



Chartered Institute of Housing  
英國特許房屋經理學會



### Civil Engineering Discipline 土木工程系列課程

- ◆ BEng (Hons) Civil Engineering Reg. No.: 252790 土木工程(榮譽)工程學士學位 (16 months top-up)
- ◆ Pearson BTEC Level 5 HND in Construction and the Built Environment (Civil Engineering) Reg. No.: 252255  
高級文憑 (8 modules 12 months with HNC or less with exemption)
- ◆ Pearson BTEC Level 4 HNC in Construction and the Built Environment (Civil Engineering) Reg. No.: 252336  
高級證書 (8 modules 12 months or less with exemption)

### Construction Discipline 項目施工管理系列課程

- ◆ BSc (Hons) Construction Management Reg. No.: 252321 建築管理(榮譽)學士學位 (15 months top-up)
- ◆ Pearson BTEC Level 5 HND in Construction and the Built Environment (Surveying) Reg. No.: 252254  
高級文憑 (Building Studies Stream) (8 modules 12 months with HNC or less with exemption)
- ◆ Pearson BTEC Level 4 HNC in Construction and the Built Environment (Surveying) Reg. No.: 252603  
高級證書 (Building Studies Stream) (8 modules 12 months or less with exemption)

### Surveying Discipline 建築及測量系列課程

- ◆ BSc (Hons) Quantity Surveying Reg. No.: 252322 工料測量(榮譽)學士學位 (15 months top-up)
- ◆ BSc (Hons) Building Surveying Reg. No.: 252323 建築測量(榮譽)學士學位 (15 months top-up)
- ◆ Pearson BTEC Level 5 HND in Construction and the Built Environment (Surveying) Reg. No.: 252254  
高級文憑 (QS / BS Stream) (8 modules 12 months with HNC or less with exemption)
- ◆ Pearson BTEC Level 4 HNC in Construction and the Built Environment (Surveying) Reg. No.: 252603  
高級證書 (QS / BS Stream) (8 modules 12 months or less with exemption)

### Housing Mgt. Discipline 物業(房屋)及設施管理系列課程

- ◆ BSc (Hons) Real Estate Reg. No.: 252324 產業測量(榮譽)學士學位 (15 months top-up)
- ◆ CIH Level 5 Diploma in Housing Reg. No.: 352835 專業文憑 (5 modules 10 months) - Chartered Member
- ◆ CIH Level 4 Certificate in Housing Reg. No.: 352834 專業證書 (6 modules 12 months) - Certified Practitioner
- ◆ Pearson BTEC Level 5 HND in Construction and the Built Environment (Building Services Engineering-Electrical) (QCF) Reg. No.: 252435 高級文憑 (8 modules 12 months with HNC or less with exemption)

個別業主可酌情決定是否承認本課程可令學員獲取的任何資格 - it is a matter of discretion for individual employers to recognize any qualification to which this course may lead.



# 會員通訊 Newsletter 2020年秋季



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## HKICW 會長獻辭 Message from the President



**President  
會長**  
Chan Tak Wah, Victory  
陳德華

Dear HKICW Family,

Welcome again to the 2020 Summer Newsletter.

For three months Summer time fighting and struggling hard with COVID 19, it seems that the global is beginning to see light due to coming successful vaccine at the end of year, coming through from thick clouds in the sky. It is our kind hope that we will soon claim victory and leave the gloom behind us, such that life and business will gradually resume to normal. With the help of two rounds of the Anti-Epidemic Fund (AEF) of Government, we are confident that both the construction industry and the society will stay the course to await rebound and recover in the coming future.

For the reason of epidemic safety, we now have to adopt on the online platform Zoom. The said platform is our preferred choice. Members can leverage the virtual platform with peace of mind to enable large-scale webinars, meetings and other events with using enhanced password protection and other security measures. Due to group gathering rule restriction and epidemic safety, we had to postpone and cancel many of our events and visit such as CPD and factory exchange events of local and mainland factory visit. We intend to make up the above events in 2021.

It is much appreciated to have many of our members and honorary guests during our HKICW 24th Anniversary and Annual Dinner on 8 Jan 2020. This year's banquet was indeed a successful one and we had a rich turnout of 20 tables. Regarding the photos of the events, we may go through and look at our photo's gallery.

