

Joint Media Release

ADVANCING SUSTAINABLE FACILITY MANAGEMENT IN SINGAPORE

BCA Academy and the International Facility Management Association (IFMA) jointly-organise the first regional conference to promote the advancement of Facility Management Professionals in Singapore

1 More capabilities in facility management will be needed to manage the growing number of sustainable developments in Singapore. This increase is a result of the target set by the Inter-Ministerial Committee for Sustainable Development (IMCSD), to have 80% of the buildings in Singapore attain at least Green Mark Certified rating by 2030.

2 To build up greater industry capabilities in facility management, the Building and Construction Authority's (BCA) education arm, BCA Academy (BCAA) will be introducing more academic programmes and specialist certificate courses, and will also initiate more dialogue sessions to facilitate industry discourse.

3 BCA's latest initiative, the inaugural BCAA-IFMA Regional Conference 2010, will provide a platform for the exchange on pertinent issues and complexities of sustainable facility management in the tropical region. The conference is the first key joint event between BCA Academy and the International Facility Management Association (IFMA), through IFMA's Singapore Chapter. Themed "Sustainable Facility Management: A Business Advantage to Organisations", the conference saw international and local facility management experts come together to explore ways to address operational efficiency and to improve on sustainability within the built environment.

4 During the conference, BCA signed a Memorandum of Understanding (MOU) with IFMA to mark the collaboration in the promotion and advancement of facility management professions. Under the agreement, the two organisations will share resources, promote educational programmes and jointly create and implement new products and services to drive the local facility management industry forward. The BCAA-IFMA Regional Conference, which is targeted at industry stakeholders and South East Asian participants, will also be held annually.

5 Mr Tony Keane, President and CEO of IFMA made his first official trip since assuming office in January this year, to join Dr John Keung, CEO of BCA in the signing of the MOU and to give the keynote address at the conference.

6 Commenting on the collaboration, Dr John Keung said: "I'm confident that this new co-operation will help raise the profile and understanding of the local facility management industry. BCA will work with IFMA to develop more programmes to train our local professionals to operate and manage the increasing number of sustainable developments efficiently and cost-effectively."

7 During the 2-day conference, eight speakers will deliver papers focused on integrating facility management with core businesses, featuring best practices and addressing value-added facility management through innovation, technology and engineering. They will also share successful case studies to highlight the unique operational paradigm needed for sustainable facility management.

8 Mr Kenneth Foo, President of IFMA's Singapore Chapter said: "This conference will be a significant milestone in our pursuit for excellence in facilities management, and in promoting greater awareness of sustainability in our work capacity. It is a significant step forward for all facilities management professionals to share best practices, enhance service delivery, and provides a platform for more innovation in the industry."

9 In addition to the seminar, participants will also benefit from the facility management workshop where they can learn more about the life cycle costing of a facility and be introduced to a life cycle tool – Relifing® which is used to calculate the total economic life expectancy of facilities. The Conference will end with a Green Project Tour where participants will visit three sustainable developments – BCA's Zero Energy Building, Biopolis and 313@Somerset.

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About BCA

The Building and Construction Authority (BCA) of Singapore champions the development of an excellent built environment for Singapore.

BCA's mission is to shape a safe, high quality, sustainable and friendly built environment, as these are four key elements where BCA has a significant influence. In doing so, it aims to differentiate Singapore's built environment from those of other cities and contribute to a better quality of life for everyone in Singapore. Hence, its vision is to have "the best built environment for Singapore, our distinctive global city".

Together with its education and research arm, the BCA Academy of the Built Environment, BCA works closely with its industry partners to develop skills and expertise that help shape the best built environment for Singapore.

For more information, visit www.bca.gov.sg.

About BCA Academy

The BCA Academy of the Built Environment is the education and research arm of the Building and Construction Authority, Singapore. It is the leading institution in Singapore that provides a comprehensive range of training and education programmes tailored to the needs of the building and construction industry. In support of the national effort to develop Singapore into a green and sustainable city, the BCA Academy is pioneering several initiatives in training and research on renewable energy, green building design and technology, and sustainable development. To enable industry leaders and practitioners to learn from the experience and knowledge of leading experts in this field, the Academy collaborates with global leaders and institutions in running executive courses, academic programmes, seminars and workshops on sustainable development and green buildings.

About IFMA

International Facility Management Association (IFMA) is the world's largest and most widely recognised international association for professional facility managers, supporting more than 19,000 members in 78 countries. The association's members, represented in 123 chapters and 16 councils worldwide, manage more than 37 billion square feet of property and annually purchase more than US\$100 billion in products and services. Formed in 1980, IFMA certifies facility managers, conducts research, provides educational programs, recognises facility management certificate programs and produces World Workplace, the world's largest facility management conference and exposition. To join and follow IFMA's social media outlets online, visit the association's LinkedIn, Facebook, YouTube and Twitter pages. For more information, visit the IFMA press room or www.ifma.org.

About IFMA - Singapore Chapter

The IFMA Singapore Chapter was first conceptualised in 2000 and became an official society in Singapore in August 2001. The objective of the local chapter is to develop Facility Management as a profession, while advancing careers of individual members. The local chapter also runs regular educational programmes, best practice seminars and site visits. These events provide opportunities for members to learn and network with the industry.

For more information, visit www.ifmasingapore.org.sg

Speakers' Profiles**Tony Keane**

CAE

President and Chief Executive Officer
International Facility Management Association

Tony Keane, CAE, is president and CEO of the Houston-based International Facility Management Association. A certified association executive with significant experience in the nonprofit sector, Keane served for over four years as executive director of NACE International, the professional association for corrosion engineers, also headquartered in Houston. At NACE, Keane led strategic initiatives to grow the organisation from US\$10.9 million to US\$22 million in revenue, expanded membership from 15,000 to 21,500 and greatly increased the association's international presence. Prior to NACE, Keane served as Chief Operating Officer of the Optical Society of America in Washington, D.C. Before that, Keane served as interim Executive Director and Deputy Executive Director of the Construction Specifications Institute, also located in Alexandria, Va. Keane's past positions have provided him with a broad range of experience, from accounting to business management. In addition to NACE, OSA and CSI, he has served at the Institute of Industrial Engineers, The Software Factory, Trade Management, Keane Financial Services, NCR Corporation and Arthur Andersen & Co. He graduated Magna Cum Laude from the University of Cincinnati with a business degree in Accounting and Management. He is a member of the American Society of Association Executives and on the Board of Directors for the Council of Engineering and Scientific Society Executives.

**Alex K. Lam**

MTS, MRAIC, Hon.F.PFM, Fellow ICIAD

CEO – Greater China Real Estate Management Association
President – The OCB Network Inc. Toronto, Canada

Alex is president and founder of The OCB Network Inc., a Toronto-based global consultancy helping organisations to transform their business to meet the new operatives of harmonising design, technology and humans. His design and management career spans over 35 years as General Manager - Facilities with Bell Canada in Toronto, and Design Management Director with GL Consultants Ltd. of Hong Kong. Recently he has been appointed as CEO of the prestigious Greater China Real Estate Management Association (GCREM). He is a frequent speaker at international conferences because of his insightful observations and brilliant presentations on topics such as Facility Management, Creativity, Innovation and Leadership. He has lectured and presented in Sweden, France, Indonesia, Japan, Korea, India, Singapore, Australia, New Zealand, China, the Philippines, Trinidad & Tobago, Mauritius, Canada and the United States. He has taught graduate level classes on design, leadership, outsourcing and facility management at The University of Hong Kong, The Polytechnic University of Hong Kong, Baptist University of Hong Kong, Tsinghