



# Conference Overview



Marina Bay Sands, Singapore, 5-7 April 2018

Advancing People, Processes and Technology

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Our mission is to be recognised as a trusted builder of communities dedicated to the digital built environment

The Digital Built Environment Institute (DBEI) is a global non-profit institution focused on promoting and enabling the adoption of BIM, VDC and other technological innovations in the Architecture, Engineering and Construction industry. Our organization is run 'by users, for users', with an application agnostic insight into changing technology and market conditions. Our community comprises of thought leaders, technology implementers, practitioners and end users who are committed to sharing their knowledge and experience to improve efficiency, productivity, and quality in design and delivery.

### **What is BILT?**

DBEI's flagship event is the Building Infrastructure Lifecycle and Technology (BILT) Conference series, a 3-day training event held annually in Australia, Europe, North America, and Asia. Comprised of over 60 classes, taught by recognised industry experts, this conference offers a level of instruction and insight upon tools and workflows that is not available anywhere else.

This is a unique conference that has been created to advance the use of technology in Design, Construction & Operations. As an independent, not-for-profit event, we focus on Solutions not Software.

Every 3-Day conference focuses on sharing the leading edge of:

- Understanding BIM workflows to enhance & accelerate design coordination.
- Using 3D models to increase project delivery capabilities and expand client services.
- Automation techniques to enhance organisational productivity and efficiency.
- Mastering BIM software for use in generating design and construction documents.
- Modelling techniques to meet government statutory requirements.
- Deployment strategy and overcoming challenges in organisational BIM implementation.

# **B**uilding **I**nfrastructure **L**ifecycle **T**echnology

3 days  
5 streams  
300+ attendees  
60+ speakers

DBEI's BILT Conference takes place over 3 days, beginning on Thursday and completing on Saturday night. The agenda consists of a mix of plenary and class sessions, providing opportunities meeting with industry colleagues, creating new connections, and sharing of ideas, woven into the flow of the 3 days.

## **Classes**

Class sessions are 75 minutes long with a speaker sharing their experiences or instruction on a topic of relevance to the AEC industry. Sessions may take the configuration of a traditional classroom lecture, or may offer hands-on instruction in a lab-setting.

## **Forum**

This involves an expert panel of international representation to discuss the Future of the Digital Built Environment. Delegates will have an opportunity to engage with leading thinkers and practitioners with a wide range of expertise within and outside of the AEC industry.

## **Exhibition Space**

With over 25 booths, delegates also have the opportunity to roam through our exhibition space to discover the latest cutting edge technology and solutions in the industry that have been carefully selected for their relevance to the event and delegates.

## **Social Events**

Our social events are designed to facilitate networking, sharing and relationship building amongst peers industry leaders.



# BILT Asia 2018

## CONFERENCE AGENDA

### DAY ONE - 5TH APRIL 2018

9:00am Chairman Introduction and Sponsor Address

10:00am Keynote Address - Paul Doherty - The Digit Group

11:00am Morning Tea

11:30am

What is a BIM Manager?

*Dan Morrison*

From Idea to 3D Printed Reality: A 3D Printed Building and Explorations of Additive Manufacturing in Architecture Design.

*Jorge Barrero*

LAB: Navisworks Clash Detection: Saving Time and \$\$\$ by setting up Clash Templates

*Deepak Maini*

Taking BIM for Structural Engineering to Infinity and Beyond

*Matt Wash*

LAB: Model Groups and a healthy design workflow

*Joseph Darling*

12:45pm Lunch

1:45pm

Taking the highest challenge in the collaborative process: the BIM leading consultant

*Chiara C. Rizzarda*

LAB: Re-invent Revit - Inventor for Revit Users! (Part 1)

*Behzad Meskini*

LAB: Taking control - construction quality control using Verity (Part 1)

*Kelly Cone*

3:15pm

Improve Workflow: Paper Prototype Your Projects' BIM Strategy for User Ability

*Elaine Lee*

MEP Construction with Graphical Programming (Dynamo)

*Umit Balaban*

LAB: Re-invent Revit - Inventor for Revit Users! (Part 2)

*Behzad Meskini*

LAB: Taking control: construction quality control using Verity (Part 2)

*Kelly Cone*

4:30pm Afternoon Tea

5:00pm

The Pilot Approach: Proving the ROI on BIM for Facilities Management

*Leo Salce*

Standard management for 25 models across 7 sites

*Dale Harrison*

Virtual Reality: An Implementation in Architectural Practice

*Gerard Teo*

LAB: Sketch modelling adoption in Building Information Models

*Anesh Narsai*

6:30pm Welcome Cocktail Party

### DAY TWO - 6TH APRIL 2018

9:00am Sponsor Success Story

9:45am Expert Panel

11:00am Morning Tea

11:15am

Implement Anything: A generalized theory of technology implementation and process change

*Kelly Cone*

Surveying and Scanning - What, Why and How?