HKICW has still contributed significant efforts as other association to compile related changes and adoption new technology of BIM and other Advanced Construction Technologies (ACT) such as construction robotics to cope with future development of the industry. The CPD and robotics factories of the above will be conducted in 2021.

Following the adoption of ACT, the Belt and Road and the Bay Area development, the huge plans of Mainland China fostered the development of Hong Kong, Macau and nine cities in China's Guangdong province, we are working along our theme in 2019-2020" Keep Close to the Times of Technology, Improve Professional Supervision and Inspection".

Besides, we still have the works group and task force with government departments as follows:

Regular meetings of Technical, Promotion, Standard Document and Practice Notes and Guidelines were conducted under the Technical Committee of the Hong Kong Building Rehabilitation Facilitation Services Limited ("HKBRFSL") of URA

Regular meetings of Flat Inspection under CIC Working Group for Flat Inspection meeting with different institutions and government authority such as HKIS, HKIA, HKFEMC, HKCSA, HKCA, REDA and Housing Department. The films regarding plastering and painting inspection procedures were uploaded to YouTube and web site of CIC and HKICW.

Recent talk with the registration service of Construction Industry Council. CIC will launch a new registration portal for the site supervisor and now at the draft stage. CIC invite HKICW to advise on the new registration. Besides, we had shared some figure and advice on their feasibility studies.

We intend to have our great 25th Anniversary (Jubilee) and Annual Dinner on 8 Jan 2021. We do hope it will be celebrated but in case of the restriction of gathering rule, we will be postponed the event to May or June 2021.

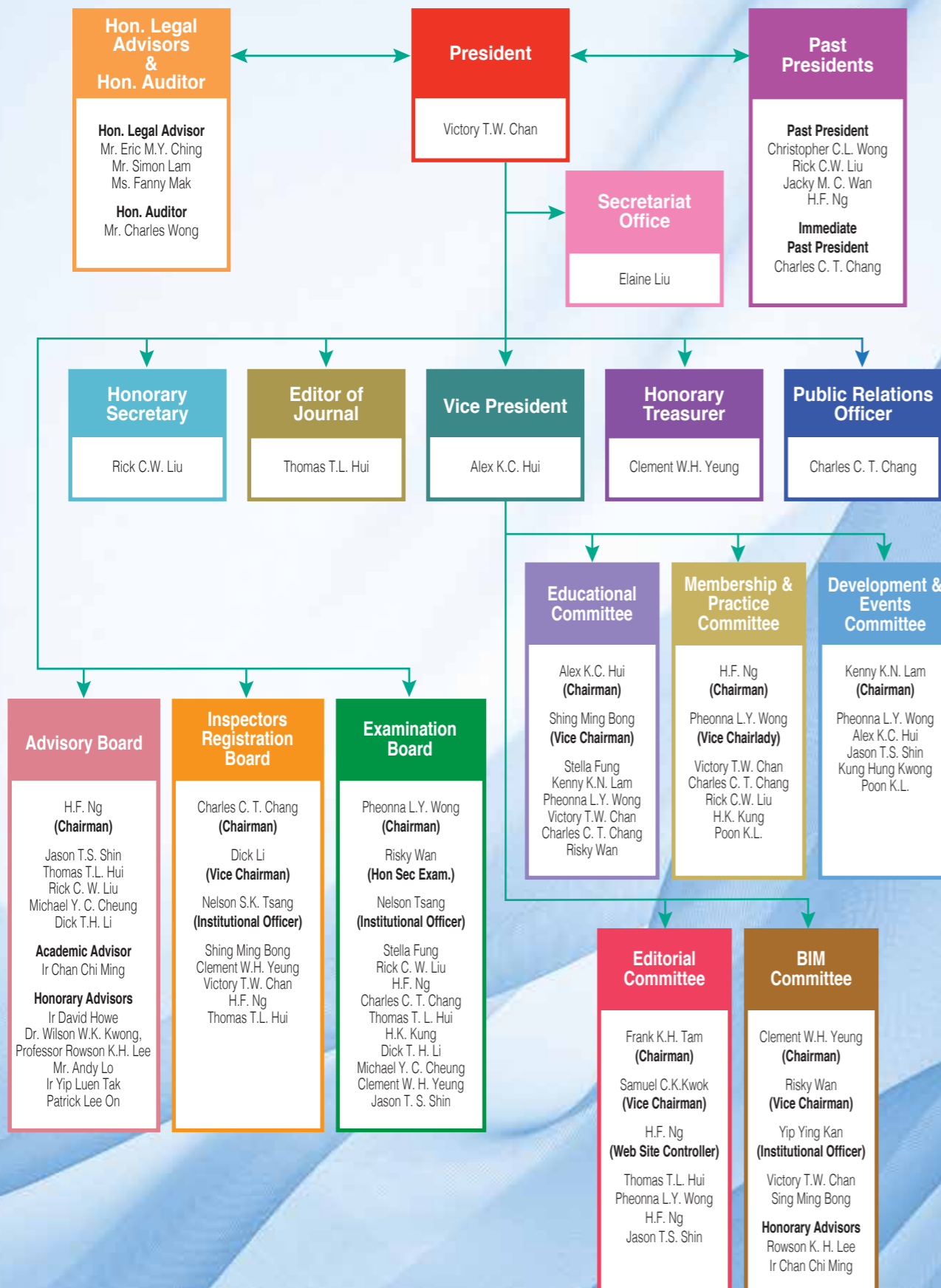
We once again appreciate our HKICW family's continued support as we move forward and help shape and happiness in the coming sunshine and health period.

