



PAQS CONGRESS 2023

DECARBONISING THE FUTURE

THE ROLE OF QS

E-PROGRAMME BOOK



SUPPORTED BY



DIGITAL TRANSFORMATION OF QUANTITY SURVEYING PRACTICE TOWARDS 5D BIM

Cubicost 5D BIM Digital Cost Management solution, aims to provide timely and useful information on construction projects costs throughout the project lifecycle.

5D BIM Solution

TAS 5D BIM Quantity Takeoff for Architecture and Structure

- Fast and accurate 2D to 3D quantification with local measurement deductions
- 3D Visually aided quantity deduction for ease of checking and understanding
- Flexible model zoning for professional subcon coordination and progress tracking
- Cubicost Cloud enabling easy access to work collaboration

TME 5D BIM Quantity Takeoff for Mechanical and Electrical

- Easily generate customized quantity reports that supports area classification
- Quickly calculate MEP items with intelligent identification methods
- Visualize and trace quantities in 3D for improved decision-making
- Avoid cost overruns and minimize reworks with clash detection feature

TRB 5D BIM Quantity Takeoff for Rebar

- Fast and accurate 2D to 3D quantification with local rebar specification compliance
- 3D Visually aided rebar arrangements provide ease of checking and understanding site use
- Easy and professional quantity extraction for various reporting needs
- Interoperable model and quantity information minimizes repetitive work and expedite project costing

TBQ 5D BIM Digital Cost Estimation and Management

- Rapidly compile, generate and evaluate tender BQ
- Produce accurate quotation with rate built-up and analysis tools; adjust easily; submit effortlessly with 'auto-inking'
- Lean and intelligent data management in a unified platform – quantity, cost, addendum
- Work collaboration with flexible permission settings

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Glodon Philippines : ph@global.glodon.com
Others : cuisy-a@global.glodon.com



The building sector is responsible for nearly half of annual global carbon dioxide emissions and therefore reducing carbon emissions has become the trend for future buildings. Carbon emissions from buildings and construction projects are sourced from both operational emissions; largely due to the energy used in operating the building throughout its life and; embodied emissions, by and large, attributable to the energy used for the extraction, processing, manufacturing, and delivery of building and construction materials to the project site.

Despite the fact that the transition to a low-carbon economy is gaining momentum, there is still a great deal of work to be achieved. Decarbonisation involves significant commitment from everyone. It requires a transformational shift in the way we operate; from sourcing, using, consuming, and thinking about energy. It also requires a substantial financial commitment from investors and governments.

PAQS 2023 brings you closer to synergising this effort of decarbonisation of our built environment. Quantity Surveyors and Cost Engineers have roles to play in this mission. Papers and presentations of new and emerging ideas are welcome through the following sub-themes.

22 - 26 SEPTEMBER 2023
BERJAYA TIMES SQUARE | KUALA LUMPUR

WWW.PAQS2023.COM



- ✓ Approved for 8 CPD points (Board of Quantity Surveyors Malaysia)
- ✓ Approved for 25 CCD points (Construction Industry Development Board)
- ✓ Approved for 12 CPD points (Malaysia Board Of Technologists)

Supported By



SUB-THEME 1

QUANTITY SURVEYOR'S ROLES, PRACTICES AND MANAGEMENT IN CARBON EFFICIENCY

This theme invites industry practitioners and academia views and records of best practices on the effort exerted in reducing carbon footprint within a wide range of quantity surveying practices. It aims to gather insight into the changing roles, and the way practices ought to adapt to the change brought by resilient future practices in quantity surveying and beyond. This theme embraces the fundamental topic of management in quantity surveying practices, alignment of carbon awareness with quantification and finance, and the efficient use of resources. The growing interest in the effect of carbon on the wide range of quantity surveying practices and management would be addressed in meeting the need for sustainable quantity surveying practices.



SUB-THEME 2

BUILDING LIVEABLE AND RESILIENT CITIES

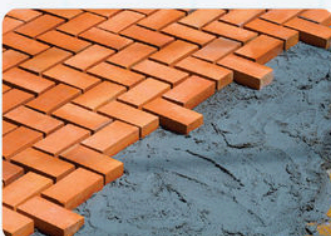
Green and sustainable solutions are called upon to make our built environment more liveable and resilient to deal with climate change implications. Green policies, such as carbon pricing schemes and renewable portfolio standards for green buildings and sustainable city planning may not be adequate and efficiently adopted in practice for delivering the United Nations' Sustainable Development Goals (SDG). Building design features should promote human well-being and decarbonisation through the state-of-art of adoption of sustainable solutions in the built environment. This also requires industry stakeholders' engagement and involvement in the environment, social and governance (ESG) and sustainability initiatives. Circular initiatives and people-centricity features should transform the delivery system of sustainable buildings. This theme invites novel solutions and case studies of liveable and resilient cities from all over the region.



SUB-THEME 3

INTEGRATIVE AND COLLABORATIVE PROJECT DELIVERY

Would this integrative and collaborative project delivery have implications for future sustainability and has become a key area to promote low carbon emission projects? Integrative and collaborative aims to optimize the benefits of collaborative working in construction project delivery. New technologies emerged pledge to deliver efficiency, cost savings, and productivity increases to the construction industry. The application of building information modelling (BIM) also drives the construction industry for more integrative and collaborative project delivery. Would the integrated project delivery and effective integration strategies enhance connectivity and collaboration between major stakeholders? This theme invites all industry practitioners and academia to share their views, experience, and best practices to pursue the drivers for effective collaborative working in construction project delivery.



SUB-THEME 4

CONSTRUCTION MATERIALS FOR A LOW-CARBON FUTURE

Modern green buildings consider low-carbon options like green concrete, recycled steel, or mass timber. However, making the exact right choice is not an easy thing. Buildings should be designed and materials selected based on the balanced consideration of the embodied energy with factors such as climate, availability of materials, and transport costs. This theme invites novel ideas and solutions for low-carbon building and construction materials and technology and the whole life cycle of the built environment. Topics may include but are not limited to novel low carbon materials production and pricing, material reuse and recycling, green demolition and reconstruction.

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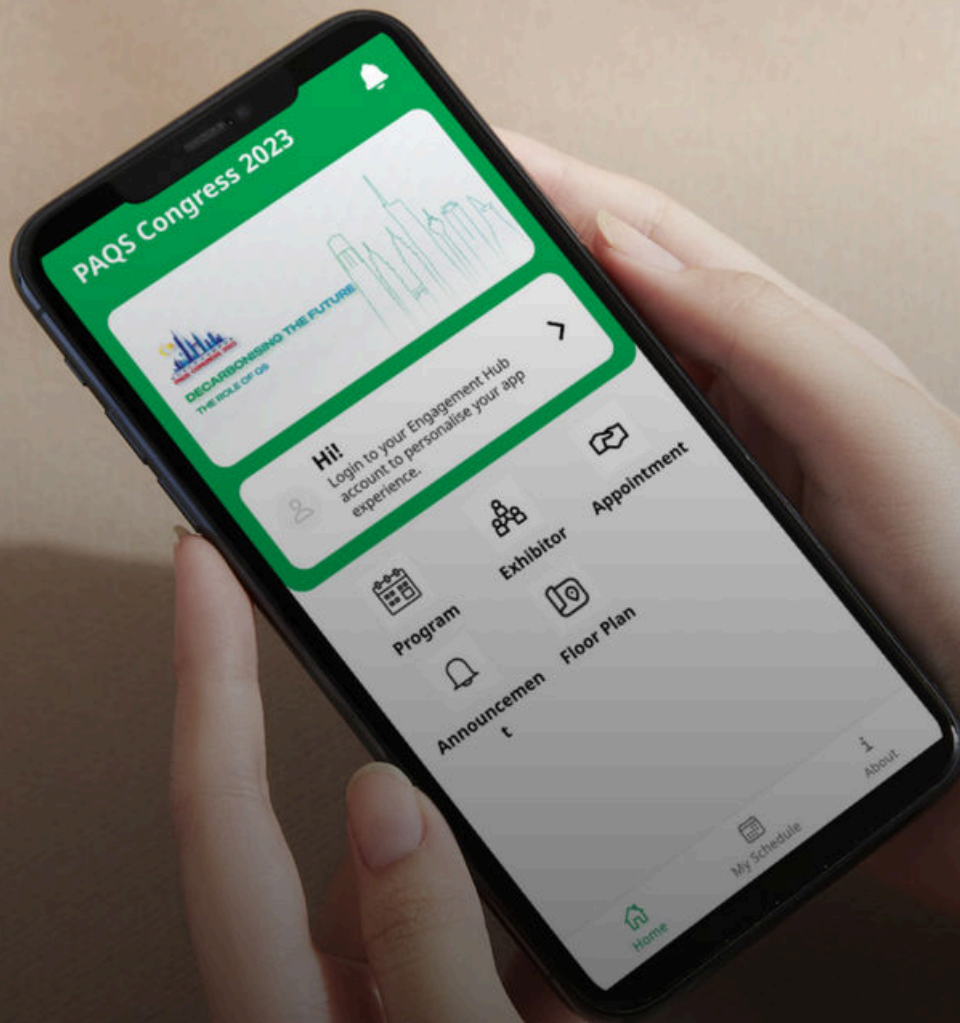
YQS PROGRAMME PARTNER



IQSAF PARTNER



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PAQS 2023 App

One-stop PAQS 2023 experience

- Access all PAQS 2023 information
- Exhibitor List and Floor Map
- Make appointments with delegates & exhibitors
- Notifications and Programme Schedule





WELCOME MESSAGE

CHAIRMAN OF PAQS 2023 ORGANISING COMMITTEE
Sr NAZIR MUHAMAD NOR, FRISM

Selamat Datang ke Kuala Lumpur,

Distinguished delegates from across the PAQS member countries, to the 26th PAQS Congress! We are thrilled to host this prestigious event for the fourth time in the vibrant heart of Malaysia, from September 22nd to 26th, 2023, at the iconic Berjaya Times Square Hotel.

Malaysia's rich history with PAQS began in 1999, and we have since been honored to host in 2009 (in Kuala Lumpur) and 2019 (in Kuching). This year, it is the Royal Institution of Surveyors Malaysia (RISM) that extends its warm welcome to the bustling metropolis of Kuala Lumpur for PAQS 2023.

The theme of this Congress, "Decarbonising the Future - The Roles of Quantity Surveyor," is particularly timely. We recognize the pivotal role Quantity Surveyors (QS) have in shaping a sustainable future. The innovative construction practices they employ, their commitment to decarbonization, and their understanding that this is a collective journey are essential. No single person or organization holds all the answers; it is through collaboration and shared knowledge that we'll make meaningful progress.

We're in an energy efficiency race, and QS professionals are key players. The potential for their impact on sustainability is immense. Together, we can pave the way for a greener and more resilient built environment.

As we gather, let us express our gratitude to the PAQS Congress 2023 Committee, as well as our generous sponsors, including Glodon, CYPE, IJM, RIB, CCC (ECRL), T&T, Southern Steel, Feruni, Allborg Portland, MKRS, PIFM, and MTwo whose support has been instrumental in making this event possible. We also extend our thanks to our esteemed supporters, CIDB Malaysia, MyCEB, and the Ministry of Tourism.

Before we conclude, allow us to share a "Pantun" in Bahasa Malaysia:

"Selamat Datang ke Kuala Lumpur,
Tempat PAQS 2023 akan bersidang,
Berkolaborasi, hijau, dan inovatif bertempur,
Bersama QS menuju gemilang"

Once again, welcome to Kuala Lumpur, and let's embark on this transformative journey towards a sustainable and decarbonised future together.



WELCOME MESSAGE

CHAIR OF PACIFIC ASSOCIATION OF QUANTITY SURVEYORS
PROFESSOR CHITRA WEDDIKARA

Greetings to all!

On behalf of the Pacific Association of Quantity Surveyors, I would like to warmly welcome all delegates to the PAQS Congress 2023 held in Kuala Lumpur, the beautiful capital city of Malaysia.

First and foremost, I would like to thank the Royal Institution of Surveyors Malaysia for hosting the Congress and your warm hospitality. The theme of the Congress this year is Decarbonising the Future, The Role of QS. This is a timely topic that requires commitment from each and everyone of us. The quantity surveyors and cost engineers play important roles to explore areas like sustainable construction, green economics, green procurement and the like that would help to reduce carbon emission and also to achieve net zero emission.

Sustainability requires a joint effort from various parties and it requires policies from the government, environmental and social efforts from profit and non-profit organizations, and technical and economic efforts from the professionals. Seemingly, our professions, as quantity surveyors and cost engineers, made us the right person to advise on the procurement and costing that would help to decarbonise our future. With such platform like PAQS Congress 2023, we would be able to explore the way forward and avenues in achieving decarbonisation together.

Since construction industry is one of the industries that accounts for a large proportion of carbon emission through energy use and manufacturing of building materials. We must move together to raise this awareness within the construction industry and to the public, and promote our services and explore business opportunities in the green and sustainability directions. I hope that through the expert keynotes, industry presentations, and research presentations, everyone will be enlightened and inspired to explore opportunities and possibilities in the decarbonisation business.

Finally, I would like to thank all delegates from far and near who are present here today for making this Congress a success! I wish the Congress every success and I hope everyone enjoys the Malaysian hospitality as much as I do.

Thank you.



