

BRE Connected

Jun 2021



Department of
Building and Real Estate

建築及房地產學系

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Head's Message

“passer le relais”

I am delighted that you wish to learn more about us through our updates in our departmental newsletter, BRE Connected. I hope you are keeping well.

As you may know, the term of my headship will end on 30 June. Along with my deepest gratitude, I have had the honour of my life to serve this Department in the capacity of Head for the past six years. These years saw the realization of the Department's ambition to be a world-class academic department in the field of construction and real estate, take numerous steps forward. From the bottom of my heart, I thank everyone for making this possible and for your rendering of countless acts of support along the way, including by colleagues, alumni, students and other supporters.

In this year's announcement of the 'QS World University Rankings by Subject 2021 – Architecture/ Built Environment', PolyU rose to join the top 18 universities. Alongside us in the Faculty FCE, PolyU is ranked 21st in the subject 'Civil and Structural Engineering'. We can feel it a great honour that the Department has been contributing significantly to these two subject areas over the years.

According to a Stanford University study, the Department's scholars, including Prof. Albert Chan, Prof. Li Heng, Prof. Geoffrey Shen, Prof. Edwin Chan, Prof. Eddie Hui, Prof. Ni Meng, Prof. Zayed Tarek, Dr Daniel Chan, Dr Patrick Fong and Dr Patrick Lam, ranked among the top 2% of scientists around the globe.



Ir Prof. Albert P.C. Chan, PhD

*Head of Department of Building and Real Estate
Associate Director of the Research Institute for Sustainable Urban Development (RISUD)
Able Professor in Construction Health and Safety
Chair Professor of Construction Engineering and Management*

The Department's pursuit of excellence has been acclaimed as 3rd in overall performance in the PolyU, 1st in Education and 8th in Research & Knowledge Transfer, in terms of recent KPI assessments.

Reflecting our tireless endeavours, these cheering achievements are sure to multiply our confidence in enabling our students to reach their full potential, advancing research driven knowledge and contributing fully to Hong Kong and beyond.

Beyond doubt we are shining not least because of your tremendous support. I am about to pass the baton (passer le relais) to Prof. Michael Yam. I am greatly counting upon him and the team continuing to receive your steadfast support.

I send my best wishes to you all for good health and every success! Enjoy reading!



**Local
Application
Deadline:
30 June
APPLY
NOW!**

Doctor of International Real Estate and Construction (DIREC) Programme

1st Professional Doctorate in
International Real Estate and Construction in HK

DIREC

UNIQUE FEATURES



Enrich senior executives' theoretical and technical knowledge in international perspectives for top level advancement



Inspire senior executives with holistic thinking and analytical methods to tackle the complex influence of public policy and the global economic environment



Bring together innovative and highly practical approaches in the areas of project management, information technology, urban economic processes, urban and regional planning, etc.



Strong multi-disciplinary team of faculty members including seasoned scholars ranked among top 2% of scientists in the world and veteran professionals from the industry



PolyU Inspirational World Rankings (QS World University Rankings by Subject 2021) 21st: Engineering – Civil & Structural; 18th: Architecture / Built Environment



Proud History & Strong Alumni Network: Close-knit and large community of remarkable alumni produced over the past 80+ years in the industry



Change in Headship

Change in Headship



Prof. Albert Chan, Chair Professor of Construction Engineering and Management in BRE, will step down from his capacity as Head of Department on 1 July 2021. Over the past six years, displaying ingenuity and visionary leadership, Prof. Chan has inspired the BRE team in the successful pursuit of academic and research excellence, weaving a robust network with our stakeholders in the process. We are all really grateful to him and wish him every success in his future endeavours.



Prof. Michael Yam, existing Professor in BRE, will pick up the baton to lead the team, in his new capacity as Head on 1 July 2021. He was appointed following a University global search process. With his wealth of wisdom and expertise and research reputation, Prof. Yam will be instrumental in building on the Department's strengths, to push frontiers and advance knowledge. Shaping a thriving future, the unified force wielded by the BRE team is certain to unleash new chapters of accomplishment on our road map. We believe that under Prof. Yam's headship, we have a wonderful future to look forward to in our continuing pursuit of excellence in education and research.

Brief Introduction

Demonstrating his passion to serve the construction industry, Prof. Yam is currently a Deputy Director and Executive Secretary of the Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch). He has been active in supporting the Building Division Committee of the Hong Kong Institution of Engineers, as a Committee Member (2020-2021), Honourable Advisor (2019-2020), Immediate Past Chairman (2018-2019), a Chairman (2017-2018) and a Deputy Chairman (2016-2017). In addition, he was a Vice-President of the Chinese Research Institute of Construction Management from 2014 to 2016.

In PolyU, Prof. Yam has held the positions in the Department of Associate Head (Partnership)(2011-2014), Interim Head (2014-2015) and Associate Head (Teaching)(2019-2021). In addition, he served as Acting Associate Dean (Teaching) of our Faculty, the Faculty of Construction and Environment, in 2018.

Awards & Achievements

Outstanding PolyU Alumni Award 2021

With nearly 85 years of distinctive history, The Hong Kong Polytechnic University has nurtured a veritable multitude of bright minds. Launched in 1996, to mark the great success of graduates in their various professions and to honour their tremendous contributions to the community, the Outstanding PolyU Alumni Award (OPAA) has given public recognition to more than 80 outstanding graduates of PolyU over the past years.

Unfolding the 13th presentation of OPAA this year, PolyU proudly honoured 10 outstanding alumni from a range of professions. Huge congratulations to all award recipients, our departmental alumni The Hon. Tony Tse Wai-chuen, BBS, JP and Sr Augustine Wong Ho-ming, JP in particular! They are truly powerful role models for our students and graduates.

More :



The Hon. Tony Tse Wai-chuen, BBS, JP

Higher Diploma in Surveying (General Practice Division), Hong Kong Polytechnic

Member of the Legislative Council for Architectural, Surveying, Planning and Landscape

Recipient of the Outstanding BRE Alumni Award 2020

“I am concerned about the development of young professionals.”

As a Member of the Legislative Council, Sr Tse is committed to the development of the local real estate industry, offering valuable advice in his professional capacities relating to surveying, land use and property management. Sr Tse is a Fellow Member of the Hong Kong Institute of Surveyors, Chairman of the Property Management Services Authority, a Non-official Non-executive Director of the Urban Renewal Authority Board, and a Member of the National Committee of the Chinese People’s Political Consultative Conference.

He also serves on various advisory committees under the Government. He was awarded the Lifetime Achiever by the Royal Institution of Chartered Surveyors. In addition, his support for the respective mentorship programmes of the PolyU and our Department has contributed much to students’ personal and professional growth.

Sr Augustine Wong Ho-ming, JP

Diploma in Building Studies, Hong Kong Polytechnic

Higher Diploma in Surveying (General Practice Surveying), Hong Kong Polytechnic

Advanced Higher Diploma in General Practice Surveying, Hong Kong Polytechnic

Master of Science in E-Commerce for Executives, PolyU

Executive Director and General Manager of the Property Development Department, Henderson Land Development Company Limited

Recipient of the Outstanding BRE Alumni Award 2018

“I work towards enhancing professional and ethical practice within the industry.”

Sr Wong, Executive Director and General Manager of the Property Development Department, Henderson Land Development Company Limited, has made a considerable contribution to local real estate and housing development. Having received his professional surveying education in the then Hong Kong Polytechnic, Sr Wong unfolded his adventure in transforming Hong Kong into a prosperous city with a beautiful skyline. Also, his great enthusiasm and exceptional contributions are well noted through his unwavering efforts in the revitalization of aged properties in urban areas and the new development of agricultural land in the New Territories over the decades. In addition to being a Fellow of the Hong Kong Institute of Surveyors and a Council member of the General Practice Division and its Board of Membership, Sr Wong has served in various organisations and advisory committees for the Government as well as the Departmental Advisory Committee of our Department.



Cheering Results in QS World University Rankings

PolyU rose nine places to be among the top 66 universities in the recent 'Quacquarelli Symonds (QS) World University Rankings 2022'. The rankings offer a holistic overview of higher education in the world, reflecting academic and employer reputation, faculty/student ratio, research impact and internationalisation performance.



In the meantime, PolyU achieved cheering results in the 'QS World University Rankings by Subject 2021' in March 2021. Particularly, we are honoured to have been contributing significantly to the two subjects – 'Architecture/Built Environment' (18th) and 'Civil and Structural Engineering' (21st) over the years. With this clear endorsement of our endeavours, we are confident to continually succeed in our goals of realising our students' potential and delivering high-impact research, contributing to Hong Kong and beyond.

Enjoying a remarkably consistent methodology, this year's QS World University Rankings identified the top 1,300 universities from around the globe, facilitating students to make up their minds in their programme selection.

Able Endowed Professorship in Construction Health and Safety - Ir Prof. Albert Chan



"The Endowed Professorship will help me in further developing innovations promoting construction health and safety to enhance the well-being and productivity of construction workers."

*Able Professor in Construction Health and Safety
Ir Prof. Albert Chan*

Donor - Able Engineering Holdings Limited

Established in 1976, Able Engineering Holdings Limited was listed on the Main Board of the Hong Kong Stock Exchange in 2017. As a well-established multi-discipline construction corporation, its businesses range from building construction, repair, maintenance, alteration and addition works, building conversion, design and build to fitting out works.