Finally, I would like to again emphasis the important of communication among members. The times may be hard and tough but let hope for the best and press on towards a better future together.

Victory Chan  
President (2019 – 2021)  
HKICW

# HK 架構表 The Organization Structure

## The Hong Kong Institute of Clerks of Works Organization Chart of the Council (Session 2019-2021)



# HK 學會活動 Events & Activities

4 Jan., 2020	SZHKIPMA~ Annual Dinner
8 Jan., 2020	HKICW ~ Annual Dinner
8 Jan., 2020	Seminar ~ Introducing the Code of Ethics for Safety and Health Practitioners
11 Jan., 2020	土木龍舟隊 ~ Annual Dinner
13 Jan., 2020	HKICW ~ PRE-EXAM COURSE
15 Jan., 2020	Seminar ~ Management of Common Medical Problems of Construction Workers
18 Jan., 2020	HKICW ~ Examination Interview
12 Mar., 2020	Online Seminar ~ Prevention of Novel Coronavirus in Occupational Settings
7 May., 2020	Online Seminar ~ Management of Common Musculoskeletal Problems of Construction Workers
16 May., 2020	Online Seminar ~ WEBINAR - ASIA PACIFIC OSH PRACTICE II
18 May., 2020	Online Seminar ~ What we can learn about safety from Mega Projects – Hong Kong & China cases
6 Jun., 2020	Online Seminar ~ WEBINAR - ASIA PACIFIC OSH PRACTICE III
26 Jun., 2020	HKICW ~ PRE-EXAM COURSE
4 Jul., 2020	HKICW ~ Examination Interview
4 Jul., 2020	Online Seminar ~ WEBINAR - ASIA PACIFIC OSH PRACTICE IV
28 Aug., 2020	"Online Seminar ~ Statutory requirements of water supply for swimming pool, disinfection of swimming pool water as well as control of pool environment safety"
28 Aug., 2020	Online CPD Seminar ~Using Big Data and AI to Improve Construction Health and Safety
16 Sep., 2020	Online CPD Seminar ~ Prevention through Innovation and Design for Safety



2020  
4  
January

Shenzhen Hong Kong Institute of Professional Management Association Annual Dinner

# HKICW 學會活動 Events & Activities



2020  
8  
January  
**HKICW Annual Dinner**



2020  
11  
January  
**Civil Engineering Dragon Boat Association Annual Dinner**



2020  
18  
January

**Imm. Past President Mr. Charles Chang is cordially invited to attend IVE Engineering Graduation Ceremony 2020**



2020  
20  
January

**Annual Lunch Gathering with Ocean Park Construction Department**



2020  
21  
January

**Annual Gathering with Construction Materials Association**



2020  
19  
June

**2<sup>nd</sup> Council Meeting**



2020  
4  
July

**The second professional examination 2020 at CPE**

## Obituary



**Mr. IP Wai-cheong**  
*Hon. Treasurer*

### In memory of Mr. IP Wai-cheong Past Hon. Treasurer of HKICW

The Institution notes with sadness the passing away of Mr. IP Wai-cheong on August, 2020. Our deepest sympathy goes to his family. Mr. IP's wisdom, kindness, gentleness and embracing nature will forever be remembered. A private memorial service was held on 11 September, 2020.

