

Keynote Speakers, Moderators and Panellists



Guest-Of-Honour

Desmond Lee

Minister for Social and Family Development and
Second Minister for National Development
Singapore



Dr. Isabelle Louis

Deputy Regional Director and
Representative for Asia and
the Pacific
UN Environment
Thailand



Prof. Jan Peter Balkenende

Former Prime Minister of the
Kingdom of the Netherlands,
External Senior Advisor to
Ernst & Young & Chairman of the
Dutch Sustainable Growth Coalition
The Netherlands



Morton Kabbell

Mayor of Technical and
Environmental Affairs of
Copenhagen
The City of Copenhagen
Denmark



Hugh Lim

Chief Executive Officer
**Building and Construction
Authority**
Singapore



Andrea Reimer

Councillor
City of Vancouver
Canada



Tai Lee Siang

Chair
World Green Building Council
Singapore



Dr. Anuj Jain

Co-Founder
**Biomimicry Singapore
Network**
Singapore



Franklin Po

Chairman
Tierra Design Pte Ltd
Singapore



12 SEPTEMBER 2017 • TUESDAY

CONCURRENT SESSIONS	9.00 - 10.00	IGBC/ BEX Asia/ MCE Asia 2017 Joint Opening Ceremony	L3, Cassia 3201A - 3305
	10.00 - 10.30	Networking Tea Break @ Level 3, Bayview Foyer	
	10.30 - 12.00	TRACK 1.1 - International Case Study – Barangaroo South, Australia Moderator and Speaker: Engineering Australia's First Carbon Neutral Precinct Simon Wild , Head of Sustainability, Asia, Lendlease , Singapore Speakers: Barangaroo's Part in the Growth of Sydney as Green, Global and Connected city Chris Johnson , Chief Executive Officer, Urban Taskforce , Australia Developing Barangaroo South – From Bid Winning to Award Winning David Hutton , Managing Director, Development, Lendlease , Singapore	L3, Begonia 3003 - 3104
		TRACK 1.2 - Technical Workshop: Indoor Environment Quality [Sponsored by Camfil Singapore Pte Ltd] Speakers: Energy Efficiency of Air Filtration & Air Filtration Requirements Acc. New EN 16798-3 <ul style="list-style-type: none">• Energy efficient air filtration standard• How to save energy without compromising IAQ• Energy performance of Building – EU acc. new EN 16798-3 Tobias Zimmer , Global Product Manager, Comfort, Camfil , Germany The Impact of the BCA Green Mark Scheme Towards Enhancing Indoor Environmental Quality <ul style="list-style-type: none">• BCA Green Mark certification yields tangible benefits of better indoor environmental quality and health• BCA Green Mark buildings are more energy efficient with healthier indoor environments than non-Green Mark buildings• Occupants in BCA Green Mark buildings are more satisfied with their indoor environments and have less risk of experiencing sick building syndrome symptoms Prof. Tham Kwok Wai, PhD ISIAQ Fellow , Associate Professor – Department of Building, National University Singapore , Singapore	L3, Begonia 3001A - 3102
		TRACK 1.3 - Smart Buildings Moderator: Nilesh Y. Jadhav , Program Director – Eco Campus, Nanyang Technological University , Singapore Speakers: Driving Chiller Plant Optimisation with IoT & Data Analytics <ul style="list-style-type: none">• Developments of Internet of Things (IoT) & technology-driven tools that are significantly altering how commercial facilities are managed• How these technologies are optimising chiller plant operations with IoT & Data Analytics• Real-life case study and results of chiller plant optimisation pilot Kenneth Lee , Founder and Chief Executive Officer, Green Concepts , Singapore Beyond Benchmarking: The 5-pillar Approach to Energy Management <ul style="list-style-type: none">• What to look for when exploring Internet of Things (IoT) solutions• Cases of real savings in commercial buildings Roy Arindam , Vice President Sales – Australia/New Zealand and SEA, Building IQ , Australia Creating Perfect Places through the Building Digitalisation <ul style="list-style-type: none">• Understanding of the building digitalisation – an overview of the various technologies that are available• How digitalisation helped buildings reduce Greenhouse Gases (GHG) emissions, become more energy-efficient and save money Bharathkumar Venkataraman , Solutions Development Lead Middle East & Asia Pacific, Siemens Singapore	L3, Cassia 3201A - 3305
	12.00 - 14.00	Networking Lunch @ Level 1, BEX Asia Exhibition Hall	