Video :



Appointee – Ir Prof. Albert Chan

Ir Prof. Albert Chan is currently Head of our Department, Associate Director of the Research Institute for Sustainable Urban Development, and Chair Professor of Construction Engineering and Management. He was Associate Dean and Interim Dean of the Faculty of Construction and Environment from 2011 to 2013, and from 2013 to 2014 respectively.

The endowment unprecedentedly fits well with Ir Prof. Chan's efforts and perseverance. Also, it certainly further gives recognition to his belief in raising the bar in terms of the well-being and work environment of construction workers. Over the past three decades, Ir Prof. Chan's research has focus on a board spectrum of topics across the field of construction engineering and management. Along the way, Ir Prof. Chan realised a pressing need for identifying innovative solutions to construction issues. His pursuit of construction worker safety and health has been reflected in his research.

His continuing progress has been internationally applauded with a series of awards and prizes over the years, including the Hong Kong Institute of Project Management Achievement Awards (2014, 2015, 2017, 2018), the Asia Pacific Project Management Achievement Awards (2014, 2017, 2018), the First Class Scientific Advancement Award (2016), Grand Award in the Community Excellence category, Distinguished Knowledge Transfer Awards (2016), Gold Medals in the 36th and 44th International Exhibition Inventions, New Techniques and Product, Geneva, Switzerland (2008, 2016), etc. Ir Prof. Chan's tenacity and expertise had a lasting impact on the sustainable construction.

Awards & Achievements

Prof. Li Heng Receiving Dean's Award for Outstanding Achievement in Research Funding



More about
Prof. Li Heng:



Our warmest congratulations go to Prof. Li Heng on receiving the Dean's Award for Outstanding Achievement in Research Funding. This accomplishment is considerably attributed to Prof. Li's roaring success in securing external competitive research funding for his exceptional projects over the years.

The projects ranged from 'Enabling Technologies Based on Computer Vision and Machine Learning for Better Quality Management on Construction Sites' (Innovation Technology Fund – LSCM) in 2018, 'Automated Airborne Drone for Beach Wastes Recycling' (Environment and Conservation Fund) and 'In Search of a Suitable Tool for Proactive Physical Fatigue Assessment: an Invasive to Non-invasive Approach' (RGC General Research Fund) to 'SureFire: Smart Urban Resilience and Firefighting (RGC Theme-based Research Scheme – sub-project)' in 2019.

Prof. Li will receive a cash prize and an award certificate as a token of the Faculty's appreciation. We look forward to Prof. Li every success in his future securing research funding.

The 13th Asian Forum on Graphic Science (6-8 Dec 2021) - Successful Application for CITF of HK\$1 Million

Wonderful News! Prof. Li Heng, Professor of BRE, Dr Wei Hsi Hsien and Dr Chi Hung Lin, Assistant Professors of BRE, are successful in being awarded HK\$1 Million by the Construction Industry Council's Construction Innovation and Technology Fund (CITF) for the upcoming international forum 'The 13th Asian Forum on Graphic Science 2021 (AFGS 2021)'.

Organised by the Department of Building and Real Estate, 'AFGS 2021' will unfold a new phase for the discussion of fresh perspectives and the exchange of expertise by scholars and professionals from around the globe on a wide range of topics spanning 'Applied Graphics and Geometry for Art, Architecture and Engineering', 'Computer Graphics' and 'Theoretical Graphics and Geometry' to 'Graphics Education'. The event is scheduled for 6 to 8 December 2021.

The past few years have seen construction industry graphics-related applications to enhance safety and reduce costs, e.g. Building Information Modelling (BIM), become an indispensable part of AFGS. In addition to the advancement of graphic theory within the field of engineering applications and its value to industry worldwide, 'AFGS 2021' will notably connect professionals from various industries in an attempt to identify relevant industrial problems and raise the extent of adoption of graphics-related technology, advance education in the field and promote collaborations. The ultimate aim is to achieve solutions to industrial challenges at new levels.



More about AFGS 2021:



Abstract Submission
by 15 July 2021:



More about
Dr Wei:



More about
Dr Chi:

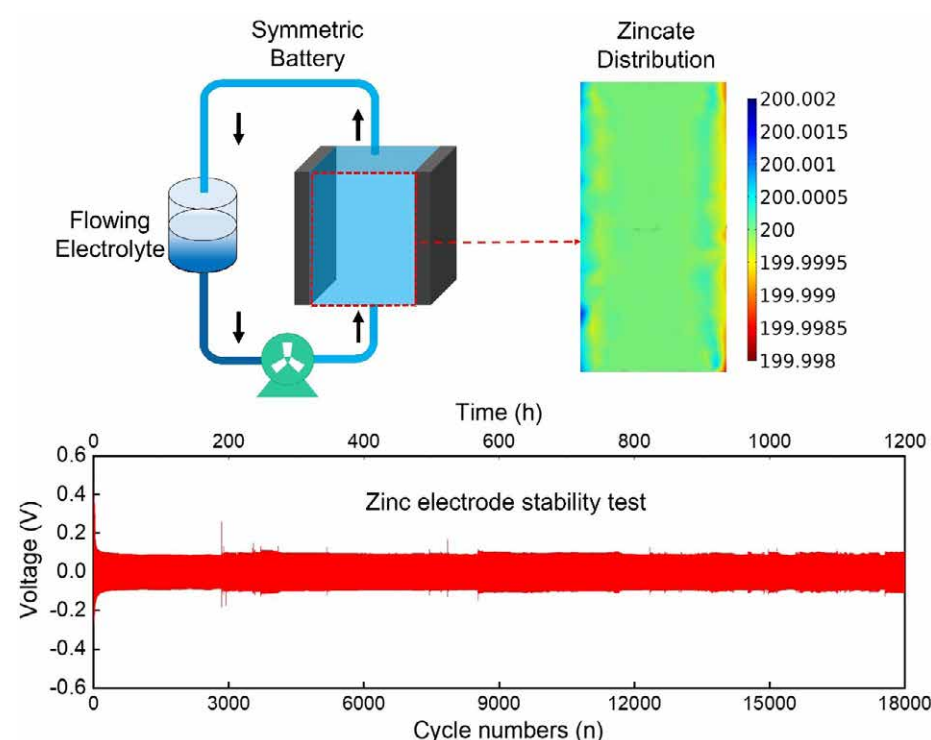




More about
Prof. Ni Meng:



Prof. Ni Meng's Project "Durable and High-performance Zinc-air Flow Batteries for Energy Storage" Supported by RGC Collaborative Research Fund



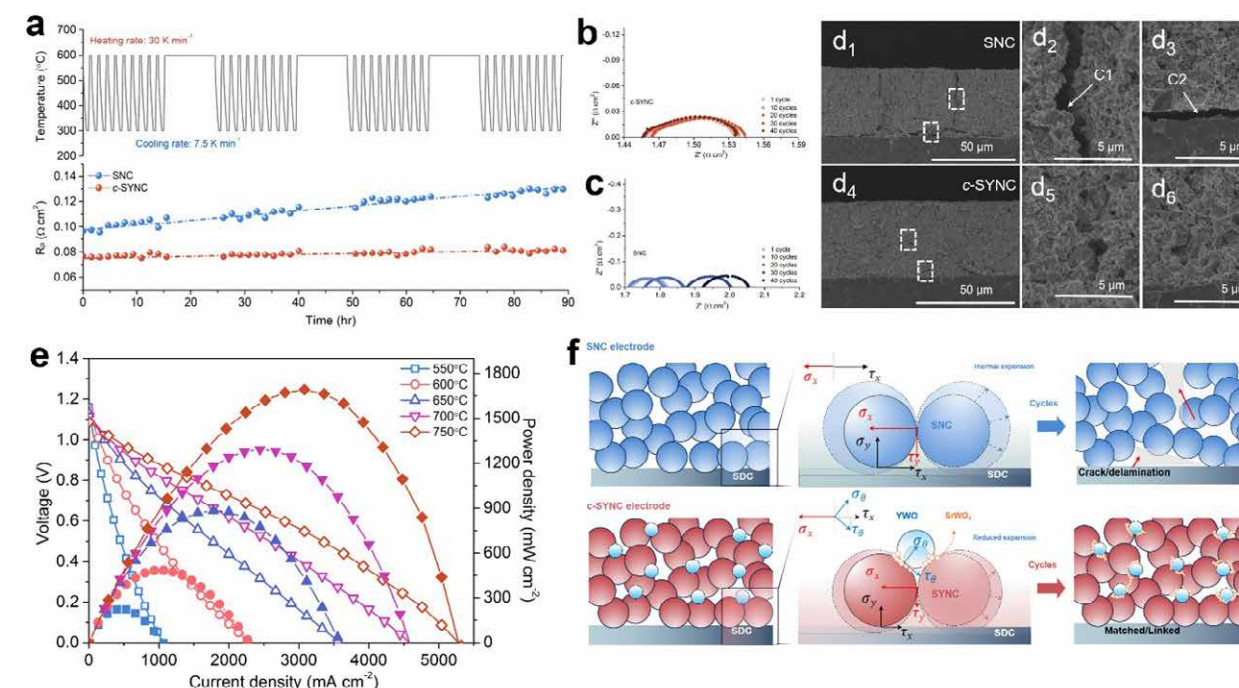
Prof. Ni Meng, Associate Head (Research) of BRE, will receive a grant of HK\$4.2 Million from Research Grant Council (RGC) Collaborative Research Fund (CRF) for his project "Durable and High-performance Zinc-air Flow Batteries for Energy Storage". This is the first RGC large-scale research grant received by BRE staff as a project coordinator.

Renewable solar and wind power are intermittent and site specific. Development of high performance and durable rechargeable batteries are essential for successful application of renewable power. Compared with other types of batteries, zin-air batteries possess high energy density and are cheap and safe. To solve problems of Zn dendrite formation and Zn electrode passivation, Zn-air flow batteries will be developed. To reduce the energy loss at the air electrode, a novel perovskite catalyst will be explored. This project will develop high performance and durable Zn-air flow batteries for grid scale energy storage to facilitate the application of renewable solar and wind power.

Prof. Ni will conduct this project in collaboration with Prof. Dennis Leung from The University of Hong Kong (HKU) and Prof. Zhao Tianshou from The Hong Kong University of Science and Technology (HKUST). Prof. K.Y. Chan from HKU and Prof. Tan Peng from University of Science and Technology of China (USTC) will serve as collaborator of this project.

Prof. Ni Meng Co-authored A Research Article in Nature on Fuel Cells

In collaboration with Nanjing Tech University (China) and Colorado School of Mines (USA), Prof. Ni Meng, Associate Head (Research) of BRE, co-authored a research article entitled "Thermal-expansion offset for high-performance fuel cell cathodes" in Nature.



The first author, Dr Zhang Yuan, worked in Prof. Ni Meng's lab for 1 year where she conducted part of the experimental research reported in this Nature paper. The second author, Dr Chen Bin (now an Assistant Professor at Shenzhen University, China), received his PhD in 2018 from BRE under supervision of Prof. Ni Meng. The corresponding authors are Prof. Shao Zongping and Prof. Zhou Wei, who are supervisors of Dr. Zhang Yuan and are both from Nanjing Tech University.

High temperature solid oxide fuel cells (SOFCs) have the potential to replace conventional thermal power plants for energy conversion. One challenge for SOFC commercialization is thermo-mechanical instability due to mismatches in the thermal expansion behaviour of different fuel cell components, which can cause cell performance degradation or even failure. In this research article, a novel electrode development strategy is proposed by compositing a cobalt-based perovskite with high electrochemical activity and large thermal expansion coefficient with a negative thermal expansion material. A new interface is formed between the two materials. A-site deficiencies in the perovskite are also observed. As a result, the composite electrode shows both high electrochemical activity and excellent thermo-mechanical stability. This research provides a new strategy for the development of high performance and durable solid oxide fuel cells for efficient and clean power generation.

More can be
found at:



Awards & Achievements

Awardees of HKIS Sponsorship Scheme for Textbook Writing - **Dr Daniel Chan**



More about
Dr Daniel Chan :



Supported by the Board of Education of the Hong Kong Institute of Surveyors (HKIS), Dr Daniel Chan, Associate Professor of BRE, together with Dr Timothy Olawumi, his former PhD student, are working on a new book entitled 'Sustainability Practices and BIM in the Built Environment – Trends, Adoption and Green Building Assessment'. The book will present the underlying principles of building sustainability assessment, discuss the various existing green building rating systems, and highlight some available tools which can assist in assessing the 'greenness' of building projects. Also, real-life case studies of green building projects across regions will be illustrated and examined.

Since the book will draw on a combination of research outcomes from academia and practical case studies from the construction industry, a wide spectrum of readers will find it useful and informative, from government authorities, through industrial practitioners to undergraduate students.

Realise Your Future of Professionalism, Innovation and Success

Inspirational World Rankings

6th (QS Top 50 Under 50 Rankings 2021)

25th (QS Asia University Rankings 2020)

75th (QS World University Rankings 2021)

21st (QS World University Rankings by Subject 2021 - Engineering - Civil & Structural)

18th (QS World University Rankings by Subject 2021 - Architecture / Built Environment)

Undergraduate Programmes:

BSc (Hons) in Building Engineering and Management

BSc (Hons) in Property Management

BSc (Hons) in Surveying



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香港理工大学建筑及房地产学系



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大学

DEPARTMENT OF
BUILDING & REAL ESTATE
建筑及房地产学系

INTERNATIONAL • COLLABORATIVE • CONSTRUCTION

Dr Yantao Yu’ Project Acclaimed as Best Project in OSHC



More about Dr Yu :



To our delight, Dr Yantao Yu, a Research Assistant Professor and a PhD graduate of BRE, accompanied by her former PhD supervisor, Prof. Li Heng, received the Best Project Award at the Virtual Award Presentation Ceremony of the Hong Kong Occupational Safety and Health Council (OSHC) on 19 April 2021.

As a recipient of the Hong Kong PhD Fellowship, inspired and supervised by Prof. Li Heng, Chair Professor (Construction Informatics) of BRE, Dr Yu was successful in completing her PhD studies in our Department in 2020. Her research project entitled ‘Automatic Physical Fatigue Assessment for Construction Workers Based on Computer Vision and Pressure Insole Sensor’ was widely acclaimed as the Best Project in OSHC, aiming at a physical fatigue assessment method for construction workers that suits the complex and dynamic nature of construction activities. This method can reduce the possibility of overexertion and fatigue among construction workers, and overall will improve the occupational health and safety of the construction industry.



Dr Kingsford Owusu Awarded ‘Thesis Awards for Postgraduate Students of The Hong Kong Institute of Surveyors’

Congratulations! Dr Kingsford Owusu, a Research Assistant Professor and a PhD graduate of BRE, is very pleased to receive the HKIS Dissertation/ Thesis Awards for Postgraduate Students in July 2020. The Awards are based on merit in research as well as the applicability of the research output to the Surveying profession.

Dr Owusu’s study examined the issue of corruption in infrastructure project procurement in developed and developing economies. It examined the various forms of corrupt practices and their associated causal factors, procurement irregularities, anti-corruption measures (ACMs), and the barriers that hamper the efficacy of the extant ACMs. This research deployed a diverse range of methodological tools and techniques to answer the questions raised and address the study’s aim and objectives. They include but are not limited to descriptive statistics, fuzzy synthetic evaluation, social network analysis, and system dynamics. The models and framework developed in this study constitute an overarching ACM dynamic framework to predict and extirpate corruption in public infrastructure procurement.

Dr Owusu said, “I am more than grateful to receive this award on behalf of the Department of BRE. This achievement would not have been possible without the stupendous supervision of my supervisor, Prof. Albert Chan. I would like to dedicate this award to him and everyone in the BRE Department. I hope to continue with the hard work to win more awards for the Department.”



More about Dr Kingsford Owusu:



Awards & Achievements

PolyU Postdoc Matching Fund Scheme 2020/21

In the third round of the PolyU Postdoc Matching Fund Scheme 2020/21, the following BRE academics have been given the funding support to engage postdoc fellows (PDF) in their research for two years.

Principal Investigator (BRE)	PDF Candidate	Institution where PhD was obtained
Prof. Albert Chan	Mr Michael Atafo Adabre	The Hong Kong Polytechnic University
Prof. Meng Ni	Dr Tong Liu	University of Science and Technology of China
Prof. Geoffrey Shen	Mr Jin Xue	The Hong Kong Polytechnic University
Prof. Tarek Zayed	Dr Adebayo Olatunbosun Sojobi	City University of Hong Kong

Promote Research Collaboration by Joint Supervision Scheme

Established some years ago, a Joint Supervision Scheme with Chinese Mainland, Taiwan and Macao Universities aims to promote research collaboration with university partners.

Under this Scheme, the chief supervisors and the co-supervisors of the selected students are from the main supervisors from the partner university and PolyU. The selected students will spend no more than 12 months at PolyU as Research Assistants (RA) and continue their research at their home universities.

