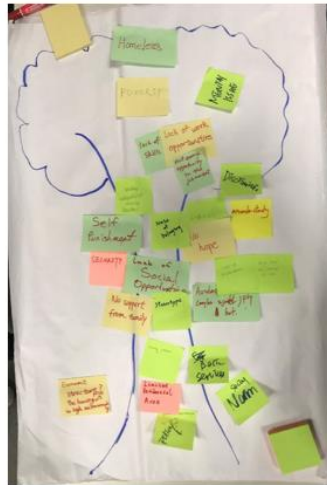
**Power over:** the power of the strong over the weak, including the power to exclude others.

**Power to:** the capability to decide actions and carry them out.

**Power with:** collective power, through organisation, solidarity and joint action.

**Power within:** personal self-confidence, often linked to culture, religion or other aspects of identity, which influences the thoughts and actions that appear legitimate or acceptable.

**Power to empower:** convening power, facilitating changing process.

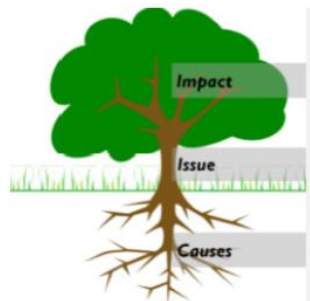


## Content

- Systems and Power
- Problem Analysis
- Root Cause Analysis
- Theory of Change
- Power Dynamic

## Exercise – homelessness in HK

- What are the problems? How would the problem influence whose life? What are the causes? Who would you consult in your assessment process?
- Does this analysis represent the reality? Are the economic, political and socio-cultural dimensions of the problem considered?
- What are the most serious consequences? Which are of most concern?



## Awareness Building Capacity Building



# GCP20 - Impact HK Homeless (Kindness Walk) HKCS1 - HK Community Service



Engineers Without Borders (Hong Kong)



“To look down to the real situation”



“I understand what is the exact difficulty which poor people are faced with.”

“By reaching out through kindness, ImpactHK seeks to transform the lives of the homeless – one life at a time”



**IMPACT HK**

# GCP20 - Crossroads Foundation Introduction / X-Perience HKCS2 - HK Community Service



Engineers Without Borders (Hong Kong)



"It not only helps me to understand challenges blind people are facing with, but also reminds me of what they are capable of."



"Crossroads become a kind of spirit instead of organization to me."



201700  
**THE ONLY**  
201600  
**THING WORSE**  
201500  
**THAN BEING BLIND**  
201400  
**IS HAVING SIGHT**  
201300  
**AND NO VISION**

The old proverb says: I cannot understand a man until I have walked a mile in his shoes.  
When people participate in Global X-periences, they do not watch a video or listen to a presentation about global issues. They take a few steps 'in the shoes' of people in need.

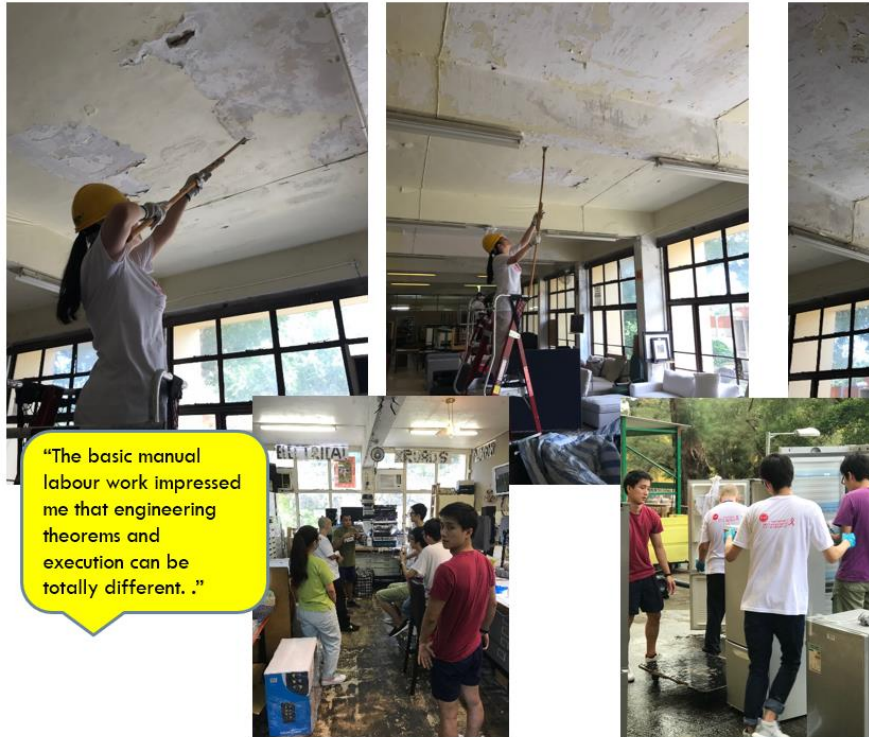


## GCP20 – Crossroads Foundation Volunteering HKCS3 - HK Community Service

## GCP20 – WEEE / EcoPark HK Waste Management HKCS5 - HK Community Service

Engineers Without Borders (Hong Kong)

Engineers Without Borders (Hong Kong)



"We must think about circular economy to help bring back lives to sustainability."