Executive Council  
2019 - 2021

# HK How BIM can contribute to the optimization of construction projects under COVID-19.

- Written by Mark, Ming Kai Wong

(About the author – Mark Wong has been working in the BIM industry since 2014 in lead qualification, BIM consultancy, BIM instructor and BIM engineering service in the construction industry. He is an Autodesk Certified Instructor and holds the Autodesk Certified Professional Revit Architecture & Mechanical Building Systems certificate.)



## THE OVERVIEW

With a global focus on the COVID-19 pandemic, the construction industry is also facing a great challenge. During this period of uncertainty, there is a huge possibility that we would be asked to work from home to avoid the COVID-19 infection. It significantly affects not only social engagement but also the development of different industries, the construction industry is no exception.

Thus, there are two main intentions of this paper. One is introducing the benefit of using BIM technology in our construction industry including a helpful list of tips and tricks when working from home. The second is to present how BIM 360 platform can help us to stay connected to collaboration in construction project.

## WHAT IS “BIM” TECHNOLOGY

Building Information Modelling (BIM) is now considered the ultimate in project delivery within the AEC Industry (Azhar et al. 2008), and has the potential to revolutionize the industry (Gerrard et al. 2010).

It is a process involving the generation and management of digital representations of physical and functional characteristics of a facility. The resulting model becomes shared knowledge-resources to support decision-making about a facility from the earliest conceptual stages, through design, construction, operational life and eventual demolition (National Institute of Building Sciences buildingSMART alliance 2020).

In recent years, BIM is growing up and become

one of the most recognized construction technology for Architecture, Engineering and Construction (AEC) industry in Hong Kong. Under the COVID-19 pandemic, the advantages BIM used are into full exertion for AEC. Such as online model review, real time models collaboration, online process monitoring and control.

Revit software is one of the design software in BIM and the “Worksets” is a collaborative tool in Revit. Modeler can control any element what people are working on. It also allows us to design singular models and uses cloud computing to ensure every member of our team has access to the information they need and it provides a multi-user environment, when we create a central model, all modelers or coordinators can work as the same time though internet / server even they are not working in the same place.

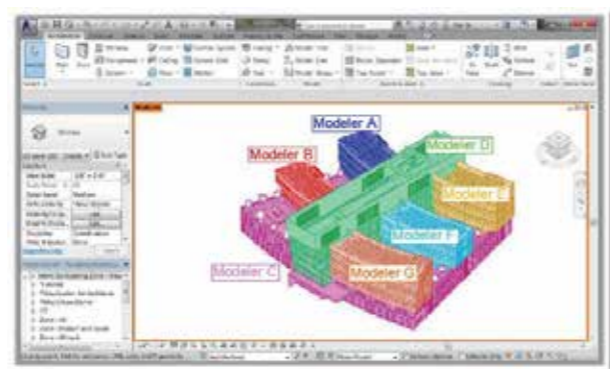


Figure 1, Running workset in Revit

## BIM 360 ONLINE PLATFORM, NEXT-GEN REMOTE DESIGN COLLABORATION

BIM 360 is a unified platform connecting your project teams and data in real-time, from design through construction, supporting informed decision-making and leading to more predictable and profitable outcomes. (Autodesk, 2020)

This platform is enable all stakeholders in the project to makes the coordination process more accurate, efficient and easier in anywhere. Everyone of authorized project member can upload models, mark-up, detect model clashes and resolve issues in real time. The biggest advantage is saving dozens of hours of manual work and reduce design errors and inaccuracies measure cause of rework onsite. Thus, this solution can improve the constructability even we are not onsite working because all information we can get from this online platform anytime, anywhere.