12.00 - 14.00

Complimentary IGBC Tech talks

Level 1,
Hall A, B, C

GREENVIEW @ Level 1, BEX ASIA

Biophilic Spaces: Places for Senses

Cheong Yew Kee, Senior Vice President,
CPG Consultants Pte Ltd, Singapore

Living in a Park – Double Cove in Hong Kong

Edison Zhang, Director, **SRT Design Group**,
Hong Kong

Sustainability - Having Those Difficult Conversations

Rory Martin, Sustainability Manager, Residential,
Frasers Property, Australia

Cooling-as-a-Service for Green Buildings: Enhancing Quality and Reliability with District Cooling & Retail Cooling

Vinson Siau, Executive (Business & Project
Development), **Keppel DHCS**, Singapore

Residential Photovoltaic Energy Storage System (PV ESS)

Peter Ng, Director, **Narada Asia Pacific Pte Ltd**,
Singapore

MOSTRA XCHANGE @ Level 1, MCE ASIA

Chiller Plants Optimisation Using a Data Driven Approach

Chai Kok Soon, Director R & D, **Kaer Pte Ltd**, Singapore

BIM HVAC Tool and Next Generation Simulation Solver NANDRAD

Dirk Weiss, Engineer, **TU Dresden**, Germany

Think Connected. Conducting Electricity – Routing Data

James Gan, Sales Engineering Manager,
OBO Bettermann SEA Pte Ltd, Singapore

An Advanced, Innovative and Unique Pre-fabricated and Pre-insulated HVAC Duct Work System

Chan Kwan Heng, Managing Director,
Instad Pre Fabrication Pte Ltd, Singapore

Maintaining Excellent Water Quality in Cooling Towers and Chilled Water Systems – Thereby Substantial Savings in Water, Energy, Maintenance Cost and Extending Equipment Life Expectancy

KC Chang, Director, **KOL Global Engineering &
38 Marine and Offshore Pte Ltd**, Singapore

14.00 - 15.45

LEADERSHIP PLENARY: "BUILD GREEN – BE THE CHANGE"

L3, Cassia
3201A - 3305

Moderator:

Tai Lee Siang, Chair, **World Green Building Council**, Singapore

Keynote Speakers:

Contributions of the Building Sector to the Sustainable Development Goals (SDGs)

- Green buildings are important to meet the Paris Agreement Pledges for keeping the increase in temperature well below 2°C, and the SDGs
- Cities and green buildings are gaining increasing attention in Southeast Asia as 50% of population of ASEAN countries will live in cities by 2050
- Successful urban planning and sustainability implementation benefits from an integrated approach with shared responsibilities distributed across partners including government agencies, communities, civil society, financial institutions and the private sector
- Change has begun but collective actions and holistic approaches to urban planning and innovative partnerships are essential for accelerating and promoting effective sustainable development solutions

Dr. Isabelle Louis, Deputy Regional Director and Representative for Asia and the Pacific, **UN Environment**, Thailand





14.00 - 15.45

Changing Economic Tides, Lasting Prosperity

- Business leadership for change in ecological sustainability as part of (big and small) companies' business models and supply chains, referring to a good practice in the Netherlands: the Dutch Sustainable Growth Coalition. Highlighting how profit and planet actually go hand in hand
- Exploring the reasons why the Dutch government has opted for a circular economy by 2050, that will boost innovation, job creation and reduce the import of raw materials. A circular economy will require new stakeholder management, but the Netherlands already has a good track record in that area. The building and construction industry is an important sector, where benefits of sustainability can be significant and green building systems can be easily applied
- Understanding how international pressures against free trade, to Brexit and to the Paris Climate agreement and the need to stick to the principles that made our countries prosperous

Prof. Jan Peter Balkenende, Former Prime Minister of the Kingdom of the Netherlands, External Senior Advisor to **Ernst & Young** & Chairman of the **Dutch Sustainable Growth Coalition**, The Netherlands

Reducing CO2 Emissions by Co-creating a Green and Smart City

- Driving Copenhagen's vision of being CO2 neutral by 2025
- Improving the city's facilities to increase the option of cycling by 50%
- Inaugurating a street lab where smart solutions can be tested within the city
- Engaging partnerships for energy efficiency development and knowledge sharing

Morten Kabell, Mayor of Technical and Environmental Affairs of Copenhagen, **The City of Copenhagen**, Denmark

Keynote Panellists:

Andrea Reimer, Councillor, **City of Vancouver**, Canada

John Mandyck, Chief Sustainability Officer, **United Technologies Corporation**, The United States of America

Hugh Lim, Chief Executive Officer, **Building and Construction Authority**, Singapore

L3, Cassia
3201A - 3305

15.45 - 16.15

Networking Tea Break @ Level 3, Bayview Foyer

16.15 - 18.00

TRACK 1.4 - BCA Green Mark for Residential Buildings GM RB: 2016 Workshop

Speaker:

Dr. Edward Ang, Deputy Director, Green Mark Department (New Development), **Building and Construction Authority**, Singapore

Panellists:

Alfred Ng, Senior Manager, **City Development Limited**, Singapore

Ken Po Woei, Associate Director, **Building System & Diagnostics Pte Ltd**, Singapore

Owen Wee, Vice President (Architecture), **Surbana Jurong Pte Ltd**, Singapore

TRACK 1.5 - Perspectives from Asia's Emerging Markets (India & Indonesia)

Moderator:

Tiyok Prasetyoadi, Deputy of International Relations and Director of Rating Development, **Green Building Council Indonesia**, Indonesia

Speakers:

Sustainability in Indonesia – Opportunities and Challenges

- Water scarcity will be the biggest threat for earth
- How we treat water in a circular economy
- How the building industry can adapt to these issues through rainwater harvesting and water filtration

Naning Adiwoso, Chairperson, **Green Building Council Indonesia**, Indonesia

India Setting New Benchmarks in Green and Sustainable Construction

- India would witness phenomenal growth in the next 25 years. All future developments should go the sustainable way
- Estimated market potential for green building products and technologies in India is about USD 300 billion by the year 2025
- Indian building sector is adopting some of the latest and emerging green building concepts and technologies. Top ten ideas would be shared

S. Raghupathy, Regional Chair, **Asia Pacific Regional Network**, India

The Development of "Grand Design Green Building" Through A Collaborative Approach: Towards Jakarta as the Center of Excellence for Green Buildings

- An effort to engage stakeholders for the implementation of green buildings in Jakarta
- Developing Grand Design as a part of collaborative approach
- Grand Design as a reference for all stakeholders in the implementation of green buildings

Osvar Mungkasa, Deputy Governor of DKI Jakarta for Spatial Planning and Environment, **Jakarta Capital City Government**, Indonesia

L3, Cassia
3201A - 3305

L3, Begonia
3001A - 3102

CONCURRENT SESSIONS

18.30 - 21.30

Exclusive Networking Session (By Invitation Only)

[Sponsored by Pearl Sponsor, Mitsubishi Electric Asia Pte Ltd]

L5, Sands A
Foyer

19.00 - 21.00

IGBC/BEX Asia/MCE Asia 2017 Welcome Reception

L5, Sands A
Ballroom



8.45 - 9.15

Sharing by Winners of International Tropical Architecture Design (ITAD) Competition

This year's International Tropical Architecture Design Competition explores innovative green building design solutions to integrate zero energy buildings in a city of participant's choice. Hear from the winners on their innovative, impactful and practical design solutions!

L3, Cassia
3201A - 3305

9.15 - 10.45

SPOTLIGHT PLENARY: "BEAUTIFUL IDEAS TO CHANGE THE WORLD"

L3, Cassia
3201A - 3305

Moderator:

Ashvinkumar Kantilal, Board Member, **Singapore Green Building Council**, Singapore

Keynote Speakers:

Landscape Urbanism Describes a Disciplinary Realignment in Which Landscape Integrates with Architecture as the Basic Building Block of Contemporary Urbanism

- What is Landscape Urbanism
- Why is Landscape Urbanism important in Singapore
- Tierra & Po Design: A Working Laboratory

Franklin Po, Chairman, **Tierra Design Pte Ltd**, Singapore

Biomimetry – Designing with Nature in Architecture

Dr. Anuj Jain, Co-Founder, **Biomimicry Singapore Network**, Singapore

10.45 - 11.15

Networking Tea Break @ Level 3, Bayview Foyer

11.15 - 12.50

TRACK 2.1 - Perspectives from the World's Largest Green Building Market (China)

L3, Cassia
3201A - 3305

Moderator:

Koh Lin Ji, Group Director, International Development, **Building and Construction Authority**, Singapore

Speakers:

Desire of Nature – Vertical Greenery Approach with Guangzhou Freeman Garden Mix Development

- Understanding the Guangzhou Garden Mix Development Project and its improvement
- Exploring vertical greenery and its application to this Project
- The opportunities and challenges faced in greening a residential project

Xue Boying, General Manger, **Hong Kong Naihui Development Co. Ltd**, China

Colleen Wu, Managing Director, **CONSIS Engineering Pte Ltd**, Singapore

The Practices of Eco-City and Green Building in China Jinmao

Lin Huaiwen, Vice President, **Jinmao Holdings Group Limited**, China

Appropriate Technology and Engineering Practice for Hospitals Building Green Retrofitting in China

Dr. Di Yanqiang, Director, **China Academy of Building Research**, China

Panellist:

Prof. Wang You Wei, Chairman, **China Green Building Council**, China

TRACK 2.2 - Technical Workshop: High-performance Façades for the Tropics – Be the Change: From Research to Reality

L3, Begonia
3003 - 3104

[Sponsored by Technoform Bautech Asia Pacific Pte Ltd]

Moderator & Speaker:

Impact of Building Envelope Design on Energy Efficiency and Thermal Comfort in the Tropics

This session is an update on enhanced ETTV (envelope thermal transfer value) formulation on energy efficient building envelopes (GBIC Collaboration Project among Building Construction and Authority of Singapore (BCA), National University of Singapore (NUS) and Technoform Group)

Prof. Chou Siaw Kiang, Professor Department of Mechanical Engineering, **National University of Singapore**

Speakers:

Building Envelopes for the Future

- BCA's future plans for Building Envelope
- Latest development in the BCA SkyLab
- Latest technologies in test-bedding

Alice Goh, Principal Manager, Green Building Research, Built Environment Research and Innovation Institute (BERII), **Building and Construction Authority**, Singapore

CONCURRENT SESSIONS



11.15 - 12.50

CONCURRENT SESSIONS

Fire Safety and Façades: Design, Performance and Testing

- Fire spread scenarios involving façades
- Fire risk mitigation through design strategy and criteria
- Fire codes/standards and product testing and certifications
- Cases of study of fires involving the building envelope

Prof. Ing. Paolo Rigone, Technical Expert and Convener CEN TCC33 WG6 European Standardisation on Curtain Walling Other various European Standardisation Committee, **Politecnico di Milano**, Italy

Progress Towards New Zero Building Façades: New Directions in the U.S.

Stephen Selkowitz, Senior Advisor, **Lawrence Berkeley National Laboratory**, The United States of America

High-Performance Façades – Be the Change

- Relevance and benefits of thermally broken façades for the tropics
- Challenges of respective stakeholders in projects from design to reality
- How each stakeholder can overcome the challenges and be the change

Amos Seah, Project Technical Manager, **Technoform Bautec Asia Pacific**, Singapore

Panellist:

Ang Kian Seng, Group Director, Environmental Sustainability Group, **Building and Construction Authority**, Singapore

L3, Begonia
3003 - 3104

TRACK 2.3 - Technical Workshop: Fans of the Future: Efficient and Smart

[Sponsored by ebm-papst SEA Pte Ltd]

Speakers:

How Intelligent Fans are Helping to Save Energy in Today's Dynamic World

- Exploring the saving potential of intelligent fans in commercial buildings with case studies
- How the Internet of Things (IoT) and Connectivity are helping to drive this across
- The age of the intelligent fan

