

BDN (M) / BDM (M)

Building Information Modelling (BIM) Data Management Course

建築信息模擬數據管理課程

Throughout the course users will learn how to manage the data in Common Data Environment (CDE). The CDE comprises BIM Data Staging and BIM Collaboration platforms.

	BDN (M)	BDM (M)
Objective 目的	To train up practitioners on BIM data management skills.	
Learning Outcome 學習成果	Throughout the course users will learn how to manage the data in Common Data Environment (CDE). The CDE comprises BIM Data Staging and Issue Tracking platforms. The data is stored at data staging platform which allows different parties inputting the data. The input data is verified and consolidated on the staging platform and then the data is imported to BIM and other platforms.	
Lecturer 講師	Professionals 專業人士	
Medium of Instruction 授課語言	Cantonese 廣東話	
Mode of Attendance 授課形式	Part-time day course 日間部份時間制： 14:00-18:30	Part-time evening 夜間部份時間制： 18:30-21:30
Duration 授課期	4.5 hours x 2 sessions 4.5小時 x 2堂	3 hours x 3 sessions 3小時 x 3堂
Commencing Date 開課日期	22/05/2019 (Wednesday 週三) 23/10/2019 (Wednesday 週三) *Course is offered Frequently *常有新班	10/04/2019 (Wednesday 週三) 14/08/2019 (Wednesday 週三) *Course is offered Frequently *常有新班
Award of Certificate 證書頒發	1) Completion certificate - Attended all sessions, submitted course work and attained the passing requirements. 2) Certificate of attendance - Attended all sessions. 1) 結業證書 - 出席整個課程，提交作業並達到要求。 2) 聽講證書 - 出席整個課程。	1) Completion certificate - Attended all sessions, submitted course work and attained the passing requirements. 2) Certificate of attendance - Attended all sessions. 1) 結業證書 - 出席整個課程，提交作業並達到要求。 2) 聽講證書 - 出席整個課程。
Venue 上課地點	HKIC Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon 九龍 九龍灣大業街 44 號香港建造學院九龍灣院校	
Admission Requirements 入學條件	Basic knowledge of Personal Computer is a must. Construction industry experience are highly preferred. Good command of English is required. 必須具有基本電腦操作知識。擁有建造業經驗人士更佳。需具有良好英語水平。	
Course Fee 課程費用	\$4,000.00	
Enquiry 查詢課程	2100 9000 warrenng@hkic.edu.hk	
Application Form 報名表格	Please use the 'BDN/BDM' course application form 請使用印有「BDN/BDM」之報名表	

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Course Content 課程內容

Introduction to BIM Data Management

BIM is an Information Modelling process. During the course, users will learn how to design their non-graphical data schema, data binding with BIM and issue tracking by BIM Collaboration Format (BCF) technology.

BIM Viewer Function & Practice

Rather than using an expensive software in viewing the BIM models. There are many free BIM viewers available in the market. Users will learn how to use these free BIM viewers to view the BIM model (in Industry Foundation Class (IFC) format) and its object properties.

- BIM Viewer: BIM Vision
- BIM Viewer practice and usage
- Perform the data binding on BIM with asset (asset code, location code, O&M manual etc.)

Introduction of Dynamo & Practice

Dynamo software will be used as an example to extend the usage of BIM by accessing the data and logic environment using a graphical algorithm editor.

This session will demonstrate the data import / export in Revit by Dynamo so that the data can be stored in a separate location (e.g. Excel worksheet) and connect with other systems by Globally Unique Identifier, GUID.

Users will learn how to use Dynamo visual programming importing data to model in Revit.

Common Data Environment (CDE)

CDE is an 'environment' rather than a tool. It is made to enable data integration with other platforms and data sharing among the team. Throughout a project's life, users and other team members will need to store, manage and exchange complex information.

The BIM data staging platform is a digitally shared workspace where everyone involved in the project will store and exchange asset data in the server.

BIM Collaboration by BCF

BIM Collaboration Format (BCF) is intended to simplify collaboration between different parties working on BIM by allowing them to raise issues, provide answers and make comments. It provides a communication capability that is separated from the model itself. Issues and comments, which can be enriched by screen-shots and view point sharing.

BIM Applications

At the end of the construction, users need to deliver the required construction data to their client. This includes an as-built Asset Information Model which is developed through the stages of the information delivery cycle. This model will include all of the necessary information for those managing and maintaining the building to do so more efficiently. A data binding process is introduced for different platforms integration.

PART-TIME COURSE APPLICATION FORM
部份時間制課程申請表

BDN / BDM
BMD / BME

Application for Admission to 報讀課程

Please mark ✓ in the appropriate box 課程選擇：

<input type="checkbox"/> Building Information Modelling (BIM) Data Management Course 建築信息模擬數據管理課程	<input type="checkbox"/> Day course 日間課程 (BDN) <input type="checkbox"/> Evening course 夜間課程 (BDM)
<input type="checkbox"/> Building Information Modelling (BIM) Management Course 建築信息模擬管理課程	<input type="checkbox"/> Day course 日間課程 (BMD) <input type="checkbox"/> Evening course 夜間課程 (BME)

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Notes to Applicant 申請人注意：

1. Please fill in the form in single language (unless requested otherwise) 請以單一文字填寫(特別註明除外)
2. Personal Information should correspond with that on your HKID Card 填報之個人資料應與香港身份證相同
3. Photocopy of this Application Form is acceptable 本學院接受申請表影印本
4. Applications in person should be submitted to Hong Kong Institute of Construction, Centre for Professional Development, 4/F., Kowloon Bay Campus, 44 Tai Yip Street, Kowloon Bay, Kowloon or mail to 38/F, COS Centre, 56 Tsun Yip Street, Kwun Tong, Kowloon, Hong Kong Institute of Construction or fax to 2100 9575 申請表可親身交往：九龍灣大業街 44 號 九龍灣院校 4 樓 香港建造學院 專業發展中心 或郵寄往九龍觀塘駿業街 56 號中海日升中心 38 樓 香港建造學院 或傳真至 2100 9575。
5. Applicants will be arranged to pay course fee only after application is accepted unless noted otherwise. Paid Course Fee is not refundable.
申請人在被取錄後，將獲通知繳交學費及上課詳情，已繳交之學費，將不會獲退回。

Personal Particulars 個人資料 (Please write in capital letters 請用正楷填寫)

Name (Chinese):

姓名(中文) _____

Name (English):

姓名(英文) _____

(As shown on HKID or Passport 按香港身份證或護照所示)

If your age is above 70, please '✓' the box for appropriate administrative arrangement. 如閣下年齡逾 70 歲，請在方格內加 '✓'，以便本學院作出適當的行政安排。

Date of Birth : Y 年 M 月 D 日 Age : 年齡 Sex : 性別 HKID No. : 身份證號碼

Tel. No. 電話 : (Day 日) _____ Mobile 手提電話 : _____ Fax No. 傳真號碼 : _____

Mailing Address 通訊地址 : _____ Email Address 電郵地址 : _____

Present Employer 現職公司 / 僱主名稱 : _____ Position 職位 : _____

Education Level 教育程度

Primary 小學 Secondary 中學 Tech. Inst. 工業學院 University / College 大學 / 專上學院 Professional / Others 專業 / 其他 _____

《 Personal Data Collection Statement 》 《 收集個人資料聲明 》

1. The information you provide to the Hong Kong Institute of Construction (the HKIC), including any personal data as defined in the Personal Data (Privacy) Ordinance (the Ordinance), will be used solely for purposes related to the activities of the HKIC.
你向香港建造學院〔「學院」〕所提供的資料，包括《個人資料〔私隱〕條例》所指的個人資料，只會用於相關學院之活動。
 2. To keep you informed of HKIC activities and industry developments which may be of interest, the HKIC would like to use your personal data, including your name, phone number and correspondence and email addresses, to update you in relation to training courses, trade testing, registration, events and other aspects of its work and the construction industry.
為讓你得知最新的學院活動和行業內發展情況，學院將使用你的個人資料，包括你的姓名、電話號碼、郵寄和電郵地址，將有關訓練課程、測試、註冊、活動項目、學院工作和建造業其他方面的最新資訊提供給你。
 3. You are free to decide whether you wish to receive such information. If you choose not to do so, please put a tick in the box below.
你可選擇是否同意接收上述資訊。若不同意的話，請於下列有關拒收資訊一欄之空格內加上「✓」號。
 4. You are also entitled to request access to and correction of any errors in your personal data. If you wish to do so please write to the HKIC at 38/F, COS Centre, 56 Tsun Yip Street Kwun Tong, Kowloon.
你有權要求查閱及修正你的個人資料。有關申請須以書面向香港建造學院提出，地址為九龍觀塘駿業街56號中海日升中心38樓。
- I do not wish to receive any information from the HKIC in relation to its activities developments in the construction industry
本人不同意日後接收由香港建造學院發出有關學院活動和與建造業相關的資訊。

Declaration 聲明

1. I declare that all information given in this application form is, to the best of my knowledge, accurate and complete. If any false information is given, the application is deemed to be invalid and I shall forfeit my right to apply for this course.
本人聲明本報名表內所載一切資料，依本人所知均屬真確，並知道倘若虛報資料，申請即屬無效，且喪失其後報讀本課程的資格。
2. I consent that if registered, I will conform to the regulations of HKIC.
本人同意如本人註冊入學，當遵守香港建造學院之學生守則。

Signature of Applicant 申請人簽署 _____ Date 日期 _____

To be completed by the applicant for sending admittance notice. 此欄由申請人清楚填寫

Name 姓名 : _____

Mailing Address 通訊地址 : _____