

DEPARTMENT OF

Civil Engineering

土木工程系 Newsletter



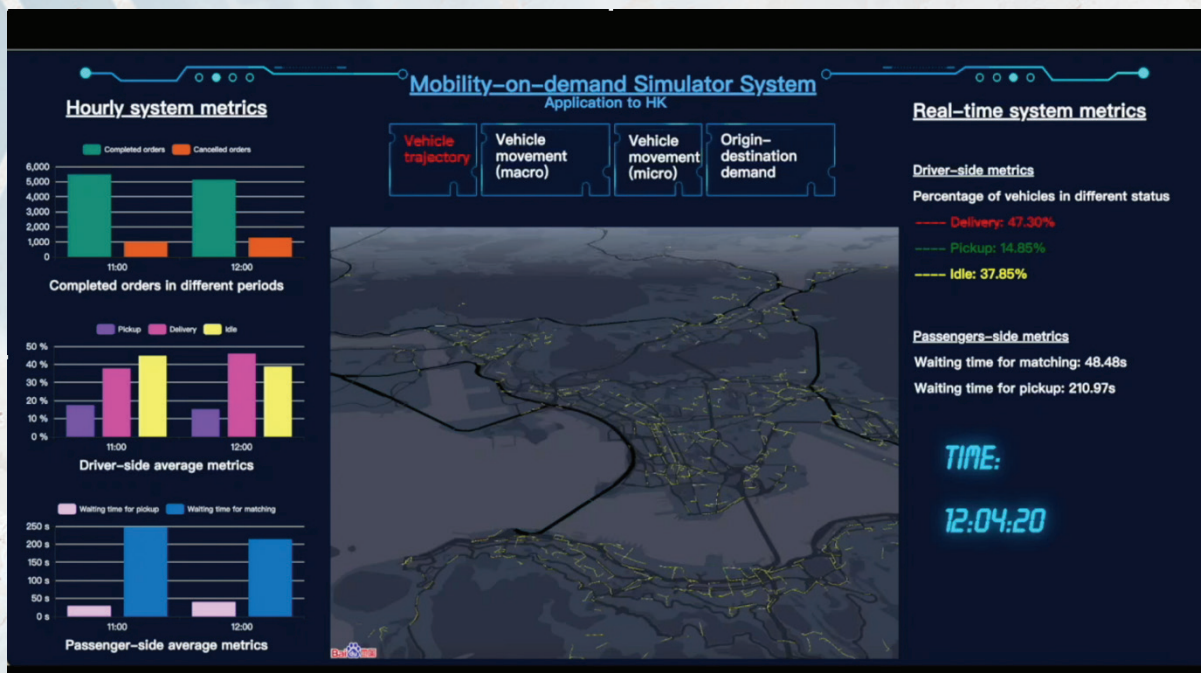
THE UNIVERSITY OF HONG KONG

MARCH 2023 - AUGUST 2023

A multi-functional simulation platform for on-demand ride service operations

We sit at the cusp of a transportation revolution, as on-demand ride services offered by companies like Uber, Lyft, and Didi reshape how we travel. While numerous mathematical models and optimization algorithms have been developed to improve operational efficiency, validating these models in real-world scenarios often proves infeasible due to cost and reliability issues.

To overcome these hurdles, Dr. Jintao Ke and his research group present a groundbreaking, multi-functional, open-source simulation platform for ride-sourcing systems. This platform simulates the behaviors and movements of various agents, including drivers and passengers, on a real transportation network, creating a reliable test bed for algorithm training, testing, and model validation. Designed with user-accessibility in mind, our platform allows for the training and testing of various optimization algorithms, particularly reinforcement learning algorithms. It caters to a range of tasks, such as on-demand matching, idle vehicle repositioning, and dynamic pricing. Furthermore, it offers the capability to test how well theoretical models approximate simulated outcomes. Evaluated on real-world data-based experiments, our platform proves to be an efficient and effective tool in the quest for operational efficiency in on-demand ride service operations. Join us as we delve into this game-changing platform and explore how it is set to revolutionize the ride-sourcing industry.



Code Link: https://github.com/HKU-Smart-Mobility-Lab/Transportation_Simulator.git

Departmental Event

The Twelfth Lumb Lecture

Professor Peter Lumb was a pioneer, educator and builder of geotechnical engineering in Hong Kong. He taught at the Department of Civil Engineering from 1954 to 1986 and developed his thirty-two years of distinguished academic career in Hong Kong. To mark his contributions, the Department of Civil Engineering and HKIE Geotechnical Engineering Division established a distinguished lectureship known as “The Lumb Lecture”. The lecture is delivered biennially by an internationally recognized expert in geotechnics. The Twelfth Lumb Lecture was presented by Dr. Suzanne Lacasse of the Norwegian Geotechnical Institute (NGI) in the evening of June 27, 2023.

The title of this 12th Lumb Lecture is “Risk assessment and management: Necessary insight to reduce landslide risk”. Ir Professor C.F. Lee introduced Professor Peter Lumb and the 12th Lumb Lecture. Ir Dr. Gavin Toh, Chairman-Elect, The HKIE Geotechnical Division, introduced Dr. Lacasse. After the lecture, Ir Dr Raymond Cheung, Head of the Geotechnical Engineering Office, presented the vote of thanks to this lecture. Ir Professor Francis Au, Head, Department of Civil Engineering, HKU, presented the souvenir to Dr. Lacasse. Ir Professor Z.Q. Yue chaired this 12th Lumb Lecture. 112 participants joined the Lecture physically in Rayson Huang Theatre while 153 participants attended online. More details including the lecture powerpoint can be found in the Departmental web page: <http://www.civil.hku.hk>.



Welcome by Ir Professor C.F. Lee.



Ir Dr. Gavin Toh introduced Dr. Suzanne Lacasse.



Ir Dr. Raymond Cheung delivered the vote of thanks.



Ir Professor Francis Au presented the souvenir to Dr. Suzanne Lacasse.



Strategic Public Policy Forum: Enhancing Modular Integrated Construction (MiC) Supply Chain in the Greater Bay Area for Hong Kong Development

The Centre for Innovation in Construction and Infrastructure Development (CICID) and the MiC Laboratory (MiCLab) of the Department of Civil Engineering, The University of Hong Kong (HKU) held a Strategic Public Policy Forum titled “Modular Integrated Construction (MiC) Supply Chain in the Greater Bay Area for Hong Kong Development: Preliminary Policy Roadmap and Action Plan” on August 30, 2023. The event gathered prominent speakers from government, industry and academia to share state-of-the-art research, practices and policies for enhancing the MiC supply chain.



VIP Guests at the Forum, including representatives from government bureau and departments and the industry, and speakers.

Professor Wei Pan, Acting Executive Vice-President (Administration & Finance) of HKU and Director of MiCLab, delivered the Welcome Remarks. He emphasized the significant growth in MiC adoption in Hong Kong since 2017, but noted that the MiC supply chain faces various technical and management challenges.

“This Strategic Public Policy Research project aims to establish a favourable business environment and recommend a policy roadmap with an action plan for enhancing the MiC supply chain in the GBA for HK development. The forum as part of this research project is to share the preliminary policy roadmap and key findings of the project and to collect feedback from wide stakeholders. The insights and connections forged during this event will contribute to the advancement of not only the MiC supply chain but also the development of a more productive industry and sustainable built environment,” said Professor Pan.

Ir Ricky Lau, J.P., Permanent Secretary for Development (Works) of the Development Bureau, HKSAR Government, delivered the Opening and Keynote speech. "CICID is an unfailing partner in supporting government's initiatives in promoting MiC. This Forum today is a very timely occasion that brings together different industry leaders to offer views on how to enable the healthy development of MiC supply chain in the GBA. The forum represents the collaborative effort of the whole industry in developing the MiC technology and transforming our construction process", he said.