Carsten Ederer, Technical Director, **ebm-papst SEA Pte Ltd**, Singapore

Uwe Siglock, Head of Market Management, **ebm-papst Mulfingen GmbH & Co. KG**, Germany

L3, Begonia
3001A - 3102

12.50 - 14.00

Networking Lunch @ Level 1, BEX Asia Exhibition Hall

12.50 - 14.00

Complimentary IGBC Tech talks GREENVIEW @ Level 1, BEX ASIA

The Role of ICT

Rohan Rawte, Director, Head of Middle East & Asia, **IESVE Singapore Pte Ltd**, Singapore

A.I. for Intuitive and Intelligent Buildings

Julian Lee, Chief Executive Officer & Founder, **Ambi Labs Limited**, Hong Kong

Exploring + Positive Spaces of Tomorrow, Today

Serene Lin, Design Studio Manager, **Interface Pte Ltd**, Singapore

Green Living Starts Right Where You Are

Randall Foo Shea Na, Senior Manager, **Peak Engineering & Consultancy Pte Ltd**, Singapore

Impact of IoT on Intelligent Lighting

Christopher Lee, Vice President, Business Development, **Photizo Global Pte Ltd**, Singapore

L1, Hall A,B,C





14.00 – 15.30

TRACK 2.4 • A Bird's Eye View of Sustainable Built Environment

L3, Begonia
3001A - 3102

Moderator:

Er. Yvonne Soh, Executive Director, **Singapore Green Building Council**, Singapore

Speakers:

The Ripple Effect

- Smart developers lead the early wave of green building around the globe
 - Those developers internalised such new and time consuming processes into business as usual and now reap the benefits. As the majority of new construction is now occurring in developing nations, our focus has shifted to how we create similar ripple effects in different markets contexts
 - Explore the role of financial institutions have in creating the right market conditions for green buildings
- Jane Henley**, Global Operations Lead – Green Building, **World Bank Group**, The United States of America

Green Buildings Make Good Business Sense

- Buildings are subset of the built environment and there are many opportunities to explore in metros, villages, railway stations, landscapes, etc.
- The place we stay, travel, work, entertain should go green. India has world class examples on all these fronts
- The built environment going green is a win-win situation for all governments, stakeholders and the public. Business opportunities are immense as our built environments are now going green

S. Raghupathy, Regional Chair, **Asia Pacific Regional Network**, India

Panellist:

Prof. Wang You Wei, Chairman, **China Green Building Council**, China

CONCURRENT SESSIONS

TRACK 2.5 • BCA Green Mark for Existing Non-Residential Buildings GM ENRB: 2017 Workshop

L3, Cassia
3201A - 3305

Moderator:

Toh Eng Shyan, Director, Green Mark Department (Existing Buildings), **Building and Construction Authority**, Singapore

Speaker:

Eddy Lau, Director, Certification and Technology, **Singapore Green Building Council**, Singapore

Panellists:

Lim Tow Fok, General Manager, **Keppel Land International Ltd**, Singapore

Er. Koh Kin Teng, Director, **Squire Mech Pte Ltd**, Singapore

Lim Fatt Seng, Managing Director, **Comfort Management Pte Ltd**, Singapore

Er. Alfred Lim, Vice President, **CapitaLand Singapore Ltd**, Singapore

15.30 - 16.00

Networking Tea Break @ Level 3, Bayview Foyer

16.00 - 17.30

CLOSING PLENARY

L3, Cassia
3201A - 3305

Moderator:

Ang Kian Seng, Group Director, Environmental Sustainability Group, **Building and Construction Authority**, Singapore

Keynote Speaker:

Greenest City 2020: Turning Lessons from Vancouver into Actions in Your City

- In 2009, Vancouver set a bold vision to be the greenest city in the world by 2020. Despite a challenging federal government policy environment, the city was able to leverage that vision into action and results through leadership, partnership, and a strategic plan that has engaged tens of thousands of residents.
- Since embarking on the Greenest City, Vancouver has also developed a number of long-term plans including a globally significant climate adaptation strategy and a strategy to transition to 100% renewable energy by 2050
- Explore the steps behind Vancouver's approach and the opportunities for leadership, planning, action and partnerships in your sphere of influence

Andrea Reimer, Councillor, **City of Vancouver**, Canada

Keynote Panellists:

Tai Lee Siang, Chair, **World Green Building Council**, Singapore

Prof. Jan Peter Balkenende, Former Prime Minister of the Kingdom of the Netherlands, External Senior Advisor to **Ernst & Young** & Chairman of the **Dutch Sustainable Growth Coalition**, The Netherlands

Prof. Lam Khee Poh PhD, FRIBA, Provost's Chair Professor of Architecture and Building Dean, School of Design and Environment, **National University of Singapore**, Singapore

Tan Swee Yiow, Chief Executive Officer, **Keppel REIT Management Ltd**, Singapore

Chris Large, Senior Partner, **Global Action Plan**, The United Kingdom



8.00 - 10.40 **BCA Breakfast Talk for CEOs (By Invitation Only)**
[Sponsored by Daikin Airconditioning (Singapore) Pte Ltd]

L3, Cassia
3201A - 3305

9.00 - 12.30 **TRACK 3.3 - Zero Energy Building Roundtable**

L3, Begonia
3001A - 3102

CONCURRENT SESSIONS

Moderator:

Tan Tian Chong, Deputy Managing Director, Built Environment Research and Innovation Institute (BERII), **Building and Construction Authority**, Singapore

Speakers:

Towards Positive Energy, Zero Energy, and Super Low Energy Buildings (PE-ZE-SLEB) for the Tropics

- Unique challenges in achieving PE-ZE-SLEB in the urban environment of the tropics
- Key technologies and strategies to push the boundary of energy efficiency in buildings
- Roadmap to accelerate the adoption of PE-ZE-SLEB

Dr. Gao Chun Ping, Director, Green Building Research Department, **Building and Construction Authority**, Singapore

A Snapshot of Progress Towards Net Zero Energy Building Goals: Achievements, Gaps and Challenges

- Creating and tracking a viable framework of bold but achievable performance goals
- Technologies and integrated systems solutions that support net zero energy buildings
- Enablers and obstacles: Tools and design process, cost and constructability, occupants and facility operations

Stephen Selkowitz, Senior Advisor, **Lawrence Berkeley National Laboratory**, The United States of America

Positive, Zero and Super Low Energy Buildings for Singapore

- What are Zero Energy Buildings (ZEB)?
- How to get there?
- Where are we today?

Prof. Wong Yew Wah, Deputy Director, Smart & Sustainable Building Technologies, **Energy Research Institute @ Nanyang Technological University (ERI@N)**, Singapore

11.00 - 12.30 **TRACK 3.1 - Local Case Study – South Beach, Singapore**

L3, Cassia
3203 - 3305

CONCURRENT SESSIONS

Moderator:

May Siu, Director, Green Mark Department (New Development), **Building and Construction Authority**, Singapore

Speakers:

Tan Kian Chuan, Senior Manager – Project Division, **City Developments Ltd**, Singapore

David Chim, Principal, **AEDAS**, Singapore

Dion Anandityo, Singapore Sustainability Leader, **ARUP**, Singapore

Er. Pang Pei Song, Associate, **WSP Consultancy Pte Ltd**, Singapore

TRACK 3.2 International Case Study – KL Sentral, Malaysia

L3, Begonia
3003 - 3104

Moderator & Speaker:

James Chua, ESD Director, **G-Energy Sdn Bhd**, Malaysia

Speakers:

Robert Guok, General Manager, **G-Energy Sdn Bhd**, Malaysia

Lee Tze Lin, Engineer, **Li-Zainal Sdn Bhd**, Malaysia

12.30 - 14.00 **Networking Lunch @ Level 1, BEX Asia Exhibition Hall**





14 SEPTEMBER 2017 • THURSDAY

12.00 - 14.00

Complimentary IGBC Tech talks

Level 1,
Hall A,B,C

GREENVIEW @ Level 1, BEX ASIA

Building with Nature – Project in Demak (Indonesia)

Fokko van der Goot, Senior Project Engineer,
Bokalis International, The Netherlands

Virtual Environment Model for Smart and Efficient Buildings

Priyanka Mehta, Project Manager, **Energy Research Institute@Nanyang Technological University**, Singapore