Partner University	PolyU Supervisor (BRE)	Partner University Supervisor	Student	Project Title	Funding Amount (HK\$)
Zhejiang University	Prof. Eddie HUI	Prof. Wei-wen ZHANG	Chen-wei YU	Housing Restriction Policies, Investors' sentiment and Housing Market in China	\$144,000
Tianjin University	Prof. Meng NI	Prof. Kui JIAO	Biao XIE	Simulation Study on Water and Thermal Management of PEMFC Stack based on a "3D+1D" Modelling Method	\$144,000



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BSc (Hons) in Building Engineering and Management (BEM) JS3791

PolyU Inspirational World Rankings

- 6th (QS Top 50 Under 50 Rankings 2021)
- 25th (QS Asia University Rankings 2020)
- 75th (QS World University Rankings 2021)
- 21st (QS World University Rankings by Subject 2021 – Engineering – Civil & Structural)
- 18th (QS World University Rankings by Subject 2021 – Architecture / Built Environment)

Generous Scholarships

- In 2020/21, over HK\$1 million in total for our Department's outstanding students
- Entry scholarships for high-performing HKDSE students
- Entry and post-entry scholarships as well as prizes offered by PolyU, HKSAR Government and donors on the basis of academic merits or non-academic achievements, from HK\$8,000 to HK\$40,000 each for 2020/21

International Professional Recognition

- Chartered Institute of Building (UK)
- Hong Kong Institute of Construction Managers
- Hong Kong Institution of Engineers

Promising Career Prospects

- Excellent employment opportunities
- Average monthly salary for fresh graduates in 2019: above HK\$23,000-

Proud History and Strong Alumni Network

- Close-knit and large community of remarkable professionals and alumni produced over the past 80+ years



polyu.edu.hk/bre/



香港理工大学建筑及房地产学系



Awards & Achievements



More about
Prof. Li Heng :



Research for Physiological Metrics as Real-Time Measurement of Physical Fatigue by **Prof. Li Heng** and **Shahnawaz Anwer** et al Published in **Journal of Construction Engineering and Management**

Co-authored by Prof. Li Heng, Chair Professor of Construction Informatics and Professor of BRE, Dr. Arnold Y. L. Wong, Assistant Professor of Department of Rehabilitation Sciences, PolyU, Dr. Waleed Umer, Assistant Professor of Department of Construction Engineering & Management, King Fahd University of Petroleum & Minerals, Saudi Arabia and Shahnawaz Anwer, PhD student of BRE, the research paper 'Evaluation of Physiological Metrics as Real-Time Measurement of Physical Fatigue in Construction Workers: State-of-the-Art Review' was selected to be featured in the Editor's Choice section of the Journal of Construction Engineering and Management page in the ASCE Library <https://ascelibrary.org/journal/jcemd4>.

This paper was a state-of-the art review, aiming to summarize existing evidence regarding the use of physiological metrics to measure physical fatigue of construction workers in real-time. The review used systematic searches to identify relevant studies and critically appraised the application of physiological metrics in measuring physical fatigue of construction workers. Firstly, it summarized the application of various physiological metrics for real-time measurement of physical fatigue in construction workers. Secondly, various wearable sensing technologies for measuring physiological metrics were identified. Thirdly, it discussed the potential challenges for applying physiological metrics to measure physical fatigue. Finally, future research directions to advance the development and adoption of various physiological metrics to monitor and mitigate physical fatigue in construction workers were discussed.



More about
Shahnawaz Anwer :



HKIS Outstanding Final-year Dissertation Awards 2020 – **Sindy Luk**

Well done to Sindy Luk Sin Yee, a 2020 graduate of our BSc (Hons) Surveying Programme! Sindy's praiseworthy efforts have been rewarded with the Top Prize in the Property and Facility Management Division (PFMD) in the Outstanding Dissertation Awards 2020 of the Hong Kong Institute of Surveyors in 2021.

Sindy's winning dissertation, titled 'A Study on Scheme Feed-in-Tariff (FiT) in Hong Kong: A Review on the Costs and Benefits of Installing Solar Panels' aimed to investigate and examine the implementation of FiT initiatives that were first introduced to Hong Kong in 2018. Supervised by Mr. Kong Wai Kei, Teaching Fellow of BRE, through the use of literature review, case studies, and surveys with potential users of FiT, Sindy explored the feasibility of the current FiT scheme. Sindy said, "Considered a promising and clean source of renewable energy, solar energy is an effective solution to the low supply of sustainable resources." Sindy was successful in reviewing the current state of FiT implementation and providing insightful recommendations on enhancing the wider adoption of the FiT scheme for a sustainable future.

Sindy was praised beyond doubt by the council members of PFMD for her comprehensive and well drilled study. Sindy, Keep up the good work in your new endeavours!



9/1

BRE Distinguished Lecture on 'Real Estate Industry Professionals - A Journey on the Industry Development and What's needed for the Future'

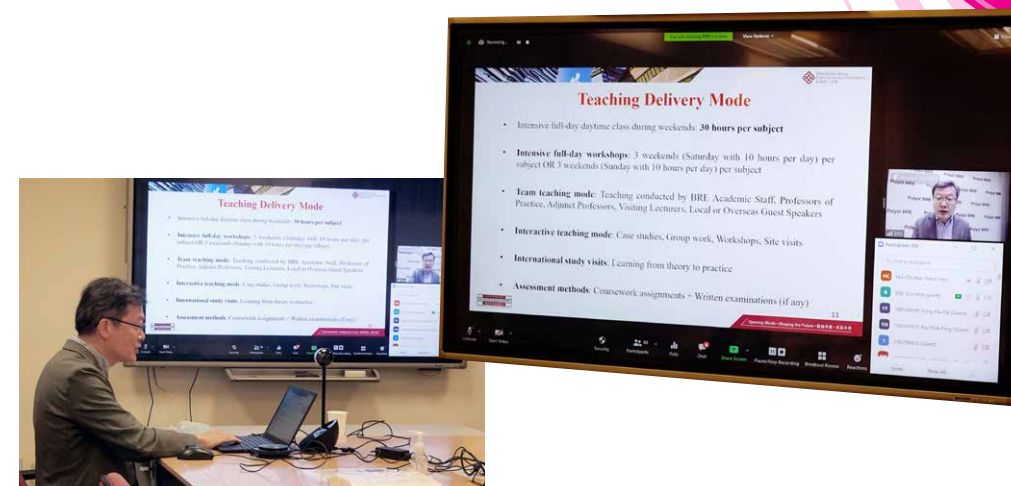
Ring in the New Year, we were very honoured to have had Dr Charles Lam, Permanent Honorary President, China Real Estate Chamber of Commerce Hong Kong and International Chapter (CRECCHKI), and Adjunct Professor, PolyU's School of Accounting and Finance, deliver a very inspiring talk as the first chapter of our signature event 'BRE Distinguished Lecture' this year. With his wealth of expertise and wisdom, Dr Lam brought us fresh perspectives and outlined new trends in the Real Estate Industry.



9 & 29/1, 6/3 & 24/4

Info Seminars on the Programme, Doctor of International Real Estate and Construction

Embarking on postgraduate study helps to fit yourself for a challenging career and aspiration fulfillment. Prof. Eddie Hui, Programme Leader of the Doctor of International Real Estate and Construction Programme (DIREC), was invited to make the introduction to this 1st professional doctorate in Hong Kong, in International Real Estate and construction. The Info Seminars were well received with active participation.



9/1 & 6/3

Info Seminars on BRE Taught Postgraduate Programmes

(BRE Sessions – Construction and Real Estate, Construction Law and Dispute Resolution, Project Management)

On 9th Jan, PolyU Info Day for Taught Postgraduate Programmes and the Info Seminars on 6th Mar, our programme leaders, Prof. Zayed Tarek, Dr Ann Yu and Dr Esther Yung gave overviews of our leading taught postgraduate programmes and tips on how to gain admission. Unfolding the next chapter on your lifelong learning journey with us surely helps you stand out at work!



16/1

PASS Workshop Series: Improving and Exporting Hong Kong Industrialized Construction Services under the Belt and Road Initiative

Prof. Geoffrey Shen, the leader of this project, provided an overview of the progress his research team has made and the activities ahead in the Workshop. Coverage of the team's research projects with the theme of construction industrialization, was the focus of the Workshop, including projects funded by the Innovation and Technology Commission and the Public Policy Research project funded by the Policy Innovation and Co-ordination Office of the HKSAR Government.



27/2

PASS International Forum on Industrialized Construction 2021 : Cooperation and Opportunity on Industrialized Construction under the Belt and Road Initiative

Jointly organized by the PolyU and the Hong Kong Construction Association, the Forum aimed to create an ideal platform for leading academics, innovation leaders and industry practitioners to exchange industrialized construction ideas and discuss risks, opportunities, best practices, and related issues under the Belt and Road Initiative. Many thanks to the speakers, Ir Dr Tin Cheung Wong, Prof. Roger-Bruno Richard, Prof. Guiwen Liu, Prof. Wilson W. S. Lu, Prof. Mohan Kumaraswamy, Ir. K. H. Mok, Dr Rebecca Yang, Dr Gongbo Lin and everyone contributing its success.



8 & 9/3

Career Sharing by HKIS (BSD & GPD)

With great support from the Hong Kong Institute of Surveyors (HKIS), an eventful series of online career sharing was lined up for our undergraduate students in March. Giving a picture of HKIS, the professions of building surveying and general practice surveying and the career prospects within them, practical interview skills were included too. HKIS representatives, all-round professionals and young trainees were invited to take part. We sincerely thank everyone for making this online activity such a success, including, Sr Billy Wong, Sr Coolidge Siu, Sr Chiu Hon-fai, Sr Koo Yu-kan, Althea, Sr Rebecca Lo, Sr Grace Lee (from BSD), Sr Alnwick Chan, Sr Kirsten Lam, Sr Leo Cheung and Sr Kent Yeung (from GPD).



12/3

Career Talk by HKIS (QSD)

Kick-started by Dr Francis Siu's warm welcome speech, the talk was filled with stimulating features deriving from the direct experiences of professional surveyors who had worked with contractors and with consultants and their routes to chartered quantity surveyor status. The job opportunity trends in industry, both local and international, were identified. Over 150 students attended. The talk was concluded with a Q&A session chaired by Dr Patrick Fong. Special thanks to Sr Paul Wong, Sr Tiffany Chan and Sr Tzena Wong for their insightful sharing and discussion.