Other distinguished speakers included Mr. Jianming Liang, President of the Guangdong Construction Industry Association; Ir Dr. Conrad Wong, B.B.S., J.P., Vice Chairman of Yau Lee Holdings Limited; Mr. Michael Li, J.P., Deputy Director of Architectural Services, Architectural Services Department, HKSAR Government; Dr. David-John Gibbs, Director (Infrastructure Advisory) of Ernst & Young Transactions Limited; and Mr. Kun Ding, Executive Director of Yahgee Modular Building Co. Ltd. They shared their expertise, experience and insights regarding the MiC supply chain in the GBA to facilitate Hong Kong's development.

In addition, witnessed by Ir Ricky Lau, Permanent Secretary for Development (Works), and Professor David Srolovitz, Dean of Engineering of HKU, Director of MiCLab Professor Wei Pan and Mr. Michael Li, Deputy Director of Architectural Services of HKSAR Government jointly signed the Memorandum of Understanding to strengthen the Government-University collaboration on exploring opportunities to develop and promote the effective use of MiC and to support the research and development of MiC in Hong Kong and the Greater Bay Area, followed by the launch of a study on MiC safe lifting supported by the Development Bureau.



Memorandum of Understanding signing between ArchSD and MiCLab.

The Second Greater Bay Area Symposium on Membranes and Membrane Processes and The Second International Separation and Purification Technology Symposium

Professor C.Y. Tang, Dr. Z. Yang, and Dr. P-F Sun organized the Second Greater Bay Area Symposium on Membranes and Membrane Processes and The Second International Separation and Purification Technology Symposium. This

joint meeting, held online during May 20-22, 2023, also receives supports from the Journal of *Separation and Purification Technology* and Tongji University. The meeting has attracted more than one thousand attendees online.

Staff Awards/Activities/News

Staff Awards

Dr. Xiao Li and his supervised student were awarded two CRIOCM Best Paper Award on August 6, 2023. There are only four winners among 222 accepted papers. The CRIOCM conference is a pivotal international event in construction management and real estate. It has been held for the 29th. The awarded papers are entitled "Generation for configuration: A conceptual paradigm of a natural language-based configurator for modular buildings with ChatGPT" and "A reinforcement learning framework for maximizing net present value of stochastic multi-work package project scheduling problem".



Professor C.Y. Tang received the Outstanding Researcher Award of The University of Hong Kong.

Dr. Yang Zhe, a Research Assistant Professor working with Professor C.Y. Tang, has won the First Prize of the Water 2023 Young Investigator Award by the *Water* journal.

Dr. Peng Lu, a RGC Postdoctoral Fellow working with Professor C.Y. Tang, has received the Young Membrane Scientist Award from the Journal of *Separation and Purification Technology* (Elsevier).

HKIE Grand Award 2023

The leading role of HKU team in sewage surveillance in the fight against the COVID pandemic had been appreciated in the official speech of the former Chief Executive Miss Carrie Lam on December 30, 2021. Professor Tong Zhang and his research group developed the testing methodology for SARS-CoV-2 in sewage with collaboration of researchers of School of Public Health of HKU, and designed the whole surveillance system from the sampling strategy, to lab testing and data interpretation with the strong supports from different government departments, including Drainage Services Department (DSD), Environmental Protection Department (EPD), etc.