Sustainable Building in Canada

Gerrett Lim, Founder/Director, **GreenSolutions Inc**,
The Philippines

A Bold Vision for Energy Management in the Age of IoT

Alex Lau, Chief Executive Officer & Founder,
Anacle Systems Limited, Singapore

Magic Cable Tray System

James Gan, Sales Engineering Manager,
OBO Bettermann SEA Pte Ltd, Singapore

MOSTRA XCHANGE @ Level 1, MCE ASIA

Geotechnical, Environmental & Bioengineering

Kenney Kwan, Group Executive Director,
SystemNix Technologies Pte Ltd, Singapore

The Blue Revolution: Smart Green Design for Hot Climates

Virginie Francois, Regional Business Sector
Manager Asia Pacific, **BASF Construction
Chemicals**, Singapore

Retro-commissioning – A Viable Option for Energy Conservation and Making Existing Buildings Green

Challa Venu Kumar, Chief Operating Officer,
Building Performance Pte Ltd, Singapore

14.00 - 17.30

TRACK 3.4 - User-centric Workshop: Behavioural Change

L3, Begonia
3001A - 3102

Speaker:

Occupant Engagement – Making Real Environmental and Financial Savings that Last

Sharing 25 years of experience, Chris Large of the UK charity Global Action Plan will run an interactive workshop about engaging occupants of buildings in improving their green performance. Topics will include energy and waste issues, and participants will learn by doing – with exercises and games backed up by a presentation of the essential insights:

- The results of occupant engagement programmes and how these results have been achieved
- The theory to a successful behaviour change programme
- How any organisation can make the first steps to running an occupant engagement programme

Chris Large, Senior Partner, **Global Action Plan**, The United Kingdom

14.00 - 15.30

TRACK 3.5 - User-Centric Track: Better Places for People (Part 1)

L3, Begonia
3003 - 3104

Moderator & Speaker:

The World Green Building Council's Perspectives on Driving Real, On-The-Ground Action and an Increase for the Uptake of Greener, Healthier Buildings

- Sharing the global trends in healthy buildings
- Exploring how healthy buildings impact employee productivity
- 7 practical tips on how to make your building healthier

Joelle Chen, Regional Manager, Asia Pacific Network, **World Green Building Council**, Singapore

Speakers:

Why Human Cities?

- Sustainability = Business
- Innovation Through Sustainability
- Why 'Human Cities'

Jeremy Rowe, Managing Director, Decorative Paints for South East & South Asia, Middle East, **Akzo Nobel Paints (Asia Pacific) Pte Ltd**, Singapore

Evolution of Better Workplaces for People – Exploring the Coevolution of Sustainability and Workplace Design

- Evolution of sustainability from environmental focus to people focus
- Evolution of workplace design from desk to precinct
- Case study of Lendlease workplaces past, present and future

Simon Wild, Head of Sustainability Asia, **Lendlease**, Singapore

Panellist:

Ang Kian Seng, Group Director, Environmental Sustainability Group, **Building and Construction Authority**, Singapore

CONCURRENT SESSIONS



14.00 - 15.30

TRACK 3.6 Local Case Study – Khoo Teck Puat Hospital, Singapore

L3, Cassia
3203 - 3305

Moderator and Speaker:

Prof. Lee Siew Eang, Associate Professor, **National University of Singapore**, Singapore

Speakers:

Stewart Tai Yee Fong, Manager, **Alexandra Health Group**, Singapore

Jerry Ong, Senior Vice President, **CPG Consultants Pte Ltd**, Singapore

15.30 - 16.00

Networking Tea Break @ Level 3, Bayview Foyer

16.00 - 17.30

TRACK 3.5 User-Centric Track: Better Places for People (Part 2)

L3, Begonia
3003 - 3104

Moderator:

Joelle Chen, Regional Manager, Asia Pacific Network, **World Green Building Council**, Singapore

Speakers:

The Importance of an Indoor Air Quality Management System and How It Affects Your Occupants' Well-being and Productivity

- Why is indoor air quality important?
- How to start measuring indoor air quality performance?
- How to engage building occupants and ensure their well-being and productivity?

Nicholas Soon, Director, Business Development, **S3 Innovate**, Singapore

Healthy Workplace Ecosystem: Impacting Health In A Built Environment

- The Healthy Workplace Ecosystem capitalises on the shared facilities and amenities managed by developers to create a supportive environment that makes healthy living accessible for all workers in the vicinity
- Food outlets within the ecosystem started to provide healthier meal options and regular activities including exercise sessions and lunchtime health and safety education were organised at shared spaces
- Since its launch in 2014, more than 30 clusters (over 178,000 workers) are on board the Healthy workplace ecosystem and 3 in 5 participants have reported increasing their active time and exercising 150mins or more per week. 40% of participants have also reporting consuming more healthier meals

Sim Beng Khoon, Director, **Health Promotion Board**, Singapore

IAQ from an FM Perspective: An Inconvenient Truth

Sigrid Zialcita, Managing Director, Research, Asia Pacific, **Cushman and Wakefield**, Singapore

Panelist:

Ang Kian Seng, Group Director, Environmental Sustainability Group, **Building and Construction Authority**, Singapore

CONCURRENT SESSIONS

TRACK 3.7 - Green Buildings' Den [Partner with Singapore Green Building Council (SGBC)]

L3, Cassia
3203 - 3305

Speakers:

BIM Centric ETVV Analyser and Performance Based SC2

Dr. Alex Lee, Managing Director/Co-Founder, **Tian Building Engineering Pte Ltd**, Singapore

PowerZee: Sustainable Change Through User Engagement

- Innovative communication between building users and facility management to encourage sustainable behaviour
- Potential and challenges of changing behaviour towards sustainability
- Experimentation phase from 2015 and learnings for re-launch in March/April 2017

Regula Von Buren, Project Manager EcoCampus | Energy Research Institute, **Nanyang Technological University (ERI@N)**, Singapore

Passive Ducted Lighting with 3M Channel Lighting Solution

- Distributed lighting with 3M films technology
- Maintenance-free illuminated optic module
- Providing illumination for the hard to access and maintained area

Phang Kee Keong, Business Development Manager, **3M Singapore**, Singapore

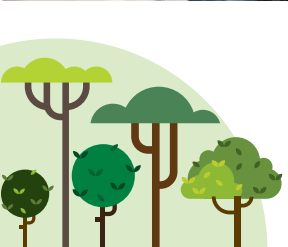
Improving Indoor Air Quality Through Bits & Bytes

- It should be in every organisation's interest to transform its indoor spaces into clean and healthy environments
- IoT (Internet of Things) can help empower both owners and occupants of buildings to Know, Improve, Manage, and thereby take control of indoor air quality issues
- Through the adoption of IoT-enabled indoor air quality solutions, indoor spaces should be virtually managed as digital spaces just like digital assets

Jason Tang, Vice President, Intelligent Air Solutions, **MANN+HUMMEL**, Singapore



11 SEPTEMBER 2017 • MONDAY (2.00PM – 6.00PM)



- 1 Ascendas Singbridge New Office
- 2 BCA SkyLab
- 3 Digital Singapore 1 PL
- 4 Galaxis
- 5 Mapletree Business City
- 6 Mediapolis@One North
- 7 National Gallery Singapore
- 8 Old Hill Street Police Station
- 9 CapitaGreen
- 10 Singapore Sustainability Academy
- 11 South Beach
- 12 Telin Data Centre

Itinerary

Registration starts at 1.30pm at Level 3, Registration counter. Buses will depart at 2.00PM

TOURS CONDUCTED IN ENGLISH

TOUR 1

- 7 National Gallery Singapore
- 8 Old Hill Street Police Station

TOUR 2

- 4 Galaxis
- 1 Ascendas Singbridge New Office

TOUR 3

- 6 Mediapolis@One North
- 10 Singapore Sustainability Academy

TOUR 4

- 3 Digital Singapore 1 PL
- 12 Telin Data Centre

TOUR 5

- 2 BCA SkyLab
- 11 South Beach

TOUR 6

- 5 Mapletree Business City
- 9 CapitaGreen

TOURS CONDUCTED IN MANDARIN

TOUR 1A

- 8 Old Hill Street Police Station
- 7 National Gallery Singapore

TOUR 5A

- 11 South Beach
- 6 Mediapolis@One North