Team working gets a cloud boost for distributed and multi-discipline teams who use Revit, enabling the management of coordinated design. The system provides permissions- based group work with granular access to capabilities such as view, upload, edit and control per person, along with designated team workspaces. (AECMAGAZINE 2019)

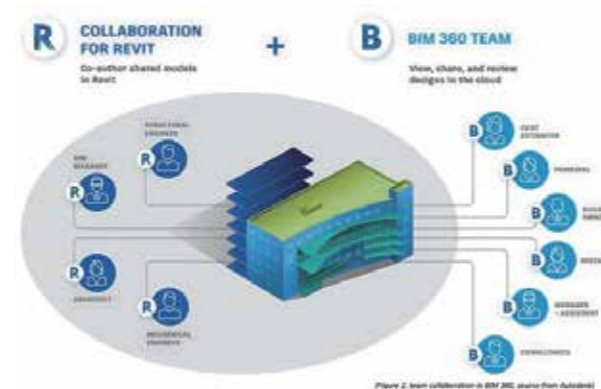


Figure 2, team collaboration in BIM 360, source from Autodesk

✓ Publishing & Viewing	✓ Cost Management
✓ Real-time Revit Collaboration	✓ Quality & Safety Management
✓ Collaboration for Civil 3D	✓ Asset & Equipment Tracking
✓ Collaboration for Plant 3D	✓ Reporting & Dashboards
✓ Coordination	✓ Mobile Access
✓ Design & Constructability Reviews	✓ Project Setup & Permissions
✓ Project Management	✓ Integrations

Table 1, Features and Capabilities in BIM 360



[6] Figure 3, BIM 360 design collaboration and measurement tools

## IN CONCLUSION

Everyone know, effective communication is vital to the successful completion of any construction project. BIM enable project teams to work together with efficient information exchange from anywhere that has an internet connection. I hope that this article presented an easy-to-understand overview of how you can stay connected to your building project with using BIM technology. Best wishes for health and project success!

## REFERENCES

1. Azhar, S., M. Hein and B. Sketo. (2008). "Building information modeling (BIM): benefits, risks and challenges." In 44th ASC Annual Conference Auburn, Alabama, edited, 2-5.
2. Eastman, C., Teicholz, P., Sacks, R., & Liston, K. (2008). BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors (1st ed.). Wiley.
3. Gerrard, Alex, Jian Zuo, George Zillante and Martin Skitmore. (2010). "Building information modeling in the Australian architecture engineering and construction industry." In Handbook of Research on Building Information Modeling and Construction Informatics: Concepts and Technologies., edited by Jason Underwood and Umüt Isikdag, 521-544. Hershey, PA: IGI Global.
4. National Institute of Building Sciences buildingSMART alliance. 2020. "National BIM Standard (V3)." Accessed 2 Aug 2020. <http://www.nationalbimstandard.org/>
5. Construction Management Software | Autodesk. (2020). "BIM 360". Accessed 6 Aug 2020. <https://www.autodesk.com/bim-360/>
6. [6]: Day, M. Autodesk BIM 360 - the heart of construction. AECMAGAZINE (2019). Accessed 6 Aug 2020. <https://www.aecmag.com/software-mainmenu-32/1763-autodesk-bim-360>



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Reg. No.: 252603 高級證書 (Construction / QS / BS Stream) (8 modules 12 months or less with exemption)

### ◆ Pearson BTEC Level 4 HNC in Construction and the Built Environment (Civil Engineering) Reg. No.: 252336 高級證書 (8 modules 12 months or less with exemption)

\* 所有課程均已在教統局註冊

\* 所有課程的同學均可向學生資助處申請免入息審查貸款

高級證書 (HNC) 無須考試，全部評核用習作模式

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- (3) 年滿 21 歲及在職 i.e. Site Clerk, Assistant Foreman and...

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- ◆ 適任技術人員 TCP1-3 職級
- ◆ WSII, WSI, ACOW

(<https://www.bd.gov.hk/english/documents/pnrc/Pnrc38.pdf>)



• 個別業主可酌情決定是否承認本課程可令學員獲取的任何資格。• It is a matter of discretion for individual employers to recognize any qualification to which this course may lead.



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