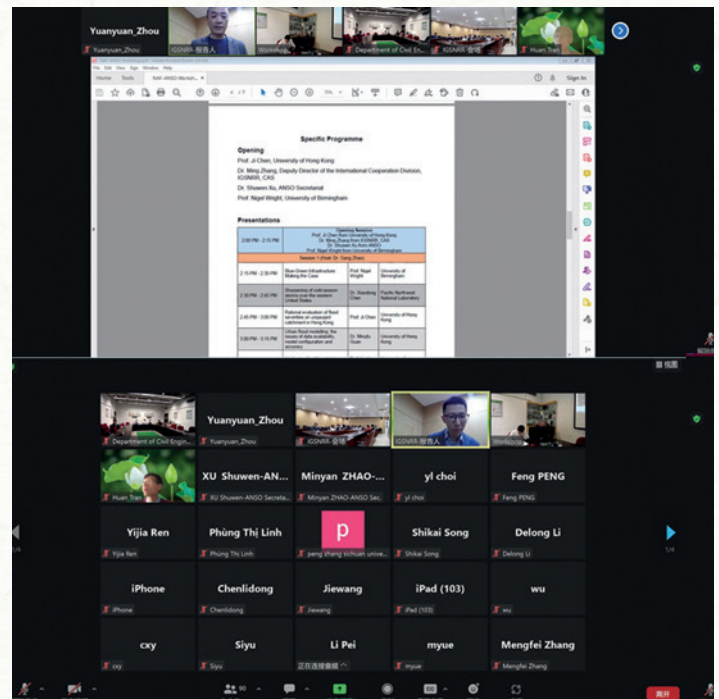
Sewage sampling is the first step of the sewage surveillance. Usually, the conventional samplers for sample collection are large in size, difficult to set up and even block the major pedestrian walkways, causing inconvenience to the public. The team of Professor Zhang, with the help of EPD and DSD, designed new auto-samplers that can be installed underneath a manhole cover, thus more applicable to manholes on both pedestrian walkways and carriageways for the sample collection. The new auto-sampler save the setup time and manpower, and reduce the footprint of the auto-sampler and minimize the impact on the traffic, making large-scale implementation of sewage surveillance possible in Hong Kong.

This customizable in-manhole sampling device was awarded Gold Medal in the International Exhibition of Inventions of Geneva 2022, and also recently got the HKIE Grand Award 2023.



Staff Activities

Dr. M.F. Guan co-organised the International Workshop on “Building Resilience to Water-related Hazards” sponsored by the Newton Advanced Fellowship (NAF) and the Alliance of International Science Organizations (ANSO) collaborative research project on April 13, 2023. The workshop is co-hosted by The University of Hong Kong and the Institute of Geographic Sciences and Natural Resources Research (IGSNRR, CAS). More than 100 experts and specialists from The University of Hong Kong, IGSNRR CAS, ANSO, University of Birmingham, and worldwide attended the workshop. This international and interdisciplinary workshop focuses on extreme events and covers a variety of aspects of flooding issues including infrastructure design, hydrodynamic modeling, data availability, projection uncertainty, dam failure, nature-based solutions, and climate change impacts. Professor J. Chen delivered opening speeches for the workshop and gave a presentation on “Rational evaluation of flood severities an ungauged catchment in Hong Kong”. Dr. M.F. Guan chaired the workshop and gave a presentation on “Urban flood modelling: the issues of data availability, model configuration and accuracy”.



Dr. Xiao Li was invited by Professor Dr.-Ing. Frank Petzold, the chair of architecture informatics from the Technical University Munich under the HK/Germany Joint Research Scheme and delivered a seminar on August 14, 2023 with the topic of “Unlocking the Power of Language Models: Artificial Intelligence for Smart Configuration in Architecture, Engineering, and Construction (AEC) Industry.” After the seminar, they discussed potential collaboration opportunities in European research project and joint research fund between China and Germany.



Professor C.Y. Tang

- delivered a Keynote Speech entitled “Rethink the role of roughness in membrane fouling” at the 15th Global Chinese Chemical Engineers Symposium (GCCES-2023), August 5-9, 2023, the Hong Kong University of Science and Technology, Hong Kong.
- delivered a Keynote Speech entitled “Nanofiltration membranes with crumpled polyamide films: Transport mechanisms and performances” at the 2023 International Congress on Membranes and Membrane Processes, July 9-14, 2023, Chiba, Japan.

- delivered an Invited Speech entitled “Does surface roughness necessarily increase the fouling propensity of polyamide reverse osmosis membranes?” at the 11th International Conference on Materials for Advanced Technologies, June 26-29, 2023, Singapore.
- delivered a Global Chair Public Lecture entitled “Membranes for sustainable water supplies”, June 20, 2023, the University of Bath, UK.
- delivered a NTU-CEE Distinguished Seminar entitled “Breaking the permeability-selectivity trade-off of thin-film composite reverse osmosis and nanofiltration membranes” at Nanyang Technological University, May 5, 2023, Singapore.

