Co-organisers:

THE HONG KONG INSTITUTE OF SURVEYORS
香港測量師學會
工料測量組 Quantity Surveying Division

CONSTRUCTION INDUSTRY COUNCIL
建造業議會

AIQS AUSTRALIAN INSTITUTE OF QUANTITY SURVEYORS

ROYAL INSTITUTION OF SURVEYORS MALAYSIA

Singapore Institute of Surveyors and Valuers

International QS BIM Conference 2017 Hong Kong

Early Bird Enrolment extended to 15 September 2017!

New speaker and abstract added!

6 CPD Hours

Date : 18 November 2017 (Sat)

Time : 9am - 5pm

Venue : Regal Ballroom, Regal Hongkong Hotel,
88 Yee Wo Street, Causeway Bay

Gold Sponsor:

nomitech
New Open Mind Technologies

Silver Sponsors:

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International QS BIM Conference 2017 Hong Kong

The International QS BIM Conference 2017 Hong Kong with the theme of **"Quantity Take-off (QTO), Cost Management and the Way Forward of BIM for Quantity Surveyors"** aims to share both local and overseas BIM experience and expertise in construction budget planning and cost management.

SPEAKERS & PRESENTATION TOPICS

Keynote speaker	Title	Topic
 Ms. Ada FUNG Yin Suen, BBS, JP	Deputy Director of Housing (Development & Construction), Hong Kong Housing Authority, Hong Kong	Building a Collaborative Future: BIM in Hong Kong
Speakers (In alphabetical order)	**Title**	**Topic**
 Mr. CHENG Tai Fatt	Deputy Managing Director, BCA Academy and BERII, Building & Construction Authority, Singapore	Singapore BIM Roadmap
 Ms. KWONG Chin Wei	BIM Technical Committee of QS Div, RISM, Malaysia	Getting The Right Footing for 5D BIM - The Malaysian Experience
 Mr. Eugene SEAH Hsiu Min	Senior Director (Special Projects), GCEO's Office, Director, Threesixty Cost Management Pte. Ltd. & Threesixty Contract Advisory Pte. Ltd., Singapore SISV Representative	QS and BIM; Blue Ocean or Red Sea?
 Mr. Nathan TREVASKIS	Director, Bimfire Pty Ltd., AIQS Representative	Can the Industry Cope with 5D BIM?
 Ms. Rosana WONG	Executive Director, Yau Lee Holdings Limited, Hong Kong	Smart Transformation: From Micro to Macro Level of Full Life Cycle Management
 Dr. Robert YUAN Zheng Gang	President, Glodon Company Limited, China	Update of BIM Software Development
Gold Sponsors' speakers (In alphabetical order)	**Title**	**Topic**
 Mr. Tolis CHATZISYMEON	CEO & Co-Founder of Nomitech Ltd	Nomitech's ICMS Web-based Technology for Improving Early Phase Project Decisions and Historical Analysis, Infrastructure Estimating Automation and BIM Based Estimating Techniques from Concept up to the Bidding Phase

* Programme, Topics and Speakers are subject to change without any prior notice.
The Conference will be conducted in English unless noted otherwise.

FEE PACKAGES (Whole-day conference including lunch and 2 coffee breaks with light refreshments)

- **Early Bird** (payment made on or before 15 September 2017, Friday): **HK$960** (Professional and technical members and staff of Co-organisers and Supporting Organisations) / **HK$1,120** (Others)
- **Standard:** **HK$1,200** (Professional and technical members and staff of Co-organisers and Supporting Organisations) / **HK$1,400** (Others)
- **Full-time Students** (Lunch is not included): **HK$200**

RESERVATION

Please click: http://form.redasia.com.hk/qsbim2017

For completing the enrolment, please settle the payment by EITHER returning the signed credit card authorization form via email: qsd.bim@redasia.com.hk / Fax: +852 3186-6810 OR posting the enrolment confirmation email together with a crossed cheque payable to "Surveyors Services Limited" to Ms Wing LAM / Ms May KWOK at: Red Asia Communications Ltd. (Conference Secretariat) Room 1706, Fook Yip Building, No. 53-57 Kwai Fung Crescent, Kwai Fong, Hong Kong

As seats are limited, enrolment will be accepted on a first-come-first-served basis after receipt of payment

For enquiries, please contact Ms Wing LAM / Ms May KWOK (Conference Secretariat, Red Asia Communications Ltd.) at +852 3421-1463 / qsd.bim@redasia.com.hk

Supporting Organisations:

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DEPARTMENT OF BUILDING & REAL ESTATE
CityU

International QS BIM Conference 2017 Hong Kong

SPEECH ABSTRACTS (in alphabetical order of speakers' names; subject to additions and final revisions)

Mr. Tolis CHATZISYMEON

Nomitech's ICMS Web-based Technology for Improving Early Phase Project Decisions and Historical Analysis, Infrastructure Estimating Automation and BIM Based Estimating Techniques from Concept up to the Bidding Phase

During this presentation, Mr. Tolis Chatzisymeon, Nomitech's CEO, will be presenting a quick application of the new International Construction Measurement Standards (ICMS) on Nomitech's just released Web Based Cost Modeller System (COS.MO.S) to predict multiple type project costs and analyse project history.