*Daniel Kruiemel*

Worksharing outside the box with BIM360 - Collaboration for Revit

*Mike Greisen*

Manage a project in 7 months with phasing, design options and other tools

*Elaine Lee*

LAB: Revit Fabrication parts - design to construction lab

*Ralph Schoch*

12:30pm Lunch

1:30pm

Dimensions to BIM:  
Linking 3D to 4D to  
5D Case studies  
*Scott Beazley*

Bridging the Gap  
between Revit and  
Space Gass  
*Dale Harrison*

LAB: Photographs (not Photogrammetry)  
to BIM: A quick and practical alternative for  
scan to BIM (Part 2)  
*Virat Manchanda*

LAB: Everyday Dynamo:  
Practical uses for BIM  
managers (Part 1)  
*Scott Crichton*

3:00pm

Implementing Revit  
twice: The story of two  
BIMs  
*Jeames Hanley*

Let's set up our own BIM  
database with Excel, Revit and  
Dynamo - and say goodbye to  
third party add-ins together  
*Norris Ng*

LAB: Photographs (not  
Photogrammetry) to BIM: A  
quick and practical alternative  
for scan to BIM (Part 2)  
*Virat Manchanda*

LAB: Everyday Dynamo:  
Practical uses for BIM  
managers (Part 2)  
*Scott Crichton*

4:15pm Afternoon Tea

4:45pm

Practical IOT in BIM for Operations  
*Leo Salce*

LAB: Introduction to Python programming using Revit Dynamo  
*Jeremy Graham*

7:00pm Friday Evening Function Offsite

## DAY THREE - 7TH APRIL 2018

9:00am

Integrative Computational  
Design Workflow for Origami  
Modular Ceiling  
*Zhifei Cheng*

Case Study: Metro  
Sports Facility,  
Christchurch  
*Mike Greisen*

Structural Data Mining using  
Revit-Dynamo-PowerBI  
Workflow  
*Allan Cantos*

LAB: Fun with FormIt Pro? A  
Lab to Hone your FormIt skills  
*Carl Storms*

10:30am Morning Tea

10:45am

Dynamo without  
the need for  
scripting  
*Mark Abrahams*

Walls before Ducts?  
Let's find out from  
Design Milestone  
*Jiraporn Thammaraksa*

Capturing the real  
world for design,  
analysis and immersive  
experiences  
*Simon Yorke*

Save trees! Can we  
get to paperless  
construction  
documentation?  
*Scott Crichton*

LAB: Adapt or Die: Clever  
ways to exploit adaptive  
components for your  
everyday design  
*Claudio Vittori Antisari*

12:00pm Lunch

1:00pm

Is your BIM ready for FM  
*Mayurachat Chatsuwan*

Visualization World of  
Revit (key success)  
*Takrit Jirawudomchai*

Revit Productivity  
Tips and Tricks  
*Joe Banks*

Autodesk Advance Steel for  
BIM: Seamless Workflow from  
Design to Fabrication  
*Scott Crichton*

LAB: MEPF Content  
that works (Part 1)  
*Dan Morrison*

2:30pm

Be a group leader -  
managing Revit groups  
*Mark Schmieding*

Pushing the  
boundaries of cost  
& time  
*Matt Hemming*

Bridging the  
Gap between  
Infrastructure and  
Craft  
*Adam Koslud*

Unveil the secret behind Revit  
model performance: why your  
model is so slow and how to  
fix it!  
*Tuyen Dinh*

LAB: MEPF Content  
that works (Part 2)  
*Dan Morrison*

4:00pm Afternoon Tea

4:15pm Closing Keynote and Wrap Up

# Key Speakers for BILT ASIA 2018



**Keynote: Paul Doherty**  
The Digit Group

With over 20 years experience with leading architectural practices in Sydney and Paul is the President and CEO of the digit group ([www.thedigitgroupinc.com](http://www.thedigitgroupinc.com)) and is one of the global industries most sought after thought leaders, strategists and integrators of process, technology and business. A Senior Fellow of the Design Futures Council, Paul is an award winning architect, author, educator, analyst and advisor to Fortune 500 organizations, global government agencies, prominent institutions and the most prestigious architectural, engineering and contracting firms in the world. A pioneer in Building Information Modeling (BIM) and a former Fortune 500 corporate officer, Paul's current work is focused on Smart City real estate developments that include financing, design-build and innovative technology solutions in the USA, Australia, Europe, Middle East, India, Southeast Asia and China.