6/3

BRE Distinguished Lecture on 'The Magic of Construction Innovations'

March marked a remarkable chapter for our signature event, 'BRE Distinguished Lecture'. Dr Cheung Tin-cheung, SBS, Director of the Hong Kong Green Building Council and Adjunct Professor, Faculty of Design and Environment, the Technological and Higher Education Institute of Hong Kong, was invited to share his comprehensive analysis and diverse perspectives on the construction challenges and innovations in the Lecture. His inspiring presentation highlighted a way of shaping the industry's new journey.



12/3

PolyU Outstanding Student Awards Presentation Ceremony

Well done to Maggie Ng Tsin Tung, our Surveying student who received the 'Outstanding Student Award of the Faculty of Construction and Environment'!

Following the welcoming remarks, Prof. Jin-Guang Teng, our President, presented the Awards to Maggie and the other top students in the Outstanding Student Awards Presentation Ceremony on 12 March 2021. Maggie, Keep up the good work!



24/3

Career Webinar for BRE Students by The Hong Kong Institute of Housing

Jointly organized by the Hong Kong Institute of Housing (HKIH) and BRE, a career webinar was full of insights for our students ranging from HKIH's indispensable roles, the dynamic market development and the property management professionals' career path, etc. A hearty clap for Mr. Lewis Lam's wonderful presentation, the representative of the HKIH Professional Practice Committee.



24/4

BRE Distinguished Lecture on 'The Future is on the Horizon - Producing Land by Reclamation'

One more great success for our signature event, the 'BRE Distinguished Lecture'! We were honoured to learn from our outstanding alumnus, Sr Tony Tse Wai Chuen's wealth of expertise and holistic analysis on the subject of the challenges of and the solutions to Hong Kong's land supply and the provision of housing. A hearty round of applause for Sr Tse and every participant!



9/4

CIB Student Chapter Workshop on Sustainable Urban Systems

Four presentations on the themes 'Smart Infrastructure Development', 'Older Adults Mobility', 'Ecological Civilization and Sustainability' and 'Conflicts in Mega Urban Infrastructure System' were delivered by Miss Nimesha Sahani Jayasena, Mr. Alex Torku, Mr. Ibrahim Yahaya Wuni and Dr Jin Xue, respectively in the Workshop. The event culminated with diverse and valuable suggestions from Dr Esther Yung, Dr Sun Yi and Dr Tanya Tan.



22/5

PolyU JUPAS Consultation Day – BRE Highlights

Thank you for joining the PolyU JUPAS Consultation Day. Consultation Day is one of PolyU's busiest events for secondary school students to date. The holistic presentations made by our programme teams, Dr Patrick Fong, Dr Fan Hong Qin, Dr Francis Siu, Ms Hebe How and Mr Kong Wai Kei were sure to have put you at your ease. Have you found the path leading to a professional career in the construction and real estate industry through our Info Seminars? Don't hesitate to contact us if you wish to explore more. We look forward to welcoming you in person in September.



Realise Your Future of Professionalism, Innovation and Success

BSc (Hons) in Property Management (PMT) JS3442

PolyU Inspirational World Rankings

- 6th (QS Top 50 Under 50 Rankings 2021)
- 25th (QS Asia University Rankings 2020)
- 75th (QS World University Rankings 2021)
- 21st (QS World University Rankings by Subject 2021 – Engineering – Civil & Structural)
- 18th (QS World University Rankings by Subject 2021 – Architecture / Built Environment)

Generous Scholarships

- In 2020/21, over HK\$1 million in total for our Department's outstanding students
- Entry scholarships for high-performing HKDSE students
- Entry and post-entry scholarships as well as prizes offered by PolyU, HKSAR Government and donors on the basis of academic merits or non-academic achievements, from HK\$8,000 to HK\$40,000 each for 2020/21

International Professional Recognition

- Hong Kong Institute of Housing
- Royal Institution of Chartered Surveyors (UK)
- Hong Kong Institute of Surveyors – General Practice Division and Property and Facility Management Division

Excellent Career Prospects

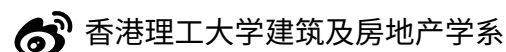
- Excellent employment opportunities, e.g. real estate asset management, business valuation and investment, facility management, property management, leasing and marketing, etc.
- Average monthly salary for fresh graduates in 2019 : around HK\$19,000-

Proud History and Strong Alumni Network

- Close-knit and large community of remarkable professionals and alumni produced over the past 80+ years



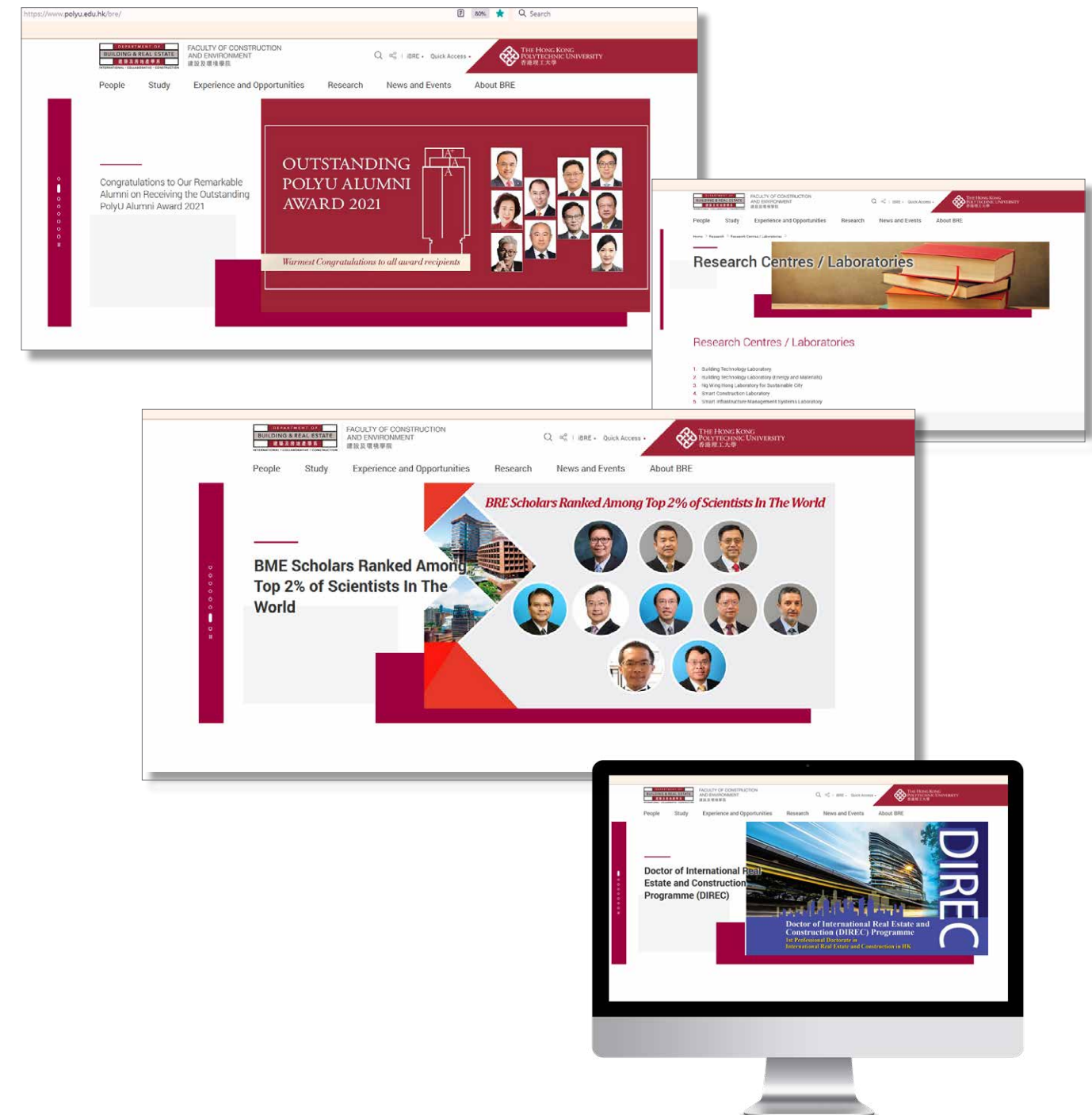
polyu.edu.hk/bre/



Explore BRE with A Wholly New Website

The NEW BRE Website is ready to connect you with us more closely and give you the best possible experience. The site has a completely new and contemporary look, an enhanced search engine as well as being more comprehensive and possessing enhanced user-friendly features.

Explore Now:



Entry Scholarships 2021

We wish to express our heartfelt gratitude to those donors who have provided entry scholarships for our BRE freshmen directly through the department.



1	China Real Estate Chamber of Commerce Hong Kong and International Chapter (CRECCHKI) Scholarship
2	Ng Wing Hong Entry Scholarship
3	Prof. Francis S.K. Lau Scholarship
4	Prof. Francis S.K. Lau Scholarship (2013)
5	Zhong Hua Construction Foundation Scholarship

If you are interested in receiving more information on the establishment of Entry Scholarships in BRE, or other incentives for BRE students, we are more than happy to receive your ideas through the email: bsjanlau@polyu.edu.hk.

Scholarships awarded to BRE students in 2020/21 (as at 21 May 2021):

BEA Inspiring Student Scholarship
CAGAHK Award
China Real Estate Chamber of Commerce Hong Kong and International Chapter (CRECCHKI) Scholarship
Dr. Ng Tat-lun Memorial Scholarship
Entry Scholarship for the Postgraduate Scheme in Construction and Environment
FCE Outbound Exchange Scholarship
Hall Residence Scholarship
Hip Hing Construction Scholarship
HKAUW Undergraduate Scholarship
HKSAR Government Scholarship
HKSAR Government Scholarship Fund- Endeavour Merit Award
HKSAR Government Scholarship Fund- Reaching Out Award
HKSAR Government Scholarship Fund- Talent Development Scholarship
Hong Kong Chiu Chow Chamber of Commerce Scholarship
HSBC Greater Bay Area (Hong Kong) Scholarship
HSBC Hong Kong Scholarship
HSBC Vocational Education Scholarship
Link University Scholarship
Ng Wing Hong Entry Scholarship
Outstanding Student Award 2020, Department of Building and Real Estate
Outstanding Student Award 2020, Faculty of Construction and Environment
Prof. Francis S.K. Lau Scholarship
Prof. FRANCIS S.K. Lau Scholarship (2013)
Sun Hing Holdings Ltd. Scholarship
The HKIE Prize for Outstanding Engineering Students
The Hong Kong Polytechnic University Entry Scholarship (Academic)
The Hong Kong Polytechnic University Entry Scholarship (Academic) and Faculty of Construction and Environment Undergraduate Scholarship
The Hong Kong Polytechnic University Entry Scholarship (Non-Academic)
The Hong Kong Polytechnic University Scholarship
The Hong Kong Polytechnic University-APEC Entry Scholarship
The Society of Builders, Hong Kong Scholarship
Yee Sui Cheong Memorial Scholarship
Zhong Hua Construction Foundation Scholarship (2013)
Zonta Club of Kowloon Scholarship

Work-Integrated Education (WIE)

Work-Integrated Education (WIE) is a credit-bearing scheme in which students learn to connect classroom theory with practical workplace applications through on-the-job work placements.

Through this scheme, we hope that employers will have good experiences in taking our Surveying/Property Management/Building Engineering and Management students as summer or part-time interns, and find that WIE is truly a good platform for both uplifting the quality of students and fostering potential manpower pool to the company and the industry as a whole.



We always welcome work opportunities for our students within Industry. If you are interested in offering work opportunities, either in Hong Kong or the Mainland, including the Greater Bay Area (GBA), please let us know through the email: bsjanlau@polyu.edu.hk.

In 2020/21, BRE students completed their WIE requirement by working in various companies and industry organizations mainly in Hong Kong. Special thanks are expressed to those companies which supported WIE in 2021: Able Engineering Holdings Limited, Rider Levett Bucknall Limited, Cushman & Wakefield, Long Engineering Limited, China State Construction and DCL Consultants Limited.

BRE students join the following companies in 2020/21 for WIE experience (as at 21 May 2021):

- Able Engineering Company Limited
Cushman & Wakefield
DCL Consultants Limited
Department of Building and Real Estate
Freevision Limited
Goodwell Property Management Limited
Hip Hing Construction Co., Ltd.
HKR International
hpa
Industrial Centre, PolyU
John HY Yip Surveyors Ltd
KC Surveyors Limited
KCI Management Consultancy Limited
Kerry Property Management Services Limited
Long Engineering Limited
- Multiple Surveyors
Pacific Century Premium Developments Limited
Raymond Chan Surveyors Limited
Rider Levett Bucknall Limited
Savills Hong Kong
Sino Estates Management Limited
Trusty Surveyor
Urban Group
Urban Renewal Authority
Well Born Real Estate Management Limited
Yau Lee Holdings Limited

Happenings



Student Exchange in 2021

Due to the current pandemic COVID-19, most outbound student exchange arrangements were suspended. But, we were happy for the following sharing of our student Yu Sinan, who was an exchange student in Tsinghua University, Beijing, in Semester 2, 2020/21.

"I am Yu Sinan, a year 2 student from BRE. I am honored to have had the opportunity to exchange at Tsinghua University. I experienced a completely different and interesting campus life, regional culture, and natural landscape here. In addition to fulfilling the credit-transfer requirements, I took courses I am interested in here. The teachers and classmates here are very nice and help me a lot. In my leisure time, I also visit many attractions in Beijing, including the Forbidden City and Temple of Heaven and so on. In a word, this once-in-a-lifetime exchange experience makes me very unforgettable."



Mentorship 2021

This year we have successfully matched 60 students in the Scheme with their mentors under the BRE Mentorship Scheme.

The Mentorship Scheme provides a platform for our young generation to get connected with professional practitioners and seniors in the industry. The mentor's sharing of precious experience and views helps mentees broaden their learning and prepare them to face future professional challenges.



Realise Your Future of Professionalism, Innovation and Success

BSc (Hons) in Surveying (SUV)

JS3789

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- Hong Kong Institute of Construction Managers
- Hong Kong Institute of Surveyors

Excellent Career Prospects

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Specialisation

Five disciplines (Building Surveying, General Practice Surveying, Quantity Surveying, Planning & Development, and Property & Facility Management) for students' selection

Proud History and Strong Alumni Network

- Close-knit and large community of remarkable professionals and alumni produced over the past 80+ years



polyu.edu.hk/bre/



香港理工大学建筑及房地产学系





Prof. Zayed Tarek

Use the Code to watch the video for the 4D Visualization



Prof. Zayed Tarek's Research Projects: Optimum Construction Procedure, Sequence, and Assembly of MiC Modules

Hong Kong is facing an ageing construction workforce and a shortage of skilled labour in the industry resulting in high construction costs and reduced productivity thereby increasing the gap between the supply and demand in housing units. Modular Integrated Construction (MIC) is an innovative method where factory manufactured modules are transported to construction sites for installation. MIC has the potential to improve productivity, safety and quality while minimizing environmental impact and reducing construction time. However, adoption of MIC in Hong Kong faces the challenges of dynamic weather conditions and congested construction sites. To address the need for optimum construction procedure, and the sequencing and assembly of modules, Prof. Zayed Tarek, Professor of BRE, has led his research team in developing a hybrid simulation model composed of Discrete Event Simulation (DES) and System Dynamics (SD) to assess the productivity of MIC. Manpower and construction equipment data was used to develop the DES model while dynamic factors such as productivity and Hong Kong weather data was used in the SD model. To test and validate the developed model sensitivity analysis was carried out followed by 4D visualization using Building Information Modelling (BIM). 4D visualization can help in verifying the planning of the module assembly sequence and provide timely warnings enabling corrective steps in planning and optimization to be taken.

Research Objectives:

1. Assess crane productivity for MiC modules;
2. Design the optimum construction procedure(s), sequences, and assembly of MIC modules; and
3. Develop a BIM-based 4D model for the construction sequence of MIC assembled modules.

Project 1 | Research Findings

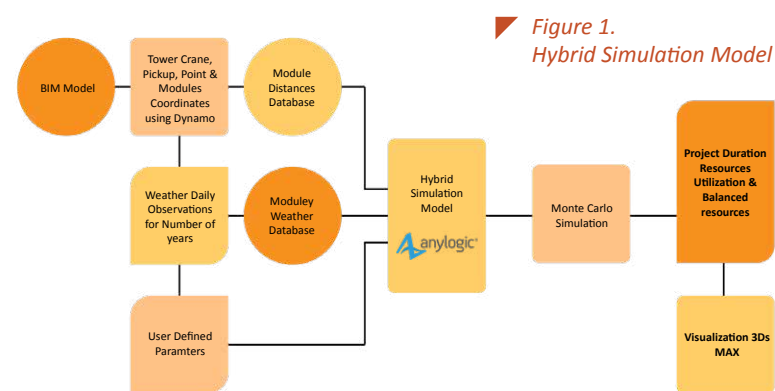


Figure 1. Hybrid Simulation Model

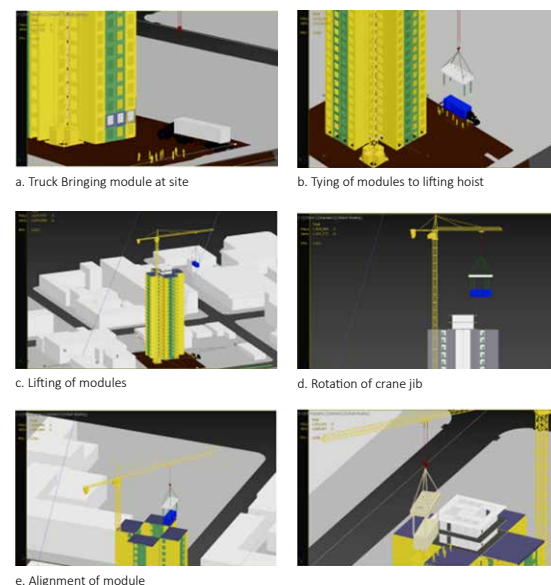


Figure 3. 4D Visualization of construction sequence assembly of MIC modules

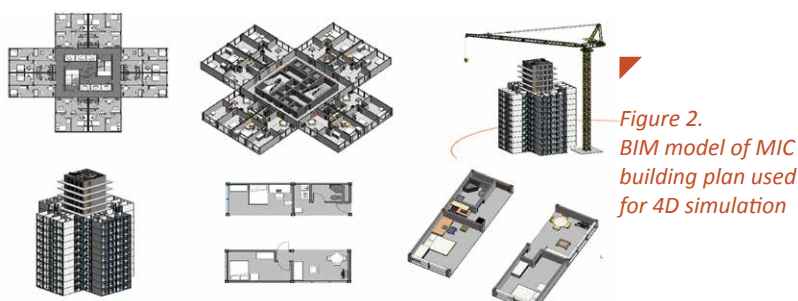


Figure 2. BIM model of MIC building plan used for 4D simulation

Smart and Sustainable Drainage Network in Hong Kong using Artificial Intelligence and Machine Learning techniques

ECF Ref. No. 58/2019

Funding Scheme Environmental Conservation Fund (ECF)



Principal Investigator

Prof. Tarek Zayed

Project Duration

2 Years

Amount Awarded

HK\$ 1,943,000

Project Status

In Progress

Around forty-five percent of the pipelines installed in Hong Kong are more than 30 years of old (with 15% more than 50 years), leading to vexing problems for the drainage infrastructure of Hong Kong. To solve this intricate challenge, Prof. Zayed proposes a smart/sustainable pipeline management system by developing a novel smart automated tool. This research project is the first attempt per se towards collecting, recording, and analyzing data related to sewers.

