

Ben Thum is the self-titled Innovation Director of SIACAD Pte Ltd, a commercial arm of the Singapore Institute of Architects. He graduated as an architect from University Technology Malaysia. After practising for 5 years, he decided to pursue his passion for software development. He spent 15 years in software development, experimenting with various aspects of IT ranging from assembly code programming to non-linear digital video editing. Over the years, Ben and his team has developed cost-effective solutions for design, management and e-submission. Besides hardcore programming, Ben is actively involved in training which he believes is an excellent source for ideas and inspiration. An avid reader, Ben spends his free time reading everything from history, science and politics to management, fiction and spy thrillers.



“Cross Platform Buildability Score Solution” : The first version of BIM Buildability Score was developed and released by SIACAD in July 2011. Since then several projects ranging from single buildings to multiple-block complexes have been successfully computed and submitted using our Buildability Score solution. With mandatory BIM e-Submission in July 2013, it is indeed more urgent for users to understand and use buildability score computation effectively. While our first version catered only for Revit 2011, the current version supports IFC for ArchiCAD and Revit 2012-14. Besides explaining the core concepts of buildability scores, we will also share tips and tricks in handling more complex situations.

“Sneak Preview of SIA iDOL” : SIA BIG (BIM Interest Group) has spent the past year looking at various DOL (Design Object Libraries), their standards and how to make them easily accessible to BIM users. Early this year, SIACAD developed a revolutionary new approach to manage and deliver DOL's from a cloud-based engine. Aptly named SIA iDOL (internet / intelligent Design Object Library), this solution heralds a new era in ease-of-use, scalability and collaboration between various professionals, manufacturers and suppliers in the building industry.

Chidambaram is a Technical Director at RedDotBIM specialising in BIM, before setting up his own firm he was a Senior Technical Consultant in Centre for Construction IT, Building and Construction Authority providing BIM consultancy and training to the Industry. He was part of the team who developed and implemented BIM e-submission template and guidelines in Singapore. He has 13 years of BIM consultancy and training experience. He is currently teaching in BCA Academy's BIM courses and NTU's MSC in International Construction Management programme. As a Senior System Analyst he lead a team of developers involved in automatic building plan checking system that checks BIM data against building regulations for compliance. He has 5 years of experience in a Singapore based Architectural firm as well.



“Quality Assurance in BIM Management” : As BIM is widely adopted in Singapore the information management and quality assurance is getting important and complex due to the nature of the projects. Light boxes and 2D review tools do not assist on the quality assurance and review process of BIM model. Everyone is concerned on what is delivered and received as part of BIM delivery. In this presentation you will understand quality assurance in BIM management and the tools available for the BIM quality assurance process.

Paula Helene Valencia graduated B.S. Architecture in Don Honorio Ventura Technological State University, Philippines. She has work experience from Philippines, Australia and Singapore. She has over 5-years' experience in the industry involved in different projects from residential to commercial complex projects. She is also involved in the development of BIM platforms to follow standard design regulations for Singapore. She was previously involved in standardizing the procedure for production of construction drawings for one of the biggest residential developer in Australia. Having over 6 years of experience as a CAD & BIM user from preliminary design, detailing and construction document drawings, she is well experienced in using 2D, 3D and BIM platforms. She conducts presentations, BIM trainings and workshops for BIM Users, BIM Managers, and Decision Makers who are very keen to understand BIM work flow in the A/E/C industry.



“Working with BIM Collaboration Format (BCF)” : Today, designers are creating more complex buildings which lead to more detailing. A BIM model is a reflection of what is to be erected on site therefore all of its components should be incorporated inside the model to further visualize its actual output. At this point checking, issuing reports and further investigation is very tedious during this stage. In this live demonstration, we will show a simple yet effective workflow to get BIM model checking results and bringing the issues straight to your BIM authoring tool to be amended.

Date: 26th June 2013, Wednesday 3:30pm – 7:00pm

Where: SIA Theatre, 79 Neil Road, Singapore 088904

PROGRAMME:

3:30 pm: Registration

4:00 pm: Opening / Welcome Remarks by **William Lau**

4:10 pm: **“Cross Platform Buildability Score Solution”** by **Ben Thum**

4:55 pm: Intermission

5:05 pm: **“Quality Assurance in BIM Management”** by **Chidambaram**

5:50 pm: **“Working with BIM Collaboration Format (BCF)”** by **Paula Helene Valencia**

6:35 pm: **“Sneak Preview of SIA iDOL”** by **Ben Thum**

6:45 pm: Special Thanks from Sponsor

6:55 pm: Closing Remarks by **William Lau**

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