**Joe Banks**  
BIMedge

Joe has been working in the architectural industry since 2002 and has worked on projects from \$50k-\$900Million being responsible for high quality BIM deliverables as well as multiple Revit implementations and the training of over 300 users. This year, Joe will give his most ambitious lecture to date, detailing how various IT systems affect performance; long term IT cost and profitability; the ROI curve for IT hardware; and best practices for backup and disaster recovery processes and how they can affect business.



**Anesh Narsai**  
Cox Architecture

Anesh is a Building Information Modelling (BIM) and design technology expert with experience leading and authoring BIM projects from inception to construction with budgets up to \$830 million. As a speaker for BILT ASIA 2018 he will present a lab based around leveraging the IFC format to overcome the limitation of sketch modelling within a BIM environment and will focus on linking Revit models with the primary sketch modelling tools available - McNeel Rhino and Google SketchUp - using an array of tools from Flux, Dynamo and Grasshopper to FormIt and Geometry Gym.



**Matt Hemming**  
Mitchell Brandtman

Matt is a Partner with Mitchell Brandtman and manages the National 5D Cost Planning Team who specialise in leveraging BIM to provide clients with a new level of certainty. At this year's event he will be presenting a case study based around the firm's Advanced 5D+4D BIM workflows delivered for the KVMRT rail project in Kuala Lumpur - a \$5 billion project. The presentation will detail all phases of their implementation including discovering current business workflows and how to identify opportunities to overlay advanced BIM workflows,

## “Impressive Speakers. Excellent venue.”

James Freeman, JBA Consulting Engineers, BILT Asia  
Delegate (2017)



**Elaine Lee**

**Perkins Eastmans**

Elaine Lee is a Senior Associate and licensed architect with Perkins Eastman in Los Angeles, California. Her current role involves balancing Revit and BIM knowledge and skills with architectural experience to create, mentor, and organize design teams and projects. She believes that regardless of role nor the size of a project teams need to develop a BIM strategy together upon project startup. One of the sessions she will be presenting at BILT ASIA 2018 will see attendees develop and get peer feedback on BIM strategies that incorporate project goals and accommodate project constraints and expectations to take back to their own workplace..



**Allan Cantos**

**Ramboll UK Ltd.**

Allan Cantos is well experienced in drafting from any stages of design. He began his Revit Structure experience with Arup as a Structural Technician in 2008 where he worked for almost 7 years. He moved to London in 2015 to join Ramboll UK Ltd. as their Senior Structural Technician. His presentation will focus on setting on schedules in Revit for each structural element in the Structural Revit model, creating a simple Dynamo graph for everyone, and setting up an excel spreadsheet where the data mined from Revit will be written.



**Zhifei Cheng**

**Gensler**

Zhifei embodies the idea of a bold, innovative young designer, bringing a broad cultural experience and a strong aesthetic sensibility to her work with Gensler. Since she joined in 2015, Zhifei has worked in the Washington DC and Shanghai offices, helping add a level of cultural understanding and a global perspective to her projects. Her presentation will demonstrate how integrative computational design workflow on Revit platform enhances complex ceiling design from decision-making, modeling to documentation in real practice.



**Mayurachat Chatsuwat**

**Lumpini Wisdom and Solution Co. Ltd**

Mayurachat is a BIM Coordinator and licensed architect from Thailand. She has over 7 years experience in Revit with her current role in planning for BIM Implementation and Management in the construction and operating phase. As a speaker for BILT ASIA 2018, she will be presenting a case study on the crucial components to consider during the design and pre-construction stages of a BIM model to maintain and improve the efficiency of a building later in the post-construction and facility management stages..



**Matt Wash**

**BVN**

Matt Wash is a professional engineer, now working at Architecture BVN within their Design Technology group. Prior to this, Matt was working for over 20 years with Arup globally. Matt's presentation at BILT ASIA 2018 will focus on interoperability between structural analysis software and digital design/documentation tools. Through looking at real-life examples, Matt will showcase how structural data can yield productivity gains, minimize risk and waste and provide the best possible outcome for all stakeholders involved in the building lifecycle.

Our Other Events



**For the full details, pricing and to register for our BILT ASIA Event  
Please visit our website:  
[www.rtcevents.com/bilt/asia18/](http://www.rtcevents.com/bilt/asia18/)**

**For any questions or queries please email: [secretary@rtcevents.com](mailto:secretary@rtcevents.com)**

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