In addition he will provide a practical example of the CostOS Estimating Software in Conjunction with Arup's commercial Infrastructure Knowledgebase to optimise the Cost of Rail and Highway projects, as applied on European Megaprojects.

BIM requires different types of techniques for different levels of detail when it comes to pricing the model. CostOS Estimating can use the provided information in the model, combine it with parametric models and produce quantified and traceable estimates at various stages. If the BIM model is "mature" CostOS can intelligently identify and price all BIM elements. Three quick practical examples will be provided to showcase this approach.

Mr. CHENG Tai Fatt

SINGAPORE BIM ROADMAP

Mr. Cheng will share on Singapore BIM journey to change the way they build through adoption of BIM (Building Information Modelling) and VDC (Virtual Design and Construction).

He will also share on the challenges in the journey and the efforts put in place to address them. He will also cover aspects of R&D for digital engineering.

Ms. KWONG Chin Wei

GETTING THE RIGHT FOOTING FOR 5D BIM – THE MALAYSIAN EXPERIENCE

Building Information Modelling (BIM) process is often desired to be incorporated by the project stakeholders. However, majority of the BIM models are produced at a level of development that is only sufficient and fit for design purposes. Information about quantities and costs is often neglected, hence quantity take-offs and generation of Bill of Quantities together with its cost estimates could not be considered as 5D BIM just yet. In Malaysia, the Bills of Quantities still hold a great importance in the pre- and post-contract phases. Hence in order to generate quantities out of the BIM model, a comprehensive thought process prior to the design stage is important to ensure a BIM process that could be described as integrated and automated. This paper includes a case study on the processes involved in order to adopt 5D BIM.

Mr. Eugene SEAH Hsiu Min

QS AND BIM; BLUE OCEAN OR RED SEA?

The QS and how BIM affects our profession, has been a hot topic for some time. And it still is a hot topic. Talks of the QS losing the measurement skillset to the computer is one of the topics discussed. Well, being in Surbana Jurong that is investing in and leading the BIM and Digital in Construction and Real Estate, there are several learning and touch points on this subject matter. This presentation touches on the pertinent issues on how BIM affects the QS profession and the practices and procedures. The discussion of BIM will include BIM related talking points such as computational, DFMA, behavioural changes and a relook into procurement types.

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SPEECH ABSTRACTS (in alphabetical order of speakers' names; subject to additions and final revisions)

Mr. Nathan TREVASKIS

CAN THE INDUSTRY COPE WITH 5D BIM?

The Quantity Surveying/Cost Planning profession has reason to be particularly enthusiastic about the tangible industry development of Building Information Modelling. You could even say that these members of the industry have reason to be the most enthusiastic of any of the relevant AEC professional disciplines.

Entire industries find themselves partially or in some cases fully immersed in the reality of BIM and the opportunities it presents. Fear of the unknown has delayed the evolution of uptake of the sophisticated digital procurement method; however even within a traditionally adversarial project delivery structure, the benefits and efficiencies still manage to emerge, providing value to all who are exposed.

For those who pursue excellence in the realms of efficiency, collaboration, transparency, value and integrity, the reality of full BIM implementation from the feasibility, design, shop drawing, construction, commissioning and operation is essential. Traditional procurement simply cannot match a fully enabled BIM procurement model.

So the question laid bare is where do we start the conversion? This presentation will go into specific detail and attempt to provide strong direction on this matter.

Ms. Rosana WONG

SMART TRANSFORMATION: FROM MICRO TO MACRO LEVEL OF FULL LIFE CYCLE MANAGEMENT

The world is facing rapid urbanization and this challenge requires us to formulate strategic green building solutions towards a sustainable 21st century. Ms. Rosana Wong has led to make significant strides on transforming the BIM process into a Micro to Marco Level of Full Life Cycle Management Approach. Ms. Wong will be illustrating some live projects to show how multidisciplinary design optimization, 3D construction, 5D project management, GIS-enabled urban planning & environmental analysis (HKBEAM Plus), spatial data infrastructure & augmented reality (AR) solution, manufacturing, as well as facility management greatly innovate a lean construction in particular QTO and cost management to create a smarter, greener and sustainable living to the community.

Dr. Robert YUAN Zheng Gang

UPDATE OF QS BIM SOFTWARE'S DEVELOPMENT

Considering the development needs of the AEC industry and related technologies, QS BIM software companies in China are driving two trends of QS BIM software's development for the future.

- **Extend its application to the whole life cycle of building projects**

  Now QS BIM software is used mainly in the bidding phase, because it still cannot meet the requirement in the design and construction phases.

  As we can see, some large construction companies have been acquiring design companies, and the integration of design and construction is a probable trend of this industry. So, QS BIM software has to be strengthened, so that it can be applied in all the phases (design, bidding, and construction). This will be quite necessary for improving the effectiveness of construction companies' work.

- **Combine with Big Data**

  The Big Data concept is developing rapidly now in all fields. It will also change the QS work of this industry. Combining the Big Data concept and QS BIM software, enormous data of a great number of building projects (price lists, material quantities, BIM models, construction workers' time input, building components and equipment, etc.) will be collected and accumulated into a database. With this, before the QS work on a new project starts, the QS BIM software can first analyze those data. With the analysis results, the subsequent QS work across the whole building life cycle will be rather easy and accurate. This will mean "Smart QS".

Dr. Yuan will give a detailed update of the above development.