WELCOME MESSAGE

PRESIDENT OF ROYAL INSTITUTION OF SURVEYORS MALAYSIA
Sr HAJI ADZMAN SHAH BIN HAJI MOHD ARIFFIN

Selamat Datang!

On behalf of RISM, I would like to extend a warm welcome to all delegates to this Pacific Association of Quantity Surveyors Congress 2023. First and foremost, I would like to thank the Construction Industry Development Board, Malaysia and Malaysia Convention & Exhibition Bureau for their support in making this event possible.

The PAQS is currently a 15-nation coalition and I believe that the PAQS will continue to grow and expand in scale. This is an event which PAQS countries and observing countries look forward to yearly. I am also delighted and proud to say that this is the fourth time RISM is hosting the PAQS Congress. We hope this annual event will continue to create many more possibilities for networking and collaboration among peers and businesses for the betterment of the quantity surveying profession.

We are here today looking forward to be inspired by keynotes, presentations, and sharing sessions on “Decarbonizing the Future”. Scientists have also claimed that economic activity rather than population primarily drives carbon emissions. In 2019, the “Bringing Embodied Carbon Upfront” reported that the building and construction industry currently accounts for 39% of global carbon emissions. Hence, this is a pivotal topic for us, especially for the quantity surveyors and cost engineers present here today, to play your role in reducing carbon emissions in construction.

I wish all delegates a fruitful Congress and to our international friends, I hope you will enjoy our Malaysian hospitality. I hope you will extend your stay to explore our Truly Asia Malaysia experience with a rich tapestry of culture and history, delectable cuisine, and breath-taking natural beauty.

Thank you.



**Respected Past.
Responsible Future.**

Celebrating 40 YEARS of synergy and progress.

As we mark four extraordinary decades in developing sustainable townships, building and connecting communities while driving Malaysia's construction and infrastructure industry forward, we reflect on our journey filled with resilience and perseverance against all odds.

To all who have played a vital role in our journey towards achieving this milestone, we thank and honour you. We remain committed to setting benchmarks and being at the forefront of this rapidly evolving world, responsibly; delivering possibilities to reshape landscapes that inspire a better tomorrow.



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Tel: +603 7985 8288 Email: ijm@ijm.com www.ijm.com




INTERNATIONAL QUANTITY SURVEYING ACADEMIC FORUM (IQSAF) 2023

IN CONJUNCTION WITH PAQS 2023




DETAILS

 23rd September 2023
(Saturday).

 8.00 am – 2.00 pm.

 Heriot-Watt University
Malaysia Campus.

 Approved for 2 CPD
points (BQSM)

 Scan here for more
details.



INTRODUCTION

The construction industry plays a key role in helping Malaysia move towards realizing the National Construction Policy 2030. Hence, the Malaysian construction sector is set to move in tandem with the Sustainable Development Goal through National Construction Policy 2030's strategic structure. International Quantity Surveying Academic Forum (IQSAF) 2023 is aimed to discuss QS's roles and responsibilities in building sustainable infrastructure by designing infrastructure in ways that will bring and maintain sound sustainable development while also protecting vital natural resources and the environment.



OBJECTIVES

- To foster collaboration among higher learning institutions for the purpose of providing useful and innovative ideas of quantity surveying and cost engineering strategy for sustainable construction;
- To gain more insights towards best practices in quantity surveying and cost engineering from the industrialist perspectives on sustainability.



TARGET PARTICIPANTS

The audience will include representatives from across the quantity surveying and cost engineering profession including, academicians, research institutions, public universities, private universities, professional boards and, associations.

ORGANISED BY:



EVENT INFORMATION PACK FOR PARTICIPANTS

ABOUT EVENT

INTERNATIONAL QUANTITY SURVEYING ACADEMIC FORUM (IQSAF) 2023

Date: 23rd September 2023 (Saturday)

Time: 8.00 am – 2.00 pm

*Venue: Heriot-Watt University Malaysia
Campus, 1, Jalan Venna P5/2, Precinct 5,
62200 Putrajaya, Wilayah Persekutuan
Putrajaya*

TARGET PARTICIPANTS

The audience will include representatives from across the quantity surveying and cost engineering profession including, academicians, research institutions, public universities, private universities, professional boards and associations.

ATTIRE

All participants expected to be in office attire or smart casual

REGISTRATION

PAQS participants are eligible to attend IQSAF2023

*Fees: RM150/pax (non-PAQS participant)
(Free of charge for PAQS participant)*

Register yourself now!



*Scan here or visit
<https://paqs2023.com/iqsaf/>*

IQSAF2023

CANCELLATION

In the event the participants are unable to fulfill his/her obligations, we would like to seek your kind assistance to notify the organizer and provide information on his/her replacement. Please notify the Event Secretariat (Refer Person in Charge List)

WELCOME TO PUTRAJAYA

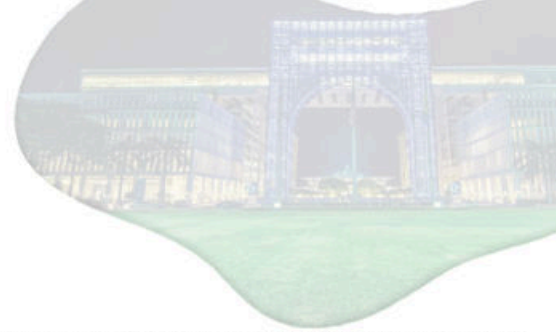


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TENTATIVE PROGRAMME



Please find the updated forum program below. Should there be any changes to the program, the FINAL program will be shared with all participants on the day of the event.

TIME	PARTICULARS	VENUE
8.00am – 9.00am	Registration & Breakfast (meet and greet - networking)	Plaza Heriot-Watt University Malaysia Campus, Putrajaya
8.20am – 9.00am	Arrival of VIP, speakers, and panels & breakfast	VIP Holding Room (LR4) Heriot-Watt University Malaysia Campus, Putrajaya
8.55am – 9.00am	Health and Safety Briefing by HWUM H&S Manager	Lecture Theatre 1 Heriot-Watt University Malaysia Campus, Putrajaya
9.00am – 9.10am	Welcoming remarks by: <ul style="list-style-type: none"> - Chair of The Pacific Association of Quantity Surveyors (PAQS) - Professor Mushtak Al-Atabi, Provost, Heriot-Watt University Malaysia Campus 	
9.10am – 9.30am	Industrial Knowledge Sharing: MTWO 5D BIM Solution (Pre-Contract)	
KEYNOTES		
9:30am – 9:50am	Keynote 1: Professor Mushtak Al-Atabi, Provost, Heriot-Watt University Malaysia Campus	
9:50am – 10:10am	Keynote 2: Sr Dr. Suraya Ismail, Director of Research, Khazanah Research Institute (KRI)	
10:10am – 10:30am	Keynote 3: Assoc. Prof Sr Dr. Noushad Ali Naseem, Massey University, New Zealand	
10:30am – 10:35am	Souvenir Presentation to the keynote speakers & photo session	
10:35am – 10:50am	Industrial Knowledge Sharing: MTWO 5D BIM Solution (Post-Contract)	

TENTATIVE

PROGRAMME (cont'd)



TIME	PARTICULARS	VENUE
FORUM		
11:00am – 12.00pm	<p>Moderator: Sr Dr Wan Maimun Wan Abdullah</p> <p>Themes:</p> <ul style="list-style-type: none"> ● Sustainability for QS ● Green Procurement ● BIM and Green Supply Chain ● Green As Business Competitive Advantage ● The way forward for QS and SDG <p>Panel 1: Mr Martin Bisset (NZIQS) Panel 2: Professor Sr Dr. Abdul Ghani Khalid (RISM) Panel 3: Dr. Eugene Seah (SISV) Panel 4: Dato Sr Peter Tan (RISM)</p>	Lecture Theatre 1 Heriot-Watt University Malaysia Campus, Putrajaya
12.00pm -12.15pm	Q & A Session	
12.15pm – 12:30pm	Souvenir Presentation to the panels & photo session	
12.30pm – 2.00pm	Lunch and end of the event	Happy Cafe Heriot-Watt University Malaysia Campus

FACILITIES

1. Transportation

Transportation will be provided from the Berjaya Times Square Hotel to Heriot-Watt University Malaysia Campus. The bus schedules are as follows:

Date	Pick-up (BTS to HWUM)	Pick-up (HWUM to BTS Hotel)
23 September 2023 (Saturday)	8:00am*	1:00pm

***Note:** Kindly wait at the lobby of Berjaya Times Square Hotel at least 30 minutes before the designated time. Your virtual ID and congress tag is required to board the bus.

2. Food and Beverage

The organizer will provide a welcoming breakfast and lunch.

3. Prayers Room/ Surau

Prayers Room or Surau is located at the same level as the Muslim Prayer Room, Heriot-Watt University Malaysia Campus, Putrajaya.

4. Smoking

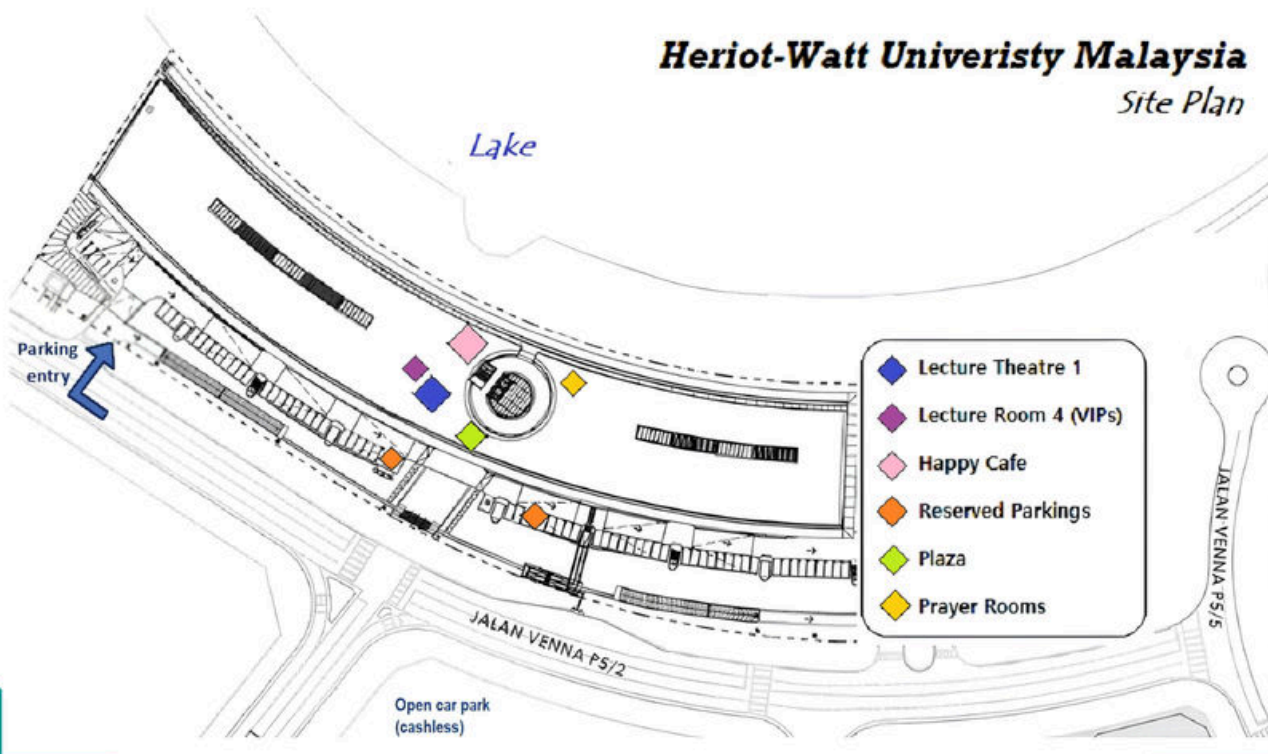
Smoking is prohibited in Heriot-Watt University Malaysia Campus, Putrajaya.

5. Medical Emergency

In case of a medical emergency, please notify the organizer or the hotel for immediate attention.

6. On-site Useful Information

PERSONNEL	RESPONSIBILITY	HANDPHONE NUMBER
AP Sr Dr. Sarajul Fikri Mohamed	Coordinator: Secretariat	+6019-750 5806
Sr Dr. Ashley Hong	Coordinator: Secretariat	+6012 346 9950





Open BIM Quantities

Open BIM solution for quantity surveying

INCLUDES FEATURES SUCH AS:

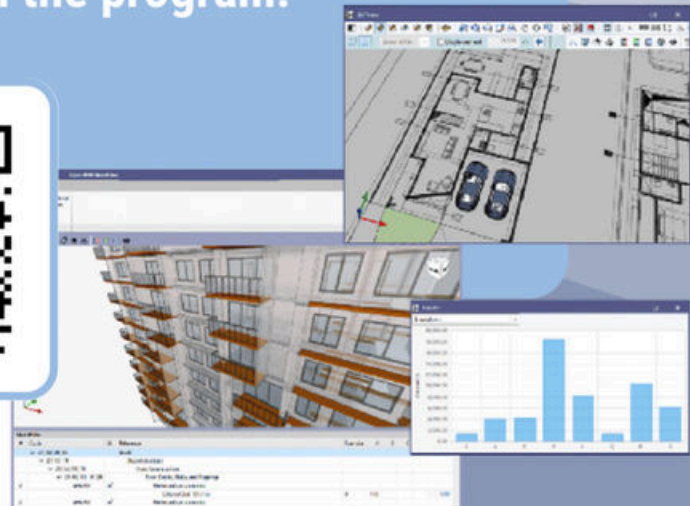
Extracting quantities from **IFC**

Extracting quantities from **DWG, PDF and JPG** formats

Direct connection to the **National Construction Cost Centre**

Customised **rules of measurement**

For more information on the program:



YOUNG QS PROGRAMME



SEP 22 - 23
2023

PAQS CONGRESS
2023

FRI | DAY 1 (FORMAL DAY)

22 SEP

8:15 AM - 8:30 AM **Meet Up & Departure**

Berjaya Times Square
Hotel Lobby

11:45 AM - 12:00 PM

**Presentation from
Institute of Quantity
Surveyors Sri Lanka (IQSSL)**

12:00 PM - 02:30 PM

Lunch & Friday Prayer

9:00 AM

**Registration at RISM HQ
Petaling Jaya**

2:30 PM - 3:00 PM

**Ice-Breaking Game/
Activity No.2**

9:15 AM - 9:30 AM

PAQS Welcoming Remarks
(by PAQS Chair, Chair of Organising
Committee PAQS Congress 2023 &
Chair of PAQS YQS Group 2023)

3:00 PM - 3:15 PM

**Presentation from
Philippines Institute of
Certified Quantity Surveyors (PICQS)**

9:30 AM - 10:00 AM

**Ice-Breaking Game/
Activity No.1**

3:15 PM - 3:30 PM

**Presentation from
Singapore Institute of
Surveyors and Valuers (SISV)**

10:00 AM - 10:30 AM

Morning Tea

3:30 PM - 3:45 PM

**Presentation from
Royal Institution of
Surveyors Malaysia (RISM)**

10:30 AM - 10:45 AM

**Presentation from
China Cost Engineering
Association (CCEA)**

3:45 PM - 4:05 PM

Afternoon Tea Break

10:45 AM - 11:00 AM

**Presentation from
Hong Kong Institute
of Surveyors (HKIS)**

4:05 PM - 4:30 PM

**Exchange Gifts
Giving Ceremony**

11:00 AM - 11:15 AM

**Presentation from
Institution of Surveyors,
Engineers and Architects,
Brunei (PUJA)**

4:30 PM - 4:45 PM

**Closing of Formal Day -
Information for 2nd Day :
Site Outing to SUKE &
DASH Expressway**

11:15 AM - 11:30 AM

**Presentation from
Building Surveyors Institute
of Japan (BSIJ)**

5:00 PM

**Bus depart back to
Berjaya Times Square Hotel**

11:30 AM - 11:45 AM

**Presentation from
New Zealand Institute of
Quantity Surveyors (NZIQS)**

Continue Page 2 →

The itinerary above is tentative and subject to change



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Website : paqs2023.com

SEP 22 - 23
2023

PAQS CONGRESS
2023



YOUNG QS PROGRAMME

6:00 PM - 7:30 PM
Berjaya Times Square Mall

Casual Dinner

2:30 PM - 4:30 PM

Depart for DASH Expressway
Tour and Guthrie Corridor
Expressway Tour

7:30 PM - 10:30 PM
Berjaya Times Square Mall

Laser Tag Battle

4:30 PM

Bus depart back to
Berjaya Times Square Hotel

End of Day 1

End of Day 2

SAT | DAY 2 (SITE OUTING) 23 SEP

8:30 AM - 9:00 AM
Berjaya Times Square
Hotel Lobby

Meet Up & Departure

10:00 AM - 11:00 AM
SUKE Operation Building,
Alam Damai, Cheras

Welcoming Speech
by PROLINTAS

11:00 AM - 12:30 PM

Sharing Session of SUKE &
DASH Expressway Projects
including Q&A session

12:30 PM - 1:00 PM

Depart for SUKE
Expressway Tour from Alam
Damai to Ulu Kelang bound
and continue with AKLEH
Expressway Tour

1:00 PM - 2:30 PM

Lunch Break at De.Wan 1958
by Chef Wan @ The Linc KL

The itinerary above is tentative and subject to change



PAQS Secretariat
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Website : paqs2023.com

SEP 22 - 23
2023

PAQS CONGRESS
2023



YOUNG QS PROGRAMME

PROGRAM DETAILS

Friday | 22 September 2023

Program Venue : Royal Institution of Surveyors Malaysia (RISM) Hall, Petaling Jaya, Selangor

- Transport will be provided by the organising committee from Berjaya Times Square Hotel, Kuala Lumpur to RISM Hall in Petaling Jaya, Selangor (approximately 15km away).
- Bus will depart from Berjaya Times Square Hotel by 8.30 a.m.
- The journey will take approximately less than 30 minutes (subject to traffic condition).
- All Member Association will register upon arrival at the RISM Hall.
- Morning Tea, Lunch and Afternoon Tea will be provided to all participants.
- All foods are Halal certified. Please indicate should you require special meals (Vegetarian, Fruit Only).
- All participants are to register for the PAQS Congress separately from this registration.
- There will be an Exchange Gifts Giving Ceremony between all Member Association upon closing of the presentation.

Member Association Presentation

Each Member association will be given 15 minutes for presentation. Each association should:

- Briefly introduce your country (location, population, what your country is commonly associated with, eg: "Malaysia - Petronas Twin Tower", etc.)
- Discuss on any topic relating to your country construction industry or Quantity Surveying / Cost Consultant / Cost Engineer practice, focusing to Sustainable Development Infrastructure Projects (e.g. latest technology, challenges and future of the industry, construction cost, etc.)

Laser Tag Battle at Central Zone, Level 7, Berjaya Times Square

LASER BATTLE is the single owned largest laser tag operator across Asia today. Laser Battle grew its branches and brand name regionally within a year and received recognition from laser tag operators around the world as the fastest growing laser tag operator in the industry.

- Laser Tag Battle will be held at Level 7, Berjaya Times Square Mall at 7.30 p.m.
- It is an interactive game play, which pick up special powers, score hit points with targets and destroy team bases.
- 2-Hours Game (3 Games + Final) divided into 4 Teams.
- Water provided for each pax (inclusive Lockers).
- The Tournament is expected to finish by 10.30 p.m.

Saturday | 23 September 2023

Program Venue : SUKE Expressway Operation Building, Alam Damai, Cheras

- Transport will be provided by the organising committee from Berjaya Times Square Hotel, Kuala Lumpur to SUKE Expressway Operation Building, Alam Damai, Cheras (approximately 12km away).
- Bus will depart from Berjaya Times Square Hotel by 9.00 a.m.
- Participants are required to wear comfortable and appropriate attire for this activity (Eg. Casual shoes).
- Lunch will be hosted by PROLINTAS.

The information above is tentative and subject to change



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Email : paqs2023@rism.org.my
Website : paqs2023.com

RIB COMPANY PROFILE

Construction is one of the most prevalent industries in the world; affecting the economy, the environment and society. It is also one of the only sectors that serves almost all other industries while accounting for a staggering 13% of global GDP and 7% of the world's working population. Compared to other industries, however, engineering and construction lags far behind when it comes to digital transformation.

As one of the least digitised industries, the productivity growth of construction has stagnated over the last two decades. This has led to deep-rooted challenges including cost and schedule overruns and an increase in the sector's carbon footprint, with the industry contributing 38% of the world's total carbon emissions.

As a result, the industry is ready for transformation with the potential for a 50–60% improvement in sector productivity while unlocking trillions in global value annually. Empowered by disruptive digital technologies and trends, our primary purpose at RIB is to propel the industry forward and make engineering and construction increasingly more efficient and sustainable.

And through our 60-year industry experience and our truly global footprint of over 550,000 users and 2,700 talents, our vision is to transform our business into a global powerhouse providing innovative software solutions to our core markets – putting our customers at the heart of everything we do.

Managing the entire building lifecycle from planning to construction, the development of our powerful portfolio of software solutions is driven by industry expertise, best practice and a passion to remain at the cutting edge of technology. Ultimately, connecting people, processes and data in innovative ways to ensure customers always complete projects within budget, on time and to quality, while reducing their carbon footprint.

Partner with the leaders in digital construction technology and transform your construction business today. Visit www.rib-software.com for more.

RIB Software is a proud member of Schneider Electric.

RIB Software GmbH

Vaihinger Straße 151, 70567 Stuttgart, Germany
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CONGRESS PROGRAMME



PAQS CONGRESS 2023 - DECARBONISING THE FUTURE

22ND-26TH OF SEPTEMBER

Pre-Congress Sessions		Main Congress		
22	23	24	25	26
FRI	SAT	SUN	MON	TUE
<p>YOUNG QS PROGRAMME</p> <p>RISM Hall 09:00 AM - 05:00 PM</p>	<p>YOUNG QS PROGRAMME (SITE OUTING)</p> <p>Prolintas, Kuala Lumpur 09:00 AM - 05:00 PM</p> <p>INTERNATIONAL QS ACADEMIC FORUM (IQSAF)</p> <p>Heriot-Watt University Malaysia 08:00 AM - 02:00 PM</p> <p>COMMITTEE MEETINGS</p> <p>Sustainability Committee Bronx V</p> <p>Research Committee Manhattan VI</p> <p>Education & Accreditation Committee Manhattan VII</p> <p>BIM Committee Manhattan VIII 02:00 PM - 06:00 PM</p> <p>Coffee Break & Networking Foyer Area 02:00 PM - 05:00 PM</p> <p>PAQS GOLF 2023</p> <p>Glenmarie Golf & Country Club 03:30 PM - 04:00 PM</p>	<p>PAQS BOARD MEETING</p> <p>Manhattan V 09:00 AM - 05:00 PM</p> <p>Coffee Break & Networking Foyer Area 10:30 AM - 10:50 AM</p> <p>PAQS BOARD LUNCH</p> <p>Bronx VI 12:00 PM - 02:00 PM</p> <p>Coffee Break & Networking Foyer Area 03:00 PM - 03:30 PM</p> <p>PRESIDENT'S DINNER (By Invitation Only)</p> <p>De.Wan 1958, The Linc KL 06:30 PM - 09:30 PM</p> <p>EXHIBITION BOOTH SET UP</p> <p>Foyer Area 04:30 PM - 08:30 PM</p>	<p>Registration Foyer, Berjaya Times Square 07:45 AM - 08:45 AM</p> <p>PLENARY SESSION 1</p> <p>Plenary Paper 1 (30 mins) Plenary Paper 2 (30 mins) Plenary Paper 3 (30 mins) Manhattan Ballroom 09:00 AM - 10:30 AM</p> <p>Coffee Break & Networking (Exhibition Booths Tour / Poster Presentation) Foyer Area 10:30 AM - 10:50 AM</p> <p>KEYNOTE 1</p> <p>Manhattan Ballroom 10:50 AM - 11:30 AM</p> <p>OPENING GAMBIT & CEREMONY</p> <p>Welcoming Address by Sr Nazir Muhammad Nor, Organising Chair</p> <p>Opening Address by Prof. Chitra Weddickara, Institute of Quantity Surveyors, Sri Lanka (IQSSL), PAQS Chair</p> <p>Officiate by Minister Manhattan Ballroom 11:30 AM - 01:00 PM</p> <p>LUNCH</p> <p>Manhattan III & Bronx VI 01:00 PM - 02:15 PM</p> <p>PLENARY SESSION 2</p> <p>KEYNOTE 2 Manhattan Ballroom 02:15 PM - 03:00 PM</p> <p>Plenary Paper 4 (30 mins) Plenary Paper 5 (30 mins) Plenary Paper 6 (30 mins) Plenary Paper 7 (30 mins) Manhattan Ballroom 03:00 PM - 05:00 PM</p> <p>Tea Break & Networking (Exhibition Booths Tour / Poster Presentation) Foyer Area 05:00 PM onwards</p> <p>SPOUSE PROGRAMME</p> <p>Kuala Lumpur City 09:00 AM - 03:00 PM</p>	<p>PLENARY SESSION 3</p> <p>KEYNOTE 3 Manhattan Ballroom 09:00 AM - 09:30 AM</p> <p>KEYNOTE 4 Manhattan Ballroom 09:30 AM - 10:00 AM</p> <p>Plenary Paper 8 (30 mins) Manhattan Ballroom 10:00 AM - 10:30 AM</p> <p>Coffee Break & Networking (Exhibition Booths Tour / Poster Presentation) Foyer Area 10:30 AM - 11:00 AM</p> <p>PARALLEL SESSIONS</p> <p>Manhattan Ballroom & Bronx V 11:00 AM - 01:00 PM</p> <p>LUNCH</p> <p>Manhattan III & Bronx VI 01:00 PM - 02:00 PM</p> <p>PARALLEL SESSIONS</p> <p>Manhattan Ballroom & Bronx V 02:00 PM - 03:40 PM</p> <p>CLOSING CEREMONY</p> <p>Manhattan Ballroom 03:40 PM - 04:10 PM</p> <p>Tea Break & Networking Foyer Area 04:10 PM onwards</p> <p>SPOUSE PROGRAMME</p> <p>Kuala Lumpur City 09:00 AM - 03:00 PM</p> <p>GALA DINNER</p> <p>Manhattan Ballroom 07:30 PM - 11:00 PM</p>

● Main Congress Sessions ● Invitation-Only Sessions ● Additional Activities (subject to purchased package) ● IQSAF (subject to purchased package)



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PAQS CONGRESS 2023 PLENARY SESSIONS



Date 25 - 26 September 2023

Venue Manhattan Ballroom
Berjaya Times Square Hotel

MON | 25 Sep

PLENARY SESSION 1

Plenary Paper 1 09:00 AM - 09:30 AM
PROPOSED ROADMAP FOR THE QS
CONTRIBUTION TO DECARBONISATION

Speaker
Eugene Seah
Meinhardt Group, Singapore



Plenary Paper 2 09:30 AM - 10:00 AM
INTEGRATED DESIGN, CONSTRUCTION
AND OPERATION FOR GREEN BUILDING

Speaker
Wataru Matsumoto
Glodon, Singapore



Plenary Paper 3 10:00 AM - 10:30 AM
HOW TO DECARBONISE THE FUTURE
USING NEW TECHNOLOGIES AND CYPE

Speaker
Benjamín González Cantó
CYPE, Spain



Keynote 1 10:50 AM - 11:30 AM

SUSTAINABLE DEVELOPMENT –
LET'S WALK THE TALK

Speaker
Sr Dr Ong See Lian, FRISM
Turner & Townsend
Malaysia



PLENARY SESSION 2

Keynote 2 02:15 PM - 03:00 PM
A BALANCED APPROACH TOWARDS NATIONAL
CLIMATE STRATEGY: THE ROLE OF BUILT
ENVIRONMENT PROFESSIONALS

Speaker
Sr Dr. Suraya Ismail, MRISM
Khazanah Research Institute
Malaysia



Plenary Paper 4 03:00 PM - 03:30 PM
LEVERAGING ON SMART IBS TO IMPROVE
CONSTRUCTION PRODUCTIVITY

Speaker
Ir. Chan Huan Ong
IJM IBS Sdn. Bhd.
Malaysia



Plenary Paper 5 03:30 PM - 04:00 PM
LEARNING THE ECOSYSTEM FOR ENVIRON-
MENTALLY SUSTAINABLE CONSTRUCTION
PROJECTS

Speaker
Prof. Sr Dr. Padzil @ Fadzil Hassan
Universiti Teknologi MARA
Malaysia



Plenary Paper 6 & Paper 7
04:00 PM - 05:00 PM

ICMS 3 GLOBALLY CONSISTENT COST AND
CARBON LIFE CYCLE REPORTING

Panelists



Ken Creighton
Head of BCIS
International
United Kingdom



Malcolm Horner
Vice Chair of the ICMS
Standards Setting
Committee, RICS
United Kingdom



Chris Fry
Managing Director
Accelar Limited
United Kingdom

TUE | 26 Sep

PLENARY SESSION 3

Keynote 3 09:00 AM - 09:30 AM
CHATGPT - AWESOME OR FEARSOME?

Speaker
Associate Prof. Sr Dr. Noushad
Ali Naseem, FRISM
Massey University Auckland
New Zealand



Keynote 4 09:30 AM - 10:00 AM
TOWARDS NET-ZERO CARBON :
MYCREST AND SUSTAINABLE INFRASTAR

Speaker
Ts. Mohammad Farid bin A Hamid
Construction Industry Development
Board (CIDB)
Malaysia



Plenary Paper 8 10:00 AM - 10:30 AM
STRENGTHENING THE FOUNDATIONS OF
QUANTITY SURVEYING IN DECARBONISATION

Speaker
Sr Dr. Nazirul Fariq bin
Mohd Kassim, MRISM
QS Division
Royal Institution of Surveyors
Malaysia



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KEYNOTE SPEAKER



Sr DR ONG SEE LIAN

KMN, PPRICS, PPRISM, FRISM, FRICS, FRISM, CQS, (HON)FHKIS(HONG KONG), (HON)FARES(JAPAN), (HON)CAS(CHINA), FCEM(UK), ICECA, DIF TURNER & TOWNSEND, MALAYSIA



Sr Dr Ong has an illustrious career spanning nearly 50 years in both the public and private sectors of the property and construction industry. He started his career in PWD in 1974 and after leaving he was engaged in private sector. Currently, he is the Director of Turner & Townsend Quantity Surveying Consultant Sdn Bhd and also the Strategic Adviser to the Turner & Townsend Group.

Sr Dr Ong was the President of the Royal Institution of Surveyors Malaysia (RISM) for 2003 – 2004 session. He is also an active board member of the Pacific Association of Quantity Surveyors (PAQS) and had served as Chairman of PAQS from 2003 to 2005. He has also served as a Board member of the Board of Quantity Surveyors Malaysia (BQSM) from 2005 to 2010.

Sr Dr Ong was the 130th Global President of the Royal Institution of Chartered Surveyors (2011-2012). He was the first non-British passport holder, first Asian and the first Malaysian to be elected as the Global President in the history of RICS.

Sr Dr Ong was the Chairman of Commission 10 (Construction Economics and Management) of Federation of International Surveyors (FIG) for the 2015-2018 term. He was also the Chairman of Standard Setting Committee of International Construction Management Standard (ICMS) from 2015 to 2019 and was responsible for rolling out ICMS-1 (2017) and ICMS-2 (2019).

Sr Dr Ong has received numerous awards in recognition of his vast contributions to the profession and the property and construction industry, including the PAQS Medal (2007), “Malaysian Surveyor of the Year” Award by RISM (2008), Malaysian Construction Industry “Prominent Player of the Year” by CIDB (2011), Distinguished International Fellow by ICEC (2012), Gold Award by the Board of Quantity Surveyors Malaysia (2014), “David Bucknall Award” by RICS and RICS President’s Medal.

KEYNOTE SPEAKER



Sr DR. SURAYA ISMAIL, MRISM
KHAZANAH RESEARCH INSTITUTE (KRI)



Sr Dr. Suraya Ismail (PhD) is Director of Research at Khazanah Research Institute (KRI). She is a council member for the National Costs of Living Council (NACCOL) and member of the Panel of Experts (POE) for the Ministry of Local Government Development (KPKT). She sits on the Advisory Board of Saw Swee Hock Southeast Asia Centre (SEAC), London School of Economics and Political Science, (LSE) UK and has served as a Visiting Scholar at the Centre of Housing and Planning (CCHP), University of Cambridge. She has authored and co-authored book-length policy reports, published chapters in academic books and journals, provided policy briefs for governments at home and abroad; and involved in collaborative work with agencies such as the Asian Coalition for Housing Rights (ACHR), UN-Habitat, Aga Khan Trust for Culture (AKTC) and Fundacion Metropoli.

Before joining the Institute, she was Program Director at Think City (a city-making initiative of Khazanah Nasional Berhad), where her role involved developing urban regeneration initiatives through a public grants program. Prior to that, Suraya was the Deputy Dean of the Faculty of the Built Environment at University Malaya as well as the Head of the Department of Quantity Surveying.

Sr Dr. Suraya was educated at the University of Reading, the University of Malaya and the Bartlett School, UCL. Her research interests include the history of economic growth; housing, cities and regional development; theory of the firm and institutional economics. She is a Chartered Surveyor with the Royal Institute of Surveyors, Malaysia (RISM).

KEYNOTE SPEAKER



ASSOC. PROF. Sr DR. NOUSHAD ALI NASEEM AMEER ALI
ASSOCIATE PROFESSOR AND DIRECTOR OF INTERNATIONALISATION
SCHOOL OF BUILT ENVIRONMENT, MASSEY UNIVERSITY, NEW ZEALAND



Naseem has 30 years of experience in both the construction industry and academia from the United Kingdom, Malaysia, and New Zealand. His construction industry experience is in construction project management, construction contracts consultancy, dispute resolution, quantity surveying, and commercial management. His academic experience includes teaching and supervising students at both undergraduate and postgraduate levels.

Naseem has academic and professional qualifications from the UK, Malaysia, and New Zealand. He obtained a Bachelors degree in Quantity Surveying, two Masters degrees – one in Architecture majoring in Building Economics and Management, and the other in Construction Law and Arbitration, and a PhD in Civil Engineering.

He is currently teaching at Massey University. He supervises students doing the Construction Research and Report paper at Bachelors and Masters levels and PhD student. He also has developed, as a team, and currently the programme leader on New Zealand's first Master of Construction degree with a construction law specialization.

KEYNOTE SPEAKER



Ts. MOHAMMAD FARID BIN A HAMID
GENERAL MANAGER AT SAFETY AND HEALTH, ENVIRONMENT AND
QUALITY (SHEQ) DEPARTMENT
CIDB MALAYSIA



Ts. Mohammad Farid Hamid is the General Manager at Safety and Health, Environment and Quality (SHEQ) Department under the Construction Technology Sector in Construction Industry Development Board Malaysia (CIDB). He joined CIDB on secondment from CIDB E-Construct Services Sdn Bhd (CIDBEC). His first posting at CIDB was to lead the Environmental Sustainability Unit.

Prior to that, he was the General Manager of CIDB e-Construct Services Sdn Bhd, a subsidiary company of CIDB Malaysia. As part of the team entrusted by CIDB to fulfil the Productivity Thrust in the Construction Industry Transformation Program 2016-2020 (CITP), he managed the various projects and developments to help the industry to embrace Building Information Modelling (BIM). CIDBEC is currently managing CIDB myBIM Centre, Malaysia, the BIM training and reference centre established to provide the knowledge avenue and learning base for BIM.

Besides myBIM Centre, CIDBEC is also engaged in the creation of myBIM Library, the free-for-use National BIM object library; and National BIM e-Submission (NBeS), the Building Code auto-checker for 3D Building Plan Submission to Local Authority.

He is currently involved at working level and policy level to ensure the delivery of all the KPIs under CIDB Strategic Plan (CSP) Safety, Health, Sustainability and Quality agenda, engage the industry to encourage Sustainable, Safe and Quality Construction in Malaysia, by means of development programs, training, accreditation, talks and seminars.

His involvement in the technology field came from long working experience with Mesiniaga Berhad, IBM's agent in Malaysia; as the Managing Director of Hypertec Memory Malaysia and as an IT Business Entrepreneur in delivering IT services, software, integration and change management services to the industry.

He is the alumni of MARA University of Technology Malaysia, with Bachelor's Degree in Business Management (Marketing) (Hons.)

Plenary Speaker



Eugene Seah (Dr)

**Global Board of Director, Chief Operating Officer (Singapore)
Senior Director, Group CEO's Office
Meinhardt Singapore**

Eugene joined the construction industry in 1999. He graduated with a BSc in Quantity Surveying (1st Class Honours) from the University of Reading and started work in Davis Langdon & Seah as a Quantity Surveyor. He subsequently broadens his knowledge by reading a BSc in Technology and Computing (1st Class Honours), a MSc in Construction Law and Arbitration and a MSc in Sustainable Building Design (Merit). He subsequently attended the Senior Management Development Program from Harvard and also has a Diploma and a Certificate in Advance Learning and Performance for Adults from the Institute of Adult Learning at Singapore University of Social Science.

Eugene holds over 24 years of experience in Cost and Contracts Management, Sustainability, Digital and Technology as well as Construction Law and Alternate Dispute Resolution. He has supervision and works a wide range of developments including commercial buildings, hotels, residential, institutional, airports and infrastructure project, industrial, mobility, TOD and sports complexes. He has vast experience in the construction sector and is well respected in the academic Community as well. Eugene teaches at the National University of Singapore since 2008 and also volunteers teaching at other Local and Foreign Universities. In his past companies, Eugene was tasked to build up and carry out cost research and cost data analysis and was in charge of the Building and M&E Cost data build up. Now in Meinhardt, he is continuing this effort in Metav Cost and Contract Management. He is pushing the Sustainability and Resilience agenda and has carried out two Sustainability Reporting for GRI.

Plenary Speaker



Wataru Matsumoto
Vice President of Glodon Company Limited,
Managing Director of Glodon Asia Group

He currently serves as the Vice President of Glodon Company Limited, where he continues to be an innovative visionary offering globally impactful strategic business solutions. Previously, Mr. Matsumoto held a prominent position as a leading authority in international business expansion, both in the Asian region and on a global scale. He holds a Bachelor's degree in Electronic Engineering from Meiji University in Japan.

During his illustrious career, Mr. Matsumoto played pivotal roles within Panasonic Corporation's Global division, where he meticulously managed business operations in influential Asian and Oceania nations such as China, India, Malaysia, Vietnam, Thailand, and New Zealand. His remarkable contributions include the successful introduction of cutting-edge business solutions and a diverse range of products into numerous Asian markets, catalyzing the exponential growth of Panasonic's global ventures.

Furthermore, he was entrusted with the strategic planning, establishment, and formal registration of new enterprises in both Singapore and China. This culminated in the establishment of collaborative ventures within the thriving Chinese market. Mr. Matsumoto's extensive expertise spans a wide spectrum, encompassing everything from international expansion strategies to the intricate development of B2B and B2C market strategies.

Plenary Speaker



Benjamin Gonzalez
MSc Industrial Engineering
Corporate Development Director
CYPE

Benjamin Gonzalez has a degree in Industrial Engineering by the Polytechnic University of Valencia (Spain) and MBA by the UNED and currently the Corporate Development Director of CYPE.

He has been working since 2003 at CYPE, having been responsible for the product of CYPE's thermal study suite, including calculation of thermal loads and HVAC systems, justification of thermal regulations in Spain, France, Portugal and Morocco. He has also participated in projects related to the acoustic, energy and LCA calculation of buildings. In recent years he has been promoting, among other research project initiatives, the connection of thermal models with the BIM workflow.

He is currently working on the following research projects, all of them including a fundamental component of BIM.

Plenary Speaker



Ir. Chan Huan Ong
Senior Manager (Operation & Marketing)
IJM IBS Sdn. Bhd.

Ir. Chan Huan Ong has more than 20 years of experience in construction industry, spanning from digital construction, SMART IBS, foundation design to coastal protection. Currently, he is heading IJM IBS, a SMART IBS business unit within IJM Group. He has a vast experience in design as well international business ventures across Myanmar, Indonesia, Singapore & Thailand.

Ir. Chan graduated from Monash University in 1999. He is currently serving as Technical & IBS committee member in MBAM and technical committee member of various CIDB Construction Industry Standard (CIS) Development.



Professor Sr Dr. Padzil@Fadzil Hassan

PhD (Construction Training & Education) (Sheffield Hallam University)
MSC Management & Implementation of Development Projects (UMIST, Manchester)
BSc Building Economics & Quantity Surveying
Centre of Studies for Quantity Surveying
College of Built Environment,
University Teknologi MARA (UiTM)

Professor Sr Dr. Fadzil has been a prominent academic figure in Universiti Teknologi MARA (UiTM)'s for over 30 years. His professional qualifications include being a Registered Professional Quantity Surveyor (PQS) by the Board of Quantity Surveying (BoQS), a Member of the Royal Institution of Surveyors Malaysia (RISM), a Construction Industry Development Board (CIDB) Certified Competent Construction Project Manager (CCPM) and Certified Construction Manager (CCM). He is also a qualified CCPM and CCM Trainer and Assessor. He led the Department of Quantity Surveying at the Faculty of Architecture, Planning and Surveying (FSPU), and directed the Center for Construction Project and Infrastructure Management (CPIM) UiTM from 2005 to 2009. His expertise has often been sought by various notable organizations which include the Malaysian Construction Industry Development Board (CIDB), Institut Tadbiran Negara (INTAN), Jabatan Kerja Raya (JKR), Economic Planning Unit, Implementation Coordination Unit (ICU) Malaysia, Perbadanan Kemajuan Negeri Selangor (PKNS), and Sime Darby Properties Sdn. Bhd. He served RISM as the External Examiner for over two decades and has been the Malaysian Qualifications Agency (MQA) Academic Examiner since 2013.

Professor Sr Dr. Fadzil has actively been contributing to national committees, task forces, and groups that help make policies for the construction industry. He has also served as a Visiting Professor, Academic Advisor, and External Examiner for several universities. He has also contributed to international conferences as Chair, Technical Committee Member, and Paper Reviewer. His expertise was pivotal in the development of the Malaysian Construction Industry Standard (CICS) for Construction Project Managers (CPM) and Construction Managers (CM) in 2019. He has won three Gold Medals in international innovation competitions and has fourteen registered copyrights. He has successfully headed industry-academia research in Design and Build, Construction Education, and Knowledge Management, and has graduated ten Ph.D. research candidates.

Plenary Speaker



Sr Dr. Nazirul Fariq bin Mohd. Kassim
PQS, MRISM, MRICS
QS Division
Royal Institution of Surveyors Malaysia

Sr Dr. Nazirul Fariq has an outstanding understanding of the built environment and considerable expertise in Quantity Surveying in the AEC industry. He is chair of innovative construction at the Royal Institution of Surveyors Malaysia (RISM) and a key member of the IEM-CIDB task force working group that focused on the development of construction 4.0 in Malaysia. He is also a chartered surveyor of the Royal Institution of Chartered Surveyors (RICS) with practical experience in various types of projects, including mega infrastructure projects. He holds a PhD from Universiti Teknologi Malaysia and has published research papers in the areas of quantity surveying, digital twins, and project management.

Sr Dr. Nazirul Fariq currently serves as a Principal Business Expert at Glodon Company Limited, specialising in various critical business domains including special project delivery, research, and product development. With his professional knowledge and intelligence, he is focused on providing more industry-pioneering insights and contributing more to the sustainability of the AEC industry globally.



Ken Creighton
Head of BCIS International
United Kingdom

Ken Creighton is the Head of International at BCIS. At BCIS Ken is focused on the gathering and provision of international built environment cost and carbon data to ensure better outcomes for professionals and the public.

Ken joined BCIS from RICS in March of 2023. Ken served as the Director of Standards and Director of Knowledge and Practice over 12 years at RICS. During this time, he founded and led multiple international standards coalitions including ICMS, International Cost Management Standards and IPMS, International Property Measurement standards.

Before joining RICS, Ken was the Director of Content Services at the IFRS Foundation. In this role Ken worked with countries adopting IFRS (International Financial Reporting Standards) as issued by the IASB (International Accounting Standards Board). As well as supporting adoption of the standards internationally, Ken led the Foundation's content dissemination processes, which included translation, licensing, and product sales.

Before joining the IFRS Foundation, Ken was a senior manager at Ernst & Young and led several international projects while based in its Washington DC, Madrid, and London offices. Previously, Ken was an associate analyst at Prudential Securities' Washington research office and a legislative correspondent in the United States Senate.

Ken holds an MSc from the London School of Economics and a BA from the University of California at Berkeley. Originally from Seattle, Ken has lived in London with his family for over two decades.

Plenary Panelist



R Malcolm W Horner
BSc PhD FRSE FICE Hon FRIAS
Vice Chair of the ICMS Standards Setting Committee, RICS
Emeritus Professor of Engineering Management,
University of Dundee,
Chairman of Whole Life Consultants Ltd
United Kingdom

Professor Malcolm Horner is a Fellow of the Royal Society of Edinburgh and the Institution of Civil Engineers, and an Honorary Fellow of the Royal Incorporation of Architects in Scotland. He is a civil engineer specialising in construction management whose career has embraced both academia and industry. A former Vice Principal of the University of Dundee, he has held numerous private and public sector appointments at director level, and chairs his own company, Whole Life Consultants Ltd which he founded in 2004.

He was Vice Chair of RICS's working group on the Global Professional Statement on Cost Prediction, and is currently Vice Chair of the ICMS Standards Setting Committee and Chair of the Analytical Consortium of the Transport and Infrastructure Efficiency Strategy's Living Lab Project which seeks to demonstrate how benchmarking can drive improved performance.

Professor Horner has published over 125 papers, notably in the areas of labour productivity, cost modelling and control, benchmarking, whole life costing, asset management and sustainability assessment.

Plenary Panelist



Chris Fry
Managing Director
Accelar Limited
United Kingdom

Chris unlocks powerful insights and implementable solutions for our clients. His advice is based on many years' experience in business strategy, leadership, communications and operational management. He is Chair of the Ecosystems Knowledge Network, and holds a number of other key advisory positions in relation to green finance and net zero carbon. He is passionate about innovation, and believes collaboration makes the green transition possible.

Plenary Panelist



Turner & Townsend

Transforming performance for a green, inclusive and productive world

Turner & Townsend is a global professional services company with over 10,000 people in 50 countries.

Our projects are in every continent, across the real estate, infrastructure and natural resources sectors.

We specialise in major programmes, programme management, cost and commercial management, net zero and digital solutions for global companies including Shell.

Inspired by a vision for a greener future, we are deeply committed to achieving net-zero. Find out more about our NewLeaf strategy, our long-term programmatic approach to meet our target of becoming net zero across our global business.

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PAQS CONGRESS 2023 PARALLEL SESSIONS



Date 26 September 2023 (DAY 2)

SESSION TIMINGS

SESSION 1
11:00 AM - 11:20 AM

SUB-THEME 1

QUANTITY SURVEYOR'S ROLES, PRACTICES AND
MANAGEMENT IN CARBON EFFICIENCY



SESSION CHAIR
Sr Dr. Hasnanywaty Hassan
Universiti Sains Malaysia

ROOM
Manhattan II

AN EXPANDING ROLE OF QUANTITY
SURVEYING PRACTICE IN CARBON EFFICIENCY



Speaker
Leung Wing Yan (Jacqueline)
BSc (Hons), MSc, MHKIS, RPS(QS)
Accredited NEC4 ECC Project Manager
Hong Kong

SESSION 2
11:20 AM - 11:40 AM

SINGAPORE'S CARBON POLICY - THE EVOLVING
ROLE OF QUANTITY SURVEYOR FROM COST
AND CONTRACT MANAGEMENT TO CARBON
MANAGEMENT



Speaker
Jacqueline Huan Chie Sze
Senior Cost Manager, Turner & Townsend
Singapore

SESSION 3
11:40 AM - 12:00 PM

DECARBONISING THE FUTURE: THE ROLES OF
MALAYSIA'S QUANTITY SURVEYORS IN CARBON
EFFICIENCY



Speaker
Hsiao Yun
Undergraduate Student, University of Malaya
Malaysia

SESSION 4
12:00 PM - 12:20 PM

APPLICATION OF BUILDING INFORMATION
MODELING IN WHOLE PROCESS COST
CONSULTATION FROM THE PERSPECTIVE OF
ENGINEERING PROCEDURE CONSTRUCTION
PROJECT



Speaker
Han Yingchao
Shanxi Branch of Shenzhen Swire Technology Co., Ltd.
China

SESSION 5
12:20 PM - 12:40 PM

PROJECT COST + INTEGRATED COOPERATION
PATH WITH PROJECT MANAGEMENT IN THE
NEW ERA



Speaker
Zhong Quan
China Quantity Construction Management Group, Beijing
China

SESSION 6
12:40 PM - 01:00 PM

EXPLORATION OF INTERNET MODEL OF
CHINESE ENGINEERING COST CONSULTATION



Speaker
Zhang Haijun
Beijing Xiaoli Technology Co., Ltd.
China

SUB-THEME 3

INTEGRATIVE AND COLLABORATIVE PROJECT
DELIVERY



SESSION CHAIR
Assoc. Prof. Sr Ts. Dr. Afzan binti Ahmad Zaini
Universiti Malaysia Sarawak (UNIMAS)

ROOM
Bronx V

APPLICATION OF VALUE MANAGEMENT
PRACTICES IN NEW ZEALAND CONSTRUCTION



Speaker
David Finnie
Senior Lecturer, Otago Polytechnic,
Degree Monitor for Arts, Bachelor of Construction
New Zealand Qualification Authority (NZQA)

REVOLUTIONISING AS-BUILT DRAWINGS: THE
SUCCESSFUL IMPLEMENTATION OF DIGITAL
TECHNOLOGIES



Speaker
Nurul Syahidah Mazlan
Programme Lead for BSc Quantity Surveying
Lecturer in Built Environment, The School Of Built Environment
University Of Reading, Malaysia

EXPLORE INTELLIGENT AUTOMATION PROTOTYPE
ON PRE-TENDER ESTIMATING CONSTRUCTION
COST



Speaker
Chew Siak Kor
PhD Candidate
Lee Kong Chian Faculty of Engineering and Science (LKFES)
UTAR Sungai Long, Universiti Tunku Abdul Rahman
Malaysia

MINDSET CHANGE NEEDED IN COLLABORATIVE
CONTRACTING



Speaker
Eugene Seah
Meinhardt Group
Singapore

DECARBONISING THE FUTURE WITH THE INDUSTRY PLAYER

INTEGRATED PROJECT AND COST MANAGEMENT



Speaker
Chew Siak Kor
Glodon
Malaysia

ESTIMATING EMBODIED CARBON : THE NEXT
EVOLUTION OF QUANTITY SURVEYOR



Speaker
Ts. Amirul Izzat Bin Ismail
B.Sc. (Hons) QS, MBA, P.tech (MBOT)
CostX Consultant,
RIB Software
Malaysia



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Website : paqs2023.com



PAQS CONGRESS 2023 PARALLEL SESSIONS



Date 26 September 2023 (DAY 2)

SESSION TIMINGS

SESSION 7
02:00 PM - 02:20 PM

SESSION 8
02:20 PM - 02:40 PM

SESSION 9
02:40 PM - 03:00 PM

SESSION 10
03:00 PM - 03:20 PM

SESSION 11
03:20 PM - 03:40 PM

SUB-THEME 2

BUILDING LIVEABLE AND RESILIENT CITIES



SESSION CHAIR
Sr Dr. Hasnanywaty Hassan
Universiti Sains Malaysia

ROOM
Manhattan II

RECOMMENDATIONS FOR SEISMIC MANAGEMENT IN JAPANESE BUILDING STOCK SOCIETY – ON THE POSSIBILITY OF QS KNOWLEDGE AND SKILL UTILIZATION

Speaker
Tsuyoshi Kawashima
Structure Design Department & General Design Department Manager
ZENSEKKEI, Inc.
Japan



MENTAL HEALTH OF FEMALE QUANTITY SURVEYORS IN SOUTH AFRICA

Speaker
Rolien Terblanche
Lecturer, University of the Witwatersrand
South Africa



INTEGRATED COLLABORATIVE PROJECT DELIVERY OF BIM MODEL UNDER THE WHOLE PROCESS OF ENGINEERING CONSULTING

Speaker
Yang Bolin
Longda Hengxin Engineering Consulting Co., Ltd.
China



RESEARCH ON THE APPLICATION OF BIM AND CIM INTEGRATION BASED ON THE PLANNING OF BAGUANG BIO-VALLEY

Speaker
Xiao Xue
Shenzhen Thsware Hi-tech Corporation
China



THE LEAN PROJECT DELIVERY PRACTICE IN DESIGN MANAGEMENT

Speaker
Dr. Daping Zhang
Vice-chairman TRUTHS Project Consulting Ltd, BSc, MSc, PHD, MRICS, MAIQS, MAACE, FCCEA
Director of RICS China Board Arbitrator of Beijing Arbitration Commission, Director of Expert Witness Committee (BCEBCA), Expert of Ministry of Commerce
China



SUB-THEME 4

CONSTRUCTION MATERIALS FOR A LOW-CARBON FUTURE



SESSION CHAIR
Assoc. Prof. Sr Ts. Dr. Afzan binti Ahmad Zaini
Universiti Malaysia Sarawak (UNIMAS)

ROOM
Bronx V

DECARBONISING THE FUTURE - CONSTRUCTION MATERIALS FOR A LOW-CARBON FUTURE

Speaker
Wong Yi Min
Deputy Contract Manager
Land and Transport Authority
Singapore



STUDY ON THE EFFECTIVENESS OF LIFE CYCLE ASSESSMENT FOR BUILDING USING DATABASE "IDEA" IN JAPAN

Speaker
Yosuke Tanaka
Hazama Ando Corporation
Japan



DECARBONISING THE FUTURE - A REGIONAL PERSPECTIVE

Speaker
Hans Weemaes
Director, Sustainability
Turner & Townsend
Malaysia



SUSTAINABLE HEALTH-RELATED DEVELOPMENT

NEW WAY OF WORKING - COLLABORATION BETWEEN HUMANITARIAN AND DEVELOPMENT ACTORS

Speaker
Hafiz Amirrol
Deputy Executive Director
MERCY
Malaysia



WINNER OF PAQS-IWATA FOUNDATION ESSAY COMPETITION 2023

THE QS ROLE IN DECARBONISING THE FUTURE

Speaker
Orquiola, Rolan Simon Crisvir M.
MSc BSc MRICS MPICQS MAIQS
Philippines



PAQS Secretariat
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Parallel Session Speakers



LEUNG WING YAN JACQUELINE

BSc (Hons), MHKIS, RPS(QS), Accredited NEC4 ECC Project Manager
Hong Kong

Sr Jacqueline Leung is a qualified quantity surveyor with solid experiences in contract advice and quantity surveying including cost control, tender preparation, measurement, valuation of variations, payment assessment, final account settlement, extension of time and monetary claims. She has been involved in various kinds of projects in both public and private sectors.

Also, she has been involved in alternative dispute resolution (ADR) from the quantum perspective. She assists in carrying out the case review and disputes evaluation. She has been involved in handling cases in the arbitration tribunal and the High Court.

Before practicing in quantity surveying field, Sr Leung had been trained in topographic surveying, mapping and civil engineering and involved in site operation process and gained hands on experience in surveying related works.

In recent years, Sr Leung has been conducting study related to sustainable construction and carbon assessment. She is interested in the research related to carbon emission and green building.



JACQUELINE HUAN

Senior Cost Manager, Turner & Townsend Pte Limited
Part-time Lecturer, National University of Singapore
Honorary Secretary, SISV Central Management Council
Honorary Secretary, SISV QS Division
Singapore

Graduated from National University of Singapore (NUS), Ms Jacqueline Huan Chie Sze is a Senior Cost Manager from Turner & Townsend Pte Limited, with more than 10 years in the built environment industry. Jacqueline is a member of Singapore Institute of Surveyors and Valuers (SISV) and Royal Institution of Chartered Surveyors (RICS). She has experience in various types of projects such as residential, retail mall, infrastructure in the aviation sector. Some of the key projects that Jacqueline is involved include Singapore Changi Airport, The Woodleigh Mall and The Woodleigh Residence (including Neighbor Police Station and Community Centre), HDB public housing, etc. and she has strong experience in PPVC residential projects in Singapore. In 2016 and 2017, she participated in the PAQS-Iwata essay competition and won herself the Highly Commended Award. Currently, she is a part-time lecturer in NUS, Honorary Secretary of SISV QS Division and SISV Central Management Council and chairman of International Cost Engineering Council Rising Professional (ICEC RP).

Parallel Session Speakers



HSIAO YUN

Undergraduate student at University Malaya, pursuing Bachelor Degree of Quantity Surveying.

Hsiao Yun is a responsible and self-motivated undergraduate student who is currently pursuing Bachelor's Degree in Quantity Surveying at University Malaya under the Yayasan Gamuda scholarship. She has completed her matriculation at Johor Matriculation College and secondary education at SMK Kepong Baru, Kuala Lumpur. She has successfully demonstrated herself as the recipient of Dean's List Award for five semesters during her degree studies.

Apart from study, Hsiao Yun has gained precious work experience as an undergraduate assistant at University Malaya, QS practical trainee at MMC-Gamuda (T) Sdn Bhd, admin and account assistant at Hou Nam Resources Sdn Bhd, and tutor at PTL Learning Centre. She actively participates in community and volunteer activities such as volunteering with Community Transformation Initiative Bhd in Kota Damansara and Taman Melawati River Three organised by Friends of Klang River Taman Melawati. Being a student member of The Chartered Institute of Building (CIOB) also proven that Hsiao Yun is actively involved in various extracurricular activities.

As a student, Hsiao Yun displayed her strong leadership skills through her roles as vice president for i-UM Disrupt International Hackathon 2022, Second Residential College (Tuanku Bahiyah), leading this project winning the Best Academic and Intellectual Project in 2022. Additionally, she received the Best Presenter Award at the RISM International Surveying Conference for Undergraduate 2023 (RISM ISCU) by presenting her research project entitled Decarbonising The Future: The Roles of Malaysia's Quantity Surveyors In Carbon Efficiency.

Furthermore, Hsiao Yun was awarded the Top 10 Winner Award during BCISM Young Estimator Challenge 2022. She has also represented University Malaya in national chess tournament where she was being part of the top 5 chess team at Majlis Sukan University Malaysia (MASUM) 2021.



HANYINGCHAO

Engineer, Cost engineer, Construction engineer
China

- Graduated from Shanxi Institute of Engineering and Technology, majoring in Industrial and Civil architecture in July 1990.
- From August 1990 to July 1998, the Infrastructure Department of Shanxi Blower Co., Ltd. was responsible for the construction, budget and final accounts of technical transformation projects.
- From July 1998 to March 2006, Director of Budget Section of Yuanping Construction and Installation Engineering Company, a subsidiary of Yuanping Road Construction Engineering Co., LTD., and later served as director of production of the general company.
- From March 2006 to November 2009, Project technical director (and cost director) of Yuanping Hongyuan Construction and Installation Engineering Company.
- From November 2009 to March 2021, Project Supervisor of Yuanping Zhengxiang Engineering Consulting Co., LTD.
- From March 2021 to March 2022, Project leader of Yicheng Construction Project Management Co., LTD.
- From March 2022 till present, she is in charge of Xinzhou Branch of Haitian Engineering Consulting Co., LTD.



ZHANG HAIJUN

Registered Cost Engineer
China

Previously worked at China Construction First Bureau (Group) Co., Ltd., responsible for engineering construction management; Previously served the internationally renowned engineering software company Guanglianda Technology Co., Ltd., responsible for national market service and sales management; Formerly served as a consulting firm for the listed company Qingju Technology Co., Ltd., responsible for project management, bidding agency, and BIM center. I have over ten years of experience in engineering project management, engineering audit, and information management. We have successively established Beijing Zhongli Hong Engineering Consulting Co., Ltd. and Beijing Xiaoli Technology Co., Ltd. We have innovatively designed and developed China's leading internet platform for engineering consulting industry - SuoKe Workshop. Currently, the platform has over 90000 engineers who can provide consulting services for the engineering construction industry. Participated in the compilation and publication of books such as "Introduction to New Infrastructure and New Engineering Consulting Services", "Summary of Implementation Plans for Full Process Engineering Consulting of Construction Projects", "Analysis of Typical Cases of Full Process Engineering Consulting", and "BIM Cost Control".



Parallel Session Speakers



ZHONGQUAN

Senior Engineer, First Class Cost Engineer, Royal Chartered Surveyor, Hong Kong Quantity Surveyor, FIDIC Certified Consulting Engineer China

Social Position

- Deputy Director of the Expert Committee of the Engineering Management Committee of the China Engineering Consulting Association
- Senior member, executive director, and expert committee member of China Construction Engineering Cost Management Association
- Honorary President and Director of Expert Committee of Guangdong Engineering Cost Association
- Executive Director and Expert Committee Member of Guangdong Engineering Consulting Association
- Vice President of Guangdong Enterprise Federation
- Executive Director of the New Class Federation of Guangdong Province
- Director of the Guangdong Provincial Housing and Urban Rural Construction Rule of Law Research Association
- Arbitrator of Jiangxi Ganjiang New Area International Arbitration Court
- Expert Committee Member of the Construction Engineering Professional Committee of Guangzhou Arbitration Commission
- Member of the Expert Advisory Committee of the Maoming Arbitration Commission
- Distinguished Professor, School of Management, Tianjin University of Technology
- Visiting Professor at Wuyi University

Research Findings

- Editorial board member of the "Guidelines for Full Process Engineering Consulting of Construction Projects"
- Main drafters of the "Construction Engineering Cost Appraisal Specification" and "Construction Engineering Cost Consulting Specification"
- Technical experts in the Comprehensive Quota of General Installation Engineering in Guangdong Province (2018) (Volume 3, Volume 8, Volume 12)
- Reviewer of "Application and Research of Whole Process Cost Management for Key Construction Projects in Nansha, Guangzhou"



Parallel Session Speakers



TSUYOSHI KAWASHIMA

Structure Design Department and General Design Department Manager
ZENSEKKEI. Inc.

Japan

Born in Tokyo. Since 2009, he has been engaged in architectural-design work etc. with a focus on structural design. He recognized the importance of cost management in building realization, including seismic retrofitting, and became a full-member of BSIJ in 2017. He joined BSIJ's-YQS-group in 2018 and participated in 2019, 2021, 2022 PAQS.

Credential and all associated qualification :

- Qualified Building Cost Manager (BSIJ)
- Qualified Building Cost Engineer (BSIJ)
- 1st-class Construction Management Engineer (JP)
- 2nd-class Architect and Building Engineer (JP)
- Seismic Evaluation Registration Qualified Person (JP) Damaged Building Emergency Risk Assessor (Tokyo (JP)) Earthquake Building Damage Classification/Restoration Engineer (JP)
- Tokyo Metropolitan Wooden House Seismic Evaluation Engineer (Tokyo (JP))
- Existing Housing Inspection Engineer (JP)



DR ROLIEN TERBLANCHE

PhD (QS), MSc (QS), BSc (Hons) (QS), BSc QS

South Africa

Dr Rolien Terblanche graduated with her Honors degree in BSc (QS) in 2012. She then worked as a consulting QS in the private commercial sector for about 4 years while gaining her PrQS status with the SACQSP. She then embarked on her academic career in 2016 at the University of the Witwatersrand and graduated with a PhD (QS) in December 2022. She is currently a lecturer at the University of the Witwatersrand, specializing in QS courses.



YANG BOLIN

China

- Graduated from Shandong Urban Construction Vocational College with a major in Engineering Cost in July 2021.
- From August 2021 to January 2022, worked as a bidding agency specialist at Beijing Qiushi Engineering Consulting Co., Ltd.
- From January 2022 to present, working as a specialist in the General Manager's Office of Longda Hengxin Engineering Consulting Co., Ltd.

Parallel Session Speakers



XIAOXUE

PhD, Hong Kong Polytechnic University
PhD from Queensland University of Technology
HEA Associate Fellowship, Australia
Senior Researcher of Shenzhen Svell Technology Co., Ltd
China

Xiao Xue, a senior researcher at Shenzhen Svell Technology Co., Ltd., is mainly responsible for the research and development of various applications of artificial intelligence technology in construction project software, as well as the undertaking of research projects. PhD in Real Estate Management and Management at the Hong Kong Polytechnic University. Ph.D. in Intelligent Construction from Queensland University of Technology and Bachelor's degree in Engineering Management from Tianjin University. HEA Associate Fellowship member in Australia. Published 5 SCI/EI papers and 5 invention patents as the first author in the field of intelligent construction. I have served as a postdoctoral fellow at the Hong Kong Polytechnic University and a science postdoctoral fellow at the Queensland University of Technology. Participated in the organization and research of multiple important topics in the construction field both domestically and internationally.



DR. DAPING ZHANG

BSc, MSc, PHD, MRICS, MAIQS, MAACE, FCCEA
Director of RICS China Board, Arbitrator of Beijing Arbitration Commission
Director of Expert Witness committee BCEBCA, Senior Engineer
Expert of Ministry of Commerce, National Registered Consulting Engineer
Vice-chairman TRUTHS Project Consulting Ltd
China

Dr. Daping Zhang serves as the Vice-Chairman of Truths Project Consulting based in Beijing. He also holds esteemed positions and qualifications as a Board Member of RICS Great China and as a Registered Consulting Engineer, amongst other designations such as FCCEA, MRICS, MAIQS, and MAACE.

Dr. Zhang's academic credentials are as remarkable as his professional journey. He earned his B.S. in Structural Engineering from in 1989, followed by an M.S. in Engineering in 2000. Expanding his global academic exposure, he pursued a Quantity Surveying degree from the University of Reading, UK in 2002. He was conferred a Ph.D. degree in 2019. Notably, in 2007, Dr. Zhang was a visiting scholar at the revered University of Cambridge, supported by the State Scholarship Fund.

Spanning over three decades, Dr. Zhang's proficiency encompasses a wide range of domains including design, construction, and construction management. His vast project involvement traverses the realms of industrial, institutional, manufacturing, and retail construction.

Parallel Session Speakers



DAVID FINNIE

Senior Lecturer, Otago Polytechnic
Degree Monitors for Arts, Bachelor of Construction
New Zealand Qualification Authority (NZQA)
New Zealand

David has taught construction management and quantity surveying for 11 years at Otago Polytechnic, New Zealand while studying postgraduate Construction Law at Massey University and has completed doctoral level research into two-stage early-contractor involvement (2S-ECI). From this research, David produced a pre-construction services agreement (PCSA) which is freely available to members of the Society of Construction Law New Zealand members for use across New Zealand. David began his construction career as an apprentice carpenter and then worked as a contracts manager for a nationwide construction company before transitioning to academia. David is an elected Council member for the Society of Construction Law New Zealand, and is on the National Committee for the Adjudicators Association of New Zealand. He serves as educational representative for the New Zealand Institute of Quantity Surveyors (NZIQS) Otago Branch Committee. He is the Ethicist Otago Polytechnics College of Engineering, Construction and Living Sciences Research Ethics Committee, and serves on Otago Polytechnics Research Ethics Committee. David is an NZQA Degree Monitor for Arts Bachelor of Construction. He also consulted on the procurement planning for a NZD150 million development at Scott Base, Antarctica.



CHEW SIAK KOR

M.D., Master's Degree of Project Management
Lee Kong Chian Faculty of Engineering and Science (LKCFES), Sungai
Long Campus, Universiti Tunku Abdul Rahman, Malaysia

Exposing to construction industry since 2002 with experience of site surveying on building surveying as well as estate surveying, and practical experiences with design, tender, progress, final account, consultant, contractor, and many various quantity surveying practices.

Joined Glodon in 2016 and together involved hundreds of BIM oriented 3D modellings over 15 types of buildings. Having more than 5 years of educational experience in modelling techniques, cultivated more than 500 trainees across Southeast Asia and maintained relationships with BIM professionals and researchers from 15 countries. Together with Glodon, ventured more than 5 years of digital construction and global BIM development research. Also have been receiving 8 academia, industrial, local authorities, and professional organizations awarded certification.

Currently with PhD in Engineering research focused on automation and digital construction.



NURUL SYAHIDAH MAZLAN

Master of Science in Information Management for Design, Construction and Operation from University of Reading, United Kingdom

Bachelor of Science (Honors) in Quantity Surveying from University of Reading Malaysia

Provisional Quantity Surveyor of Board of Quantity Surveyors Malaysia (BQSM)

Graduate Member of Royal Institution of Surveyors Malaysia (RISM).

Programme Lead for BSc Quantity Surveying and Lecturer, The School of Built Environment, University of Reading Malaysia

Nurul Syahidah Mazlan received her Bachelor of Science (Honors) in Quantity Surveying from the University of Reading Malaysia and completed her Master's Degree in Information Management for Design, Construction, and Operation at the University of Reading, United Kingdom.

She joined the University of Reading Malaysia in October 2022 as the Programme Lead for BSc Quantity Surveying and Lecturer in Built Environment. In this role, she is responsible for various aspects related to the successful delivery and management of the academic programme. She teaches modules related to quantification, costing and digital construction. Before joining the university, she worked as a consultant quantity surveyor at a reputable firm in Johor Bahru. Her experience in delivering contracts and project cost advisory for various construction projects, along with her master's degree background, significantly contributes to her teaching interests in quantification, costing, and digital construction.

Moreover, her research pursuits primarily revolve around digital construction and BIM, reflecting her deep passion for exploring innovative solutions within the construction industry. Her dedication to advancing knowledge in these areas aligns seamlessly with her teaching objectives, allowing her to provide students with cutting-edge insights into the transformative potential of digital technologies in construction practices. Her dedication to her field is evident not only in her teaching and research pursuits but also in her aspiration to pursue a Ph.D., further deepening her expertise and contributing to the scholarly discourse in construction-related disciplines. Furthermore, she is a registered Provisional Quantity Surveyor with the Board of Quantity Surveyors Malaysia (BQSM) and a Graduate Member of the Royal Institution of Surveyors Malaysia (RISM).

Parallel Session Speakers



Ts. AMIRUL IZZAT BIN ISMAIL

CostX Consultant, B.Sc. (Hons) QS, MBA, P.tech (MBOT)
RIB Software Malaysia

He is a Provisional Quantity Surveyor who registered with the Board of Quantity Surveying Malaysia (BQSM), a registered student member with the New Zealand Institution of Quantity Surveyor (NZIQS), and a registered student member with RICS. He has a total of 13 years of working experience mainly in the energy and construction Industry. He holds a Bachelor's (Hons) Degree in Quantity Surveying from the Universiti Teknologi MARA, and a Master's in Business Administration (MBA) from INTI International University, Malaysia. Prior to his current position as RIB CostX Consultant, he held several positions such as Product Manager, Quantity Surveyor, Contract Administrator, and Project Control Engineer in various mega projects. One of them includes Malaysia's First Deep-Water structure known as FPS Gumusut Kakap worth MYR 5.0 billion project. After several years of QS and Product Management experience, he was offered to join RIB to contribute experience in implementation and training to the QS in the AEC industry. On-board with RIB since February 2023 as CostX Consultant covering the whole SEA and Japan area. During his employment with RIB, he was appointed as Industrial Advisory Panel for two local Universities as well as Accreditation Panel with the Malaysia Board of Technologists (MBOT). For his job scope, his contribution to the industry is assisting Digital Transformation to QS Consultants and Contractors. However, in the academic world, his contribution is accreditation, giving lectures related to BIM5D, and advising course structures to the universities. He has personal missions in which he wants to help QS in a digital transformation that can lead to better productivity, a more meaningful profession, and a more decent life.



WONG YI MIN

Deputy Contract Manager
Land and Transport Authority Singapore

Wong Yi Min is a Professional Quantity Surveyor with more than 18 years of experience spanning both public and private sections. She holds a robust expertise in diverse domains, including commercial, residential, leisure, industrial and infrastructural projects within Singapore's landscape. Her roles have ranged from Senior positions in renowned consultancies like CPG Consultants and WorleyParsons, where she steered complex infrastructure undertakings and managed key element of project lifecycle, to pivotal roles in the Land Transport Authority, overseeing contracts and procurement for significant rail and depot expansion initiatives. This extensive career trajectory is underscored by her proactive involvement in critical stages of project development, encompassing feasibility studies, procurement management, contracts administration, and cost estimation. With consistent track record of leadership, intricate project management, and a remarkable commitment to professional organization and awards, her tenure is a testament to her exceptional prowess and influence in the realm of Quantity Surveying and construction management.



HANS WEEMAES

Director, Sustainability
Turner & Townsend, Malaysia

Turner & Townsend, Kuala Lumpur (2022 – Present): As Director of Sustainability, Hans leads regional Net Zero service offerings, focusing on revenue growth. He spearheads Citi's Global Sustainability Program's largest workstream, identifying \$100M in CAPEX to reduce carbon emissions.

NEAPOLI Sdn. Bhd (2018 – 2022): As Managing Director, Hans revitalized the company, doubling revenues and securing blue-chip clients like Novartis and L'Oréal. He expanded services into health & wellbeing and Net Zero, positioning the firm as a leading sustainability consultancy in Malaysia.

YONSEI SCHOOL OF BUSINESS (2015 – 2018): Hans lectured on subjects like "Strategic Management" and "Entrepreneurship" at Korea's top Business School.

CAPTIVA PARTNERS (2015 – 2018): Hans demonstrated expertise in business advisory and consulting. Notable achievements include a £10m investment memorandum for a UK tech consultancy and Commercial Due Diligence for diverse firms.

ING GROUP (2003 – 2013): Holding multiple roles, Hans was the Head of Strategic Change for ING UK and led the Project Management Office (PMO), achieving significant operational efficiencies.

EDUCATION

Masters in Business Administration from London Business School, U.K., and an M.Sc. from Erasmus University Rotterdam, Netherlands.

SKILLS & ACCOLADES

A strategic thinker with skills in consulting and decarbonisation, Hans holds accreditations like LEED AP BD+C and PMI PMP. He's a recognized speaker at events like GreenBuild China.

Parallel Session Speakers



YOSUKE TANAKA

First-Class Licensed Architect (JP)
First-Class Licensed Construction Management Engineer (JP)
Construction Cost Manager (JP)
Certified Construction Manager of Japan “CCMJ”
Construction Project Management Department
Hazama Ando Corporation
Japan

After graduating from an architectural university in Japan, he works as a Construction Management Engineer in HAZAMA ANDO CORPORATION. He then moved to the QS department and took up the role of BIM Promotion Department Manager.

Currently, he leads a team in charge of BIM, DX, Decarbonization related technology development in the project management department. He is also actively participating in multiple projects such as joint research, joint development, committees, and conferences.



HAFIZ AMIRROL

Deputy Executive Director
MERCY Malaysia

Hafiz is a humanitarian worker. He is the Deputy Executive Director of MERCY Malaysia, an international non-profit organisation focusing on providing medical relief, sustainable health related development and risk reduction activities for vulnerable communities in both crisis and non-crisis situations.

Hafiz had served as consultant for United Nations Human Settlements Programme (UN-Habitat), the Japan International Cooperation Agency (JICA), the Malaysia National Disaster Management Agency (NADMA), the Asia-Pacific Economic Cooperation (APEC), Yayasan Sejahtera, Urbanice Malaysia, and many other.

He was also the Research Advisor for the Asian Disaster Reduction and Response Network (ADRRN), and the Civil Society Stakeholder Group representative at the Asia-Pacific Partnership Forum for Disaster Risk Reduction and the Asian Ministerial Conference on Disaster Risk Reduction in Thailand, India, Mongolia, and Australia. Hafiz teaches Urban Theory and Urban Space Design at the Centre for Postgraduate Studies, Universiti Teknologi MARA, Malaysia.



Parallel Session Speakers



ORQUIOLA, ROLAN SIMON CRISVIR M.

MSc BSc MRICS MPICQS MAIQS

Philippines

Rolan is an enthusiastic Chartered Quantity Surveyor and Claims Consultant. He holds full membership status with the RICS, AIQS, and PICQS. He has been working for 10 years in the industry, primarily based in the Middle East, and continues to cultivate his knowledge and experience in contracts, claims, cost, and commercial management within the construction sector. He holds an MSc in Quantity Surveying (Merit), BSc in Electrical Engineering (cum laude), and is currently completing his LLM in Construction Law.

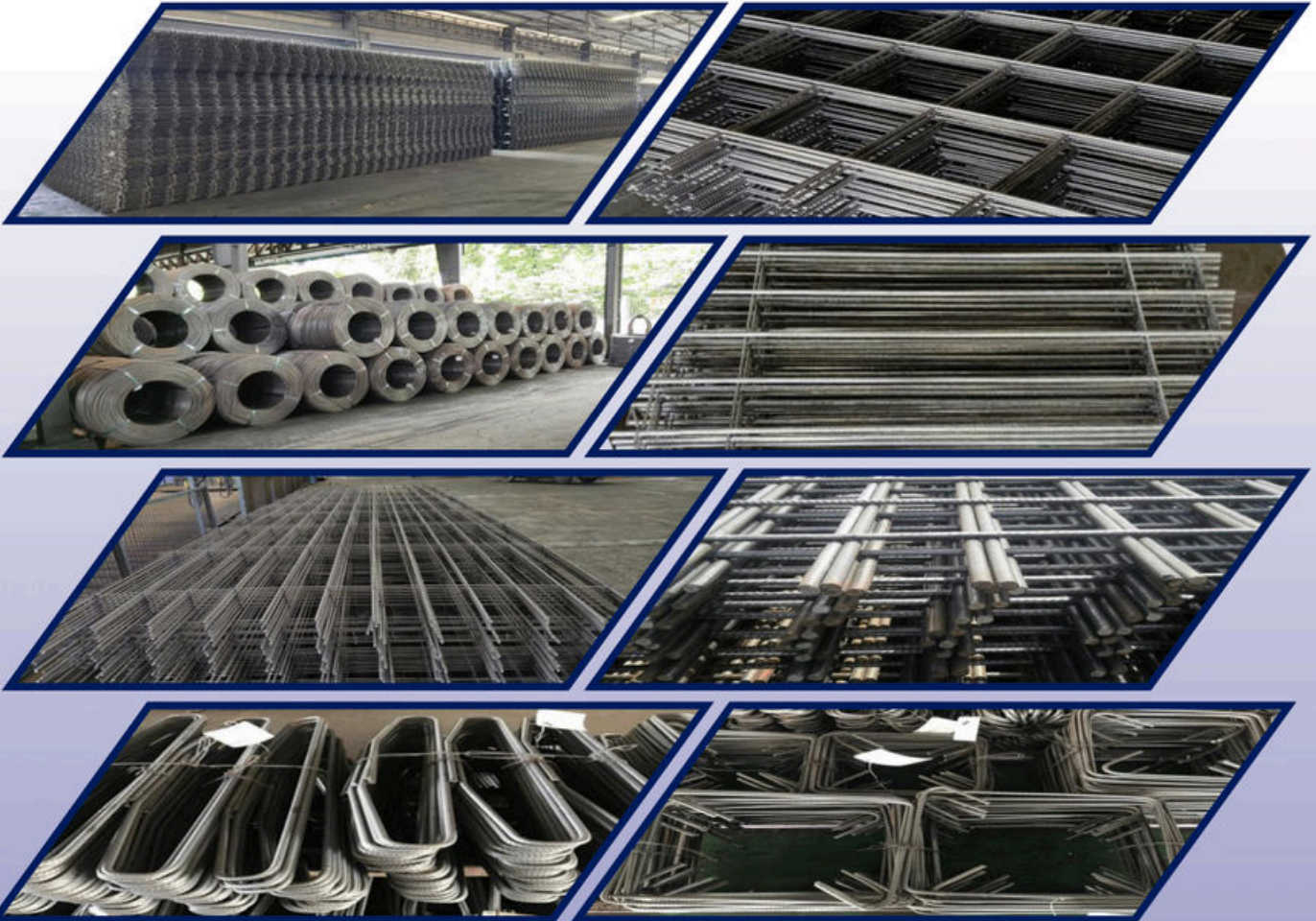


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5 ½ Miles, Jalan Kapar, 42100 Klang, Selangor.

Tel: 03-3291 2116

Contact: Mr. Wong Chee Keong (016-240 4061)

Email: wong.cheekeong@southsteel.com

Northern: Plant (Steel Mesh)

2489 Mk 1, Lorong Perusahaan 12,

Prai Industrial Estate, 13600 Prai, Penang.

Tel: 04-399 8266

Contact: Mr. Leong Chian Tat (012-488 8731)

Email: leong.chiantat@southsteel.com

Cut & Bent Bar

**PROJECT ORDER
AD-HOC ORDER**

Central: Plant (Cut & Bent Bar)

Lot 63, 149, 160 & 161,

Lingkarman Taman Industri Integrasi, Rawang 2,

Taman Industri Integrasi Rawang, 48000 Rawang, Selangor.

Tel: 03-3291 2116

Contact: Mr. Chew Ann Han (012-698 1190)

Email: chew.annhan@southsteel.com

Northern: Plant (Cut & Bent Bar)

2489 Mukim 1, Lorong Perusahaan 12,

Prai Industrial Estate, 13600 Prai, Penang.

Tel: 04-399 8266/8277

Contact: Mr. Chew Ann Han (012-698 1190)

Email: chew.annhan@southsteel.com



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23 September 2023

Glenmarie Golf & Country Club

Itinerary

12.45-1.30 PM : Registration

1.45 PM : Photo session

2.00 PM : Tee-off

6.45 PM : Dinner and Prize Presentation

8.00 PM : Dinner ends

PAQS 2023 Spouse Programme

DAY 1 - 25 September 2023 | 9:00 AM - 3:00 PM
Meeting Point : Central Market Information Counter

Explore Kuala Lumpur's heritage and history sites with a guided tour through the historic heart of KL covering many famous colonial-era landmark building clustered in a compact area surrounding Merdeka Square. Discover the chronology from the founding of the city and her growth through the years at actual historical sites still existing today, and learn of the key personalities who played major roles in the growth of the city. The walking tour will reveal the multi ethnic mix and cultures from the early days that has evolved to the cosmopolitan lifestyle that the city is now.



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Selangor, Malaysia

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Website: paqs2023.com

REGISTER NOW



This itinerary is tentative and subject to changes.

1



**SULTAN ABDUL SAMAD
& KL CITY GALLERY**
30 Minutes

The Sultan Abdul Samad is amongst Kuala Lumpur's earliest Moorish-style buildings. The distinguished landmark originally serviced as the secretariat for the colonial British administration. A visit to KL city gallery is a must to learn about the history and birth of Kuala Lumpur.

4



**MASJID JAMEK MOSQUE
& RIVER OF LIFE**
30 Minutes

The Jamek mosque is one of the oldest surviving mosques in the heart of the city. Built in 1909, it is located at the historical confluence of the Gombak and Klang rivers, which inspired the name of Kuala Lumpur.

7



SIN SZE SI YA TEMPLE
15 Minutes

Sin Sze Si Ya Temple, built in 1864 by Kapitan Yap Ah Loy, is hailed as the oldest Taoist temple in Kuala Lumpur. It is dedicated to patron deities Sin Sze Ya and Si Sze Ya, who played significant roles in Yap Ah Loy's ascension to Kapitan status during the 19th century.

10



KWAI CHAI HONG
15 Minutes

Kwai Chai Hong is a popular tourist attraction in Chinatown. It is a small alley behind Petaling Street with numerous murals depicting the daily life at this place in the old days. The lane has been there for almost a century before it was lovingly refurbished.

2



ROYAL SELANGOR CLUB
15 Minutes

Once known as the Selangor Padang, this vast lawn was the cricket pitch for the Royal Selangor Club. The field was officially renamed Dataran Merdeka (Independence Square) on 1st January 1990. The Royal Selangor Club one of Asia's oldest sporting institutions founded in 1884, started out as a tiny wooden building with an "attap" roof. It was later redesigned in the Tudor style.

5



LEBUH AMPANG
15 Minutes

Lebu Ampang is one of Kuala Lumpur's oldest and busiest streets. Although a short street, it is a vibrant small Indian enclave with south Indian restaurants, businesses, and rows of Chinese shophouses. Discover why this little row is packed with so much history.

8



CENTRAL MARKET
1 Hour

Central Market (Pasar Seni), another indoor bazaar not far from Chinatown. The spacious market offers a variety of foods and distinctive souvenirs along with traditional Malaysian goods.

11



CHINATOWN
30 Minutes

Kuala Lumpur's Chinatown is the hub of food, accessories, clothing, and everything a tourist could ask for. It is one of the most colorful and vibrant areas of Kuala Lumpur. This place is a paradise for shopaholics and gourmands, and provides ample sight-seeing opportunities.

3



**THE CATHEDRAL OF
SAINT MARY**
15 Minutes

This is the first brick church in the Federated Malay States and is one of the oldest Anglican churches in the region, built in 1894.

6



OLD MARKET SQUARE
15 Minutes

The Old Market Square is a market and later grew into a commercial center for the town some 160 years ago. Tin miners and traders settled, here, following the discovery of tin mines in the 1850s. In the middle you will see a Clock Tower stands. It was built to commemorate the coronation of King George VI in 1937.

9



**KAFEI DIAN
LORONG PANGGONG**
1 Hour

Sample a variety of Malaysian dishes at Kafei Dian for lunch. This building was once the old post office built in 1911 in Malay and Tudor style architecture.

12



**SRI MAHA
MARIAMMAN TEMPLE**
15 Minutes

Sri Maha Mariamman temple is a large and elaborate Hindu temple was founded by Tamil immigrants, from southern India, who arrived in Malaya as contract labourers to build the railways and roads or work in the rubber plantations – its primary purpose was to serve as a solace from the rigours of their working life.

KUALA LUMPUR



PAQS 2023 Spouse Programme

DAY 2 - 26 September 2023 | 9:00 AM - 3:00 PM

Experience the best of Kuala Lumpur with a tour of the city's highlights with a licensed tourist guide. Start your day early by climbing 272 steps deep into a limestone hillside to explore the Hindu shrines in the Batu Caves followed by watching experienced artisans craft pewter with their hands into beautiful works of art. Explore and marvel at the beauty of Thean Hou temple, one of the most beautiful Chinese temple in Kuala Lumpur.



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REGISTER NOW



This itinerary is tentative and subject to changes.

1



**KING'S PALACE
KUALA LUMPUR**

15 Minutes (Photo-Stop)

The King's Palace, also known as Istana Negara, is a majestic and grand structure located in Kuala Lumpur, the capital city of Malaysia. It is the official residence of the King of Malaysia and is surrounded by lush green gardens and fountains. The palace's architectural style is predominantly Islamic and features intricate carvings, beautiful domes, and minarets. The interior is adorned with luxurious furnishings, crystal chandeliers, and paintings reflecting the heritage and culture of Malaysia.

3



**ROYAL SELANGOR
PEWTER MUSEUM**

45 Minutes

In 1885, a young pewtersmith named Yong Koon arrived in Malaya from the Chinese port of Shantou, armed with little more than a set of tools and a determination to succeed. Today, Yong Koon's humble enterprise is Royal Selangor, the world's foremost name in quality pewter.

5



PETRONAS TWIN TOWERS

15 Minutes (Photo-Stop)

Soaring to a height of 451.9 metres, the 88-storey twin structure is Kuala Lumpur's crown jewel. Majestic by day and dazzling at night, the PETRONAS Twin Towers is an international icon which powerfully captures the nation's ambitions and aspirations.

7



**THEAN HOU TEMPLE
KUALA LUMPUR**

45 Minutes

Thean Hou Temple, a 6-tiered pagoda temple atop Robson Heights. Completed in 1987 and officially opened in 1989, it was built by the Hainanese community of Kuala Lumpur and is dedicated to the goddess Tian Hou (The Heavenly Mother).

2



BATU CAVES

1 Hour 30 Minutes

The magnificent Batu Caves are one of the top tourist attractions in Malaysia. This 100-year-old temple features idols and statues erected inside the main caves and around it. Incorporated with interior limestone formations said to be around 400 million years old, the temple is considered an important religious landmark by Hindus.

4



LUNCH AT PELITA KLCC

1 Hour

Enjoy a lunch like a local at Pelita KLCC, a popular local restaurant known as "mamak" which serves a variety of Indian Muslim food like nasi kandar, naan, tandoori and many more.

6



SALOMA BRIDGE

30 Minutes

Marvel at the stunning bridge which connects the new and the old parts of Kuala Lumpur. Take walk from Petronas Twin Towers, a symbol of Malaysia's aspiration which began in the 90s to Kampung Baru, one of the last Malay settlements in the heart of Kuala Lumpur.



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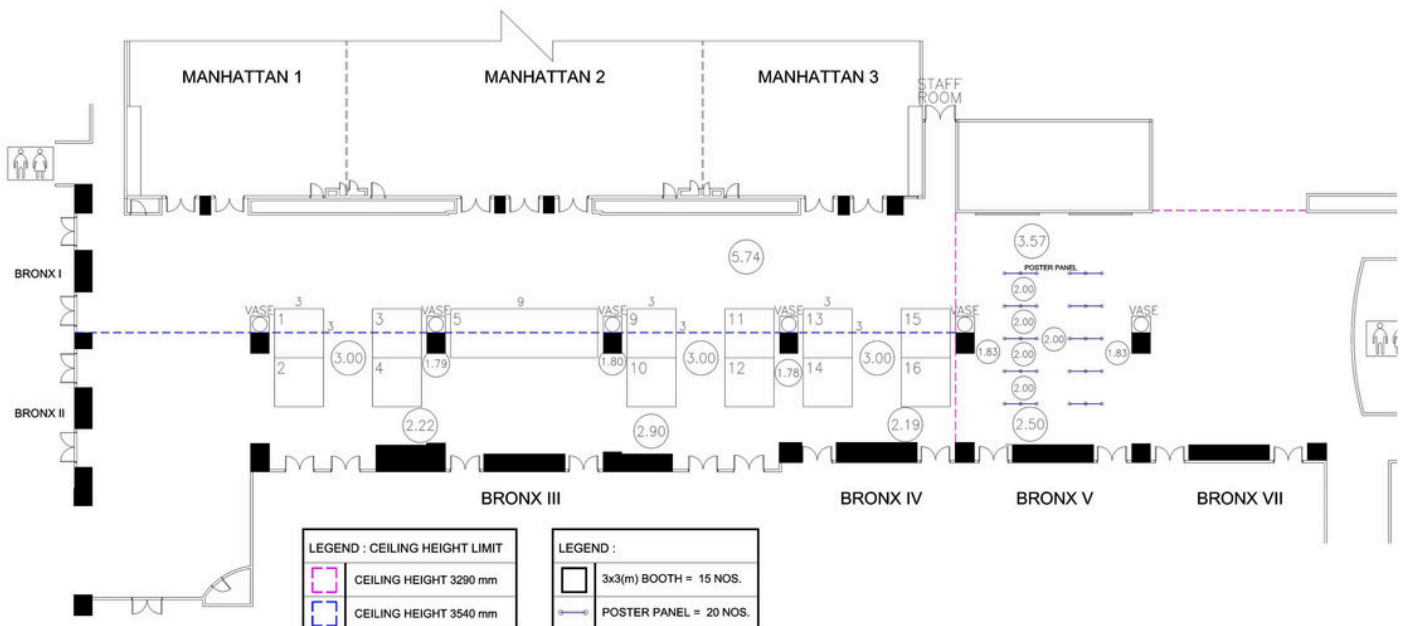
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16	Meeting Point A & B

PAQS CONGRESS 2023

/ 25 - 26 SEPTEMBER 2023 / PRE-FUNCTION AREA @ MANHATTAN BALLROOM 1, 2 & 3, BERJAYA TIMES SQUARE CONVENTION CENTRE





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