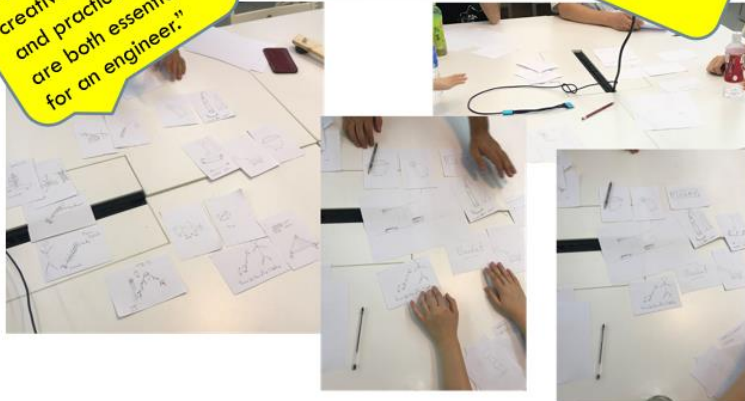
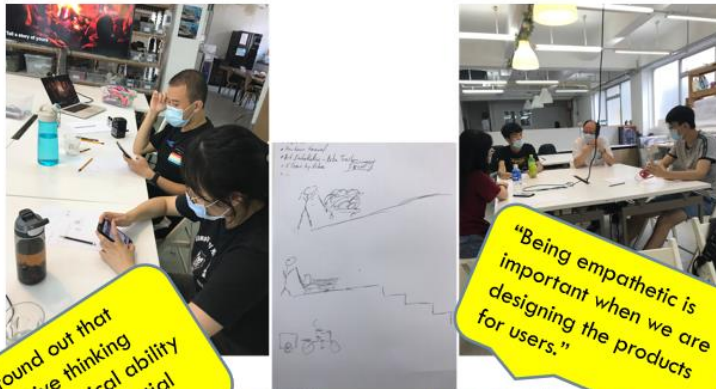


# GCP20 – MakerBay Industrialization & Design Thinking (2) Industrialization WorkShop

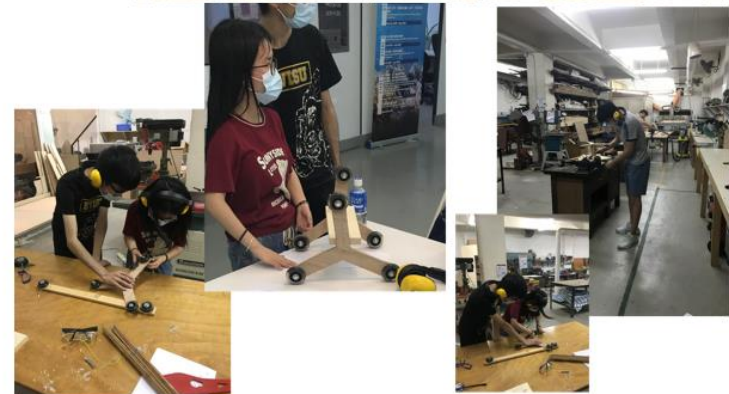
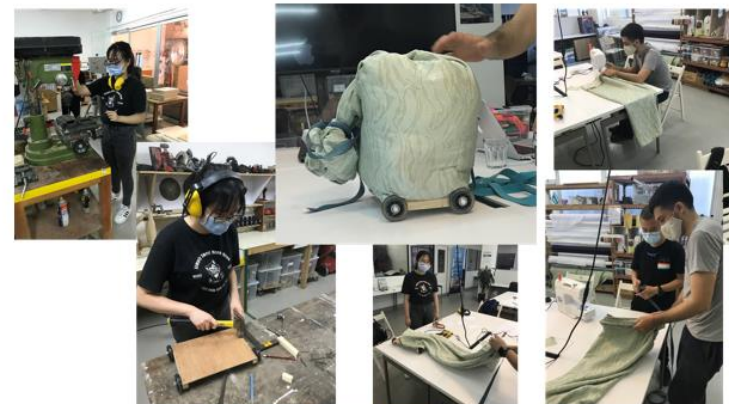


Engineers Without Borders (Hong Kong)

## Ideation



## Prototyping







## EWB Global Citizenship Programme 2021

## EWB全球公民計劃 2021



**GCP2021 Interview**

***Confirmed participants for the GCP 2021:***

***Over 20 undergraduate and postgraduate engineering and science students originated from 8 regions and now studying in 5 tertiary institutions in Hong Kong***



## VOLUNTEERS GATHERING

EWB Hong Kong  
Christmas Party  
December 2019



EWB-HK Christmas Party 2019



MERRY CHRISTMAS 2019 &  
HAPPY NEW YEAR 2020

TO MEMBERS, VOLUNTEERS AND FRIENDS OF EWBHK

MAY CHRISTMAS AND NEW YEAR BRING  
YOU JOY, PEACE AND HAPPINESS!

EWB HONG KONG



## EWB Hong Kong gathered with EWB Singapore @Singapore

February 2020

## VOLUNTEERS GATHERING at Lai Chi Wo "Da Ji Festival"

December 2019

Lai Chi Wo "Da Ji Festival",  
once in a decade  
荔枝窩太平清醮。十年一度



## In-kind Donation from the Industry

Safetech Limited donated 6 boxes of personal protective equipment (PPE) to EWB Hong Kong in September 2020, including safety helmet, gloves, safety goggles, etc., that can be used by our volunteers in the forthcoming engineering services in Hong Kong and overseas.

*Donor:*

**Safetech Limited**



安全科技有限公司  
SAFETECH LIMITED



**Appreciation !!**

Engineers Without Borders (Hong Kong) Limited

## Annual Report

無國界工程師(香港)有限公司

週年報告

2019 - 2020



# Thank you !

### Engineers Without Borders . Hong Kong

Website: [www.ewb.hk](http://www.ewb.hk)

Facebook: <https://www.facebook.com/EWBHK>

Youtube: <https://www.youtube.com/channel/UCvqeVg1PmESgW4z4GMu1MTw>

Annual Reports and Newsletters: <https://www.ewb.hk/about-us-en>