The proposed smart system is intended to automatically generate the condition of sewers, once new information has been added to the related database. Through close collaboration concerned with industrial experts and the concerned governmental departments, the expected outcomes are anticipated not only to have significant impact on the drainage network in Hong Kong, but also worldwide.

Research Objectives:

The major goal of this research project is to study the drainage network in Hong Kong, and to develop an innovative prototype with the following objectives:

1. Review current practices for the rating various components of the drainage network, i.e. pipelines, manholes, and accessories.
2. Identify and study the critical factors and defects that affect sewer pipeline conditions and impact on the Hong Kong environment.
3. Study the available data inventory at the Drainage Services Department (DSD).
4. Design smart and sustainable condition/deterioration, and their impact on environment models for sewer pipelines.
5. Design a smart and sustainable monitoring system.
6. Develop a prototype of an automated diagnostic tool.

Research activities in the project:

- Experts' Interviews
- Structural Equation Modeling
- Deep/machine learning and artificial intelligence techniques
- Fuzzy Modeling
- Computer Simulation

Project 2 | Research Findings

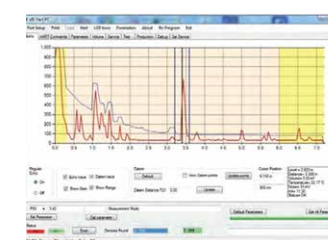


Figure 1. Level sensor and data output of the monitoring system

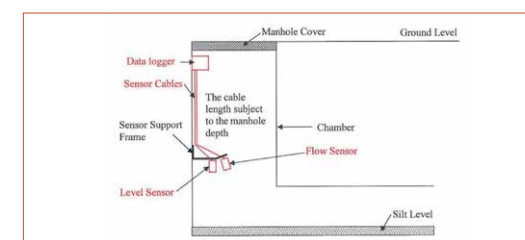


Figure 2. Installing sensor systems inside manholes

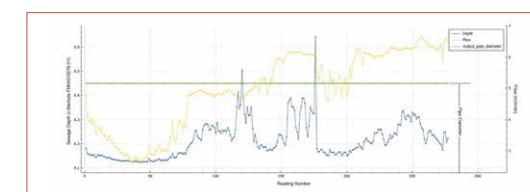


Figure 3. Installing sensor systems inside manholes

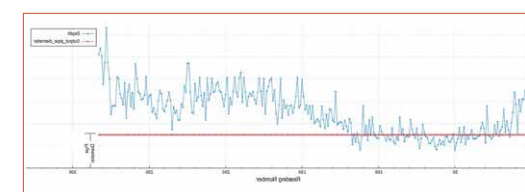


Figure 4. Installing sensor systems inside manholes

Prominent BRE Research Graduate

Prof. XU Ying 徐莹
Associate Dean, School of Public Administration,
Hunan University

Current Research Areas:
o Urbanization and urban development in China

Graduate Year in PolyU
2011

PhD Supervisor in BRE, PolyU
Prof. Edwin Chan

PhD Project Title:
The “Community Question” in the State-led Urbanization Process of
Post-reform China: A Case Study of Shanghai

I am grateful for the PhD study experience in PolyU that inspired my career and built my future. The study in BRE led me to academic research by equipping me with professional knowledge and by fostering critical thinking and analytical skills. It provided funding to support my visits to conferences in overseas universities, which helped me to develop one-on-one connections with distinguished faculty in our field. Also, I met many outstanding mentors and classmates from different backgrounds, and they became a part of my lifelong treasures. More importantly, I was lucky to be supervised by Prof. Edwin Chan, an interesting and wise man, much appreciated for his guidance and support!



Have a read of
Prof. XU Ying's profile :



- Associate editor, Journal of Housing and the Built Environment;
- Deputy Secretary-General, Political Participation Committee of the Hunan Provincial Committee of the Zhi Gong Party;
- Member, Expert Committee of Hunan Real Estate Industry Think Tank Alliance;



MAJOR ACHIEVEMENTS

Young BRE Graduates' Sharing

Discover the exciting studies in BRE, igniting the passion and reaching the potential of our graduates, fitting them for career advancement and professionalism!

BSc (Hons) in Property Management



Sr Shelley Chan

BSc (Hons), MSc, MHKIS, MRICS,
Assistant Manager
Facilities Management System
Hang Lung Properties
2010 Graduate



Watch Shelley's
Sharing :



Sr Patrick Leung

BSc (Hons), MHKIS, RPS(PFMD),
MHKIH, RPH, LEED GA, WELL AP
Head of Facilities Management, HK & Macau
Dairy Farm Company Limited
2009 Graduate



Watch Patrick's
Sharing :



More about BSc (Hons) in Property Management :
[www.polyu.edu.hk/bre/study/undergraduate-programmes/
bachelor-of-science-honours-in-property-management/](http://www.polyu.edu.hk/bre/study/undergraduate-programmes/bachelor-of-science-honours-in-property-management/)

BSc (Hons) in Surveying



Sr Dr Soei Ma
BSc (Hons), PhD, MRICS, MHKIS, MHKIBIM, BEAM Pro
Authorized Person – Surveyor & Registered Professional Surveyor (BS)
Deputy Project Manager
Project Management Department
Sun Hung Kai Real Estate Agency Limited
2008 Graduate



Watch Soei's Sharing :



Sr Ryan Wong
BSc (Hons), MRICS MHKIS RPS(BS)
LEED GA BEAM Pro
2009 Graduate



Watch Ryan's Sharing :



More about BSc (Hons) in Surveying:
www.polyu.edu.hk/bre/study/undergraduate-programmes/bachelor-of-science-honours-in-surveying/

BSc (Hons) in Building Engineering and Management



Ir Phyllis Chen
BSc (Hons), MCIOB, MHKIE, PRE, MHKICM, BEAM Pro
Project Manager
Gammon Construction Limited
2003 Graduate



Watch Phyllis's Sharing :



Ir Nathaniel Wong
BSc (Hons), MHKIE, MCIOB, MHKICM
Project Manager Construction
Henderson Land Management Company Limited
2004 Graduate



Watch Nathaniel's Sharing :



More about BSc (Hons) in Building Engineering and Management :
www.polyu.edu.hk/bre/study/undergraduate-programmes/bachelor-of-science-honours-in-building-engineering-and-management/

Warmest Welcome to New Colleagues!



Dr Hou Yuting

Assistant Professor (Urban Sustainability Policy)



Teaching areas : Research Methods, Project Studio, Urban Studies and Planning

Research interests : Land Use and Accessibility, Transportation and Economic Land, Evolution of Metropolitan Spatial Structure, Applied Spatial Analysis

"It is my great honour to join the Department of Building and Real Estate (BRE) as an Assistant Professor. I love this vibrant, supportive, and inclusive academic community, though being here for just about one month. I look forward to working with our distinguished colleagues and further contributing to the research areas of urban studies and planning. I am also passionate about integrating my research into teaching at BRE and interacting with our outstanding students."



Dr Emmanuel Kingsford Owusu

Research Assistant Professor (Construction and Real Estate Economics)



Teaching areas : Quantity Surveying and Construction Economics; Project Cost Estimating, Scheduling, and Documentation.

Research interests : Construction and Real Estate Finance, Urban Infrastructure Economics, Policy, and Governance.

"I am delighted to kick start my academic journey here in BRE, PolyU, after a successful Ph.D. journey in the same department. I am as well honored to be working with reputable scholars within BRE. I hope to give my very best to uphold the good name and integrity of the Department and the University and also take advantage of this opportunity to sharpen my research and teaching skills. My research focuses on Construction and Real Estate Finance, Urban Infrastructure Economics, Policy, and Governance. I look forward to productive and excellent days ahead."

Warmest Welcome to New Colleagues!



Mr. David Au

Assistant Technical Officer

"I am very excited to join the Department of Building and Real Estate (BRE) family as an Assistant Technical Officer. I take care of the Building Technology Laboratory in BZ207. With my previous experiences in mechanical, electrical and optical researches, I hope to contribute to excellent laboratory teaching as well as outstanding research activities with world-class colleagues and research personnel in BRE. I'm really looking forward to meeting our students and researchers in the laboratory"



Miss Kaman Mak

Executive Assistant

"I am very honoured to work and join the Department of Building and Real Estate (BRE) family. The colleagues in BRE are really friendly and helpful. Under the situation of pandemic, it brings lots of changing and challenging tasks to our daily work. BRE's harmony and positive working atmosphere helps me to adapt to work here. In future, I hope to further develop myself and contribute to the development of the Department."



Hoping that the close bond will flourish between the University and its ever-growing alumni community, since the launch of the PolyU Graduating Class Ambassador Scheme in 2014, PolyU has officially appointed more than 500 Graduating Class Ambassadors.

It was with great honour, that our newly appointed Graduating Class Ambassadors, including Maggie Ng Tsin Tung and Tiffany Tai Hiu Ying from our Surveying Programme and Tracy Cheung Suet Wai, Tony Yue Chi Ho and Xie Qiaopeng from our Building Engineering and Management Programme were invited to a briefing session at the PolyU Alumni Atrium on 21 May 2021.

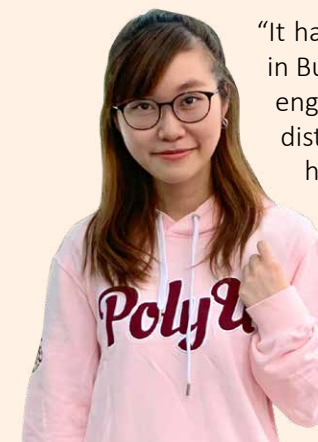
No doubt, the unified force exerted by these Ambassadors, will cause the close bond with the University to blossom further in the future as well as a bond with the young alumni themselves.

“ Maggie Ng Tsin Tung



“I am honoured to be appointed as a Graduating Class Ambassador for the class of 2021. It gives me the chance to keep in touch with my classmates, while also connecting with other senior graduates and to learn from their professional experiences. On behalf of the class, we would like to express our sincere gratitude to all teachers and staff for their continued guidance and support. They are witnesses to our growth and accomplishments. In future, I hope that I can work with other ambassadors and be a bridge connecting the PolyU and future graduating classes.”

“ Tracy Cheung Suet Wai



“It has been fulfilling to spend my past 4 years in BRE and gain a bachelor’s degree in Building Engineering and Management. BRE has shaped me into a future building engineer with the added attributes of professionalism and discipline. Despite social distancing, we stay connected with the University. I am grateful for the support I have received from all BRE staff, in both face-to-face and online teaching. It is my pleasure to be one of the Graduating Class Ambassadors as a bridge to connect my classmates with the University after graduation. I am looking forward to taking part in alumni activities and class gatherings. The best way to predict your future is to create it. There are many uncertainties in the future. It is crucial for us to equip ourselves well to overcome any obstacle and explore our talents discovered during university life. Keeping your end goal in mind and staying motivated will lead you closer to success.”

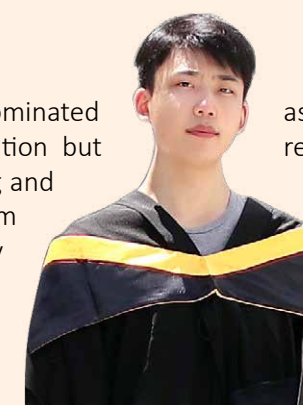
“ Tony Yue Chi Ho

“I am honoured to be elected as the Graduating Class Ambassador for the class of 2021 and to become one of the representatives of BRE. This scheme provides a great opportunity for alumni to keep in contact and connect with industry leaders. As an ambassador, no matter where I am, I will try my best to reflect the ideas and feedback from the alumni and PolyU. Last but not least, cooperating with BRE and the students, I believe we can not only improve the Hong Kong construction industry but also shape a better world.”



“ Xie Qiaopeng

“I deem it a great honor to be nominated. For me, it means not just affirmation but years, we enjoyed superior teaching and improved our levels of professionalism staff. Graduation, does not signify but rather it is time to contribute our mater. In the future, we are looking with fellow graduating classmates, with the University, and to gather



as the Graduating Class Ambassador. responsibility. During the undergraduate facilities provided by the university and with the aid of professors and disconnection with the university, part, as representatives of our alma forward to maintaining contact encouraging them to keep in touch at various alumni events.”



Tiffany Tai, Surveying Student

Tiffany says, "I am so fortunate to have Sr Paul Wong (Vice President of the Hong Kong Institute of Surveyors) in my life as one of my admirable mentors. Referred by Dr Francis Siu (Assistant Professor of BRE), I worked in his Contractor company as a surveyor. This arrangement certainly prepared me for my future career after graduation."



"No doubt, the academic knowledge gained in BRE can be seamlessly applied in the Hong Kong Construction Industry. For example, my knowledge in building measurement and my cost estimating skills helped me a lot when I participated in the tender returning process in the company's bidding team." Despite his heavy workload, Paul always planned what Tiffany learnt and kept an eye on her learning progress. He always shared with her his valuable working experiences to inspire her not to give up, continue to be persistent, and eventually achieve what she set out to do. "The efforts given by both Dr Francis Siu and Sr Paul Wong in nurturing the next generation are deeply appreciated and special thanks are due to these two teachers for guiding me professionally. Their thought-provoking visions will be beneficial to my life. I promise to make you proud of my future endeavors", she adds.

Internship in a Developer

Tracy Cheung, Building Engineering and Management Student

Tracy shared, "My summer internship in Henderson Land Development Company Limited (Construction Division) was insightful and eye-opening. Being part of the Developer's technical and planning team, I had the chance to prepare a technical submission of a tender as a building engineer. This provided me with the chance to appreciate how teams (e.g. Site team, QS team, E&M team, Façade team) work together in preparing tender documentation. Henderson Land also provided opportunities for me to be involved in managing A&A works in a shopping centre."

"The knowledge learnt from BRE can be seamlessly applied to the design of temporary works and to the control of work quality on-site. Apart from technical aspects, we always consider how to deliver the site works such that any adverse impact on tenants and customers can be kept to a minimum. With intimate staff welfare boosting our morale, I also enjoyed lunch and tea times with colleagues, as a family."



"Special thanks are due to my industrial mentors, Mr Charles Leung and Mr Emmanuel Baltazar, and my teacher, Dr Francis Siu, Assistant Professor of BRE. My WIE would never have been that fruitful without their continuous support. This exciting journey deepened my understanding of work and life in Hong Kong society, and, definitely, further made me a better person, fit for my future career in the construction industry."

Realise Your Future of Professionalism, Innovation and Success

International Professional Recognition

Chartered Institute of Building (UK)
Royal Institution of Chartered Surveyors (UK)
Hong Kong Institute of Construction Managers
Hong Kong Institute of Housing
Hong Kong Institute of Surveyors
Hong Kong Institution of Engineers

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BSc (Hons) in Building Engineering and Management
BSc (Hons) in Property Management
BSc (Hons) in Surveying



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HKPolyUBRE
香港理工大学建筑及房地产学系

THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大学

DEPARTMENT OF
BUILDING & REAL ESTATE
建築及房地產學系
INTERNATIONAL • COLLABORATIVE • CONSTRUCTION

Facing challenges across the globe, now more than ever, we continue to pursue excellence through our innovative education, application-oriented research and strong global connections.

Your generosity will certainly have a positive and profound impact on the development of our Department and the growth of our students. With your giving, we will build on our strengths to transcend boundaries, in the hope of being an ideal place for advancing knowledge and inspiring our students, tomorrow's leaders, to succeed in building a sustainable city.

You can make your donation via the QR Code below or by printing and sending the form below to The Department of Building and Real Estate, ZS726, South Tower, 7/F, Block Z, The Hong Kong Polytechnic University (by post), bscyeung@polyu.edu.hk (by email) or (852) 2764 5131 (by fax). The information you provide will be used in connection with this appeal only. To find out more, please contact us at 2766 5815.

To unlock more opportunities for the future, we look forward to receiving your donation.

Purpose of Donation:		
<input type="checkbox"/> BRE Development	<input type="checkbox"/> Research	<input type="checkbox"/> Bursary
<input type="checkbox"/> Student Development	<input type="checkbox"/> Scholarship	<input type="checkbox"/> Others (please specify: _____)
Amount of Donation: HK\$ _____		
Type of Donor:		
<input type="checkbox"/> Individual		<input type="checkbox"/> Organization (please specify: _____)
Name of Donor: *Ir/Prof./Sr/Dr/Mr/Mrs/Ms/Miss (English) (Chinese)		Name of Contact Person: *Ir/Prof./Sr/Dr/Mr/Mrs/Ms/Miss (English) (Chinese)
Contact No.: _____	Fax: _____	Email Address: _____
Correspondence Address: _____ _____ _____		
(For alumni only) Year of Graduation: _____ Programme: _____		

To unlock more opportunities for the future



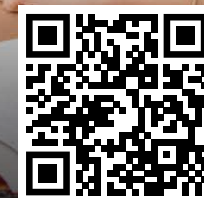
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BSc (Hons) in Property Management
BSc (Hons) in Surveying



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HKPolyUBRE



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

DEPARTMENT OF
BUILDING & REAL ESTATE
建築及房地產學系
INTERNATIONAL • COLLABORATIVE • CONSTRUCTION

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