Professor Jun Yang

- delivered a Keynote Lecture entitled “15 Years after the Wenchuan Earthquake: Some Reflections on Seismic Codes” at the 6th Huixian International Forum on Earthquake Engineering for Young Researchers held at the Hong Kong Polytechnic University on August 6-9, 2023.



- delivered the Xuhua Distinguished Lecture entitled “To See a World in a Grain of Sand: A Geotechnical Researcher’s Perspective” at Shanghai Jiao Tong University on June 14, 2023.
- delivered the SUSTech Engineering Distinguished Lecture entitled “To See a World in a Grain of Sand: A Geotechnical Researcher’s Perspective” at the Southern University of Science and Technology on June 1, 2023.



- gave invited seminars, entitled “Mohr-Coulomb Model: Familiar or Confused?” at Sun Yat-Sen University, Zhejiang University, Zhejiang University of Technology, Zhejiang Sci-Tech, and Tongji University in May and June 2023.

Staff News

Dr. Sérgio Lourenço has completed a stay at Hokkaido University under the Japan Society for the Promotion of Science Invitational Fellowship (short-term) in July-August 2023 for research work on self-healing soils with Professor Satoshi Nishimura. Seminars were also delivered at Hokkaido and Kyoto universities and entitled ‘Surface functionalization and microcapsules for tunable soil properties’.

Professor C.Y. Tang

- has been conferred a chair professor title with effect from July 1, 2023.
- has been named among the top 100 best scientists in Engineering and Technology (79th globally and 7th in China) in the 2023 Best Scientists Rankings, compiled by the globally renowned academic website, Research.com.

Professor Jun Yang was elected as President of Hong Kong Society of Theoretical and Applied Mechanics (HKSTAM) at the 26th Annual Conference of HKSTAM on April 15, 2023.

Dr. Guo Yan, a postdoc researcher in Professor C.Y. Tang’s group, has received the RGC Postdoctoral Fellowship Scheme Award from the Research Grants Council of Hong Kong.

Student Awards/ News

Student Awards

Mr. Arthur Lam was awarded the AECOM Prize for Best Final Year Geotechnical Project 2022. The prize presentation ceremony was held on June 26, 2023 in Shanghai Room I, Cordis.



Mr. Li Zhang, Ph.D. student under supervision of Professor Jun Yang, received the *Best Student Presentation Award* at the 26th Annual Conference of HKSTAM held at the Hong Kong Polytechnic University on April 15, 2023.



Ms. Liu Wenyu, a Ph.D. student working with Professor C.Y. Tang, has won the Student Poster Presentation Award at International Congress on Membranes and Membrane Processes (ICOM), July 9-14, 2023, Chiba, Japan. ICOM is the most important conference in membrane area, with more than one thousand attendees.

Dr. Peng Lu, a former Ph.D. student of Professor C.Y. Tang, won the Norman W.M. Ko Ph.D. Prize from the Faculty of Engineering, The University of Hong Kong.

Dr. Xing Xin has received the 2022 Ringo Yu Prize for best geotechnical thesis by the HKIE Geotechnical Division in an award presentation ceremony at the Cordis Hotel on June 26, 2023. The thesis is entitled 'Effect of interfacial properties in soil water infiltration' and was supervised by Dr. Sérgio Lourenço. Dr. Xing is currently employed as a Research Engineer at the Nano and Advanced Materials Institute in the Hong Kong Science Park.

Mr. Yang Zhang and Dr. Yue Teng under the supervision of Professor Wei Pan won the Best Student Paper of the Congress in the World Building Congress (WBC) 2022.

Mr. Yang Zhang and Dr. Yue Teng under the supervision of Professor Wei Pan won the Best Paper Award in the Category "Smart and Sustainable Buildings and Cities" in the World Building Congress (WBC) 2022.

Mr. Chan Chak Kwan (Grad 2022) has been awarded the Ms Chu Yuk Baw Prize in Structural Engineering and the Ms Chu Yuk Baw Prize in Civil Engineering (Capstone Design Project) 2021-22.

Mr. Chan Ho Man (Grad 2022) has been awarded the Best Student of the Year 2022.

Messrs Chan Yeung, Cheung Yun Ting, Lam Yiu Hei and Li Kei Chun (Grad 2022) have been awarded the Ms Chu Yuk Baw Prize in Civil Engineering (Capstone Design Project) 2021-22.

Mr. Hung Lap Chau (Grad 2022) has been awarded the Gammon Construction Limited Prize in Civil Engineering 2021-22.

Mr. Ip Pak Yin (CivE 3 2022-23) has been awarded the Edward Keller Achievement Award in Civil Engineering 21-22.

Mr. Jin Yuan (Grad 2022) has been awarded the Chow Che King Prize 2021-22.

Mr. Kam Chun Yu (CivE 4 2022-23) has been awarded the HKIE Geotechnical Division, LPM Contractor Scholarship 2022.

Mr. Kam Tsz Fung Marco (CivE 3 2022-23) has been awarded the Ho Lu Kwong Prize in Civil Engineering 2021-22.

Mr. Lai Chun Wing (CivE 4 2022-23) has been awarded the Centenary Scholarship for Engineering Students 2021-22 (top-up of the Tai Tung-Ngok Prize in Civil Engineering 2021-22) and the Tai Tung-Ngok Prize in Civil Engineering 21-22.

Mr. Lam Hiu Fai Arthur (Grad 2022) has been awarded the Ms Chu Yuk Baw Prize in Civil Engineering (Capstone Design Project) 2021-22 and the Champion of the AECOM Prize for Best Final Year Geotechnical Project 2022.



Mr. Li Chung Wah (CivE 3 2022-23) has been awarded the CL Tse Prize in Civil Engineering 21-22.

Ms. Ng Tsz Yin (Grad 2022) has been awarded the Ms Chu Yuk Baw Prize in Civil Engineering (Capstone Design Project) 2021-22, the Li Pai-lin Prize in Civil Engineering 2021-22, the Environmental Engineering Prize 2021-22 and the HK Cheng Prize in Civil Engineering 2021-22.

Mr. Tang Lik Yin (Grad 2022) has been awarded the Wing Lung Bank Ltd Prize in Civil Engineering 2021-22.

Mr. Wan Lap Yin (Grad 2022) has been awarded the HKIE LTD - Best Student Papers Awards 2022.

Mr. Yung Hin Wang Anthony (Grad 2022) has been awarded the Ms Chu Yuk Baw Prize in Civil Engineering (Final Year Project) 2021-22, the Centenary Scholarship for Engineering Students 2021-22 (top-up of the Civil Engineering Project Prize 2021-22) and the Civil Engineering Project Prize 2021-22.

Student News

On June 15, 2023, a group of 17 students from the Department of Civil Engineering, led by Dr. H. Ye, embarked on an educational visit to the Green Island Cement Factory at Tap Shek Kok to gain practical insights into the cement production process in Hong Kong. The three-hour factory tour proved to be a highly informative and engaging experience for the students, who were able to observe every stage of cement production, from the raw materials to the finished product. The factory staff provided a comprehensive explanation of the entire process, emphasizing the importance of green cement in achieving carbon neutrality in the construction sector. The students were particularly

impressed with Green Island Cement's commitment to reducing its carbon emission.



Research Grants

As a Co-PI, **Dr. M.F. Guan** was awarded the Young Collaborative Research Grant (YCRG) project entitled "Coastal Urban Flooding under Climate Change: Evolution Mechanisms and Intelligent Analysis", HK\$4,133,507. Dr. Duan Huanfeng from Polytechnic University is the project coordinator (PC).

Environment Conservation Fund (ECF)

Dr. J. Ke was awarded the Environment Conservation Fund (ECF) Environmental Research, Technology Demonstration and Conference Project 2022, 102/2022, "Estimating carbon emissions, assessing decarbonization strategies and managing green transportation in Hong Kong with a multifunctional simulation platform", March 1, 2024 – February 28, 2026, HK\$ 500,000.

Dr. X.W. Deng was awarded the Environment Conservation Fund of HK\$474,824. The project title is Durability Evaluation of Slag-Based Recycled Aggregate Geopolymer Concrete for Coastal Structures in Hong Kong.

General Research Fund (GRF)

Dr. C.E. Choi - Mitigating Post-fire Debris Flows using V-shaped Diversions: Large-scale Physical Modeling;

Dr. T.F.M. Chui - Incorporating Ecological Principles into Green Infrastructure Designs in Ultra-Urban Environment;

Dr. Y. Deng - Predicting antimicrobial resistance prevalence in clinically important pathogens using time-series wastewater metagenomic data;

Dr. M. F. Guan - Effects of non-stationarity and spatiotemporal variability of extreme rainfall on flood responses;

Professor W. Pan - Reducing the lifecycle embodied carbon emissions of steel modular emergency facilities through circular end-of-life strategies;

Professor W.Y. Szeto - Bilevel modeling and strategic management of conventional and autonomous bus services in a profit-maximizing market over time;

Professor S.C. Wong - Improving the reliability of urban land use and transportation planning based on a dynamic continuum modeling approach;

Professor J. Yang - Towards a better understanding of the mechanisms for flowslides: experimentation, modeling, and implications; and

Dr. Z. Zhang - Enhancing safety and efficiency of multi-crane lifts in high-rise modular construction through smart collaborative planning.

Green Tech Fund (GTF)

Dr. C.Y. Kwok has received the Green Tech Fund (GTF) of HK\$2,783,000. The project title is Low-carbon high-performance deep mixing piles for land reclamation.

About Project Mingde

Project Mingde was established by the Department of Civil Engineering in 2004. It provides an open platform for nurturing our students to acquire not only hard skills, but also to possess soft skills, such as a sense of social responsibility, by participating in real-world on-going civil engineering projects in remote impoverished regions in China and other Asian countries. We have a slogan "We grow as we build" and that is the core value of Project Mingde. Project Mingde attracts not only Civil Engineering students, but also students from other disciplines and institutions to participate in this meaningful programme. We hope that students would have personal growth through this experiential learning opportunity and participation in various real-life projects; and also education in impoverished localities in China could be provided. For more information about Project Mingde, please visit our official website at <http://www.civil.hku.hk/mingde/>.

Alumni are welcome to join Project Mingde and if you are interested to be part of us, please contact Dr. C.P. Wong at cpwryan@hku.hk (for projects) or Dr. K.H. Law at adalaw@hku.hk (for communications).

Restoration and Expansion of Guigang Duling Primary School

After the COVID-19 pandemic and the relaxation of travel restrictions to Mainland China, Project Mingde organized regular visit trips starting from March to monitor the progress and inspect the works on site.

Dr. Ryan C.P. Wong led 5 engineering students who joined the summer training programme to visit Guigang Duling Primary

School for about two weeks from June 26 to July 4, 2023. The Composite Building (with a kindergarten for early childhood education and a teacher dormitory) was completed, while the rainwater collecting and recycling system and the school fencing and retaining walls were under construction. During the visit, the students discussed with the contractor about the unfinished items and prepared an inspection report for minor refinements. Additionally, they took the opportunity to conduct home visits and interviews with the school children and their parents for the views on the new teaching facilities for the memorial booklet of this project.

All construction works are expected to be completed by early October, and a handover and opening ceremony is scheduled for October 20. The ceremony will be attended by local government officials, the project architect and contractor, teachers and students of Project Mingde, the principal and teachers of Duling Primary School, as well as the local villagers.



The construction work was at the final stage, and will be completed by October.



Students conducted home visits and interviewed the schoolchildren and parents.

Revitalization of a silo-cave in Henan

Project Mingde started a new project in Henan collaborating with Department of Architecture to preserve, renovate and revitalize a silo-cave (an underground house), which is a unique form of adaptive vernacular architecture in the Loess Plateau of north central China developed over thousands of years to address the region's limited resources and arid weather conditions. However, the challenges posed by climate change and urbanization in recent years resulted in the displacement of indigenous residents and the deterioration of these underground houses. In response, the project objective is to transform a dilapidated underground house into a vernacular public space that not only serves for sightseeing or practical use, but also connects to the local culture and history.

During this summer, 6 engineering students and 20 architecture students participated in a 3-week design-and-build workshop at a silo-cave in Xiwang Village. In contrast to the traditional manual excavation approach, the renovation of the underground house was undertaken using the cut and cover method combined with robotic 3D printing technology. This innovative approach not only reduced construction time but also provided the students with unique experiential learning opportunities. In the workshop, the students gained practical on-site experience in brickwork and reinforced concrete structure construction. To ensure that the local workers fully understood the complex architectural design of the new vernacular public space, the students created a prototype for lightweight tensile structures and various formworks and prototypes for brick arch intersections. Additionally, the students interviewed the villagers for a deeper understanding of the distinctive local culture and social customs to inform the design of the vernacular architecture.

Follow-up visits will be arranged throughout the academic year.



Your gift – of any amount – will make a difference to the students in the
Department of Civil Engineering
“WE GROW AS WE BUILD”

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Please send this form together with the cheque to Department of Civil Engineering, HW6-18A, Haking Wong Building, The University of Hong Kong, Pokfulam Road, Hong Kong

Thank you for your gift!



The silo-cave in Xiwang Village, Sanmenxia, Henan.



Students created prototypes and gained practical on-site experience in brickwork.

Rongshui Summer Camp

The annual summer camp was arranged to visit Rongshui, Guangxi from May 31 to June 4, marked the first camp held after the COVID-19 pandemic. There were 10 students in total from various departments and faculties (Engineering, Arts, Education, Business and Economics) participating in this 5-day 4-night trip. The camp provided an opportunity for the students exploring the culture and lifestyle in ethnic minority village. A range of rural experience activities were organized, including fishing, harvesting, chopping firewood, cooking with traditional tools and sightseeing. Additionally, the students paid a visit to the Wangdong Bridge, which collapsed during a severe flooding in 2016 and was restored by Project Mingde in 2020.



Name of students participated in various projects

March 4 – 6 (Guigang):

HUI Ching Kit Jacky

April 8 – 10 (Guigang):

HUI Ching Kit Jacky, LI Tsz Ying Britney, HO Yuk Pui Daniel

May 31 – June 4 (Rongshui Summer Camp):

LI Tsz Ying Britney, LI Ngai Yin, CHEUNG Hoi Yee, MAN Hoi Kei, MAK Hing Tsz Ngai (Arts), LEUNG Kai Tai (Arts), CHAN Tze Yeung (Business and Economics), SO Ho Tin (Business and Economics), TSANG Kwan Lok (Education), SZE Pandora Joy (Education)

June 26 – July 4 (Summer Training Programme):

KONG Ka Lok Alex, KAN Chung Hang Anthony, KWOK Marco, YIP Tsz Kwan Chester, CHEUNG Man Yi Emma (Industrial and Manufacturing Systems)

August 11 – 23 (Henan):

HUI Ching Kit Jacky, YU Jakie, ZHUANG Jiajun Ray, CHOW Yim Tat Barry, LEE Chung Yau Matthew, LI Enid Geo (Engineering), WU Wilson (Architecture), GUO Jingyang (Architecture), LAM Hin Nok Daniel (Architecture), SZE Pak Yan Ryan (Architecture), WANG Xuchen Wally (Architecture), YEUNG Lik Hang (Architecture), YU Miao Jackson (Architecture), OU YANG Jia Qi Olivia (Architecture), CHANG So Yan Susanna (Architecture), LO Sum Yin Silviane (Architecture), CHONG Hoi Tang Rose (Architecture), HSU Jui Yu Jenny (Architecture), KWAN Sum Yuet Celine (Architecture), LEE Man Yiu Natalie (Architecture), LU Xueting Cassie (Architecture), WANG Aiyu (Architecture), WONG Hei Lui Helen (Architecture), WU Fan Lucy (Architecture), YANG Xinyuan (Architecture), Jane Li (Architecture)

August 24 – 26 (Guigang):

GUO Jingyang (Architecture), WONG Hei Lui Helen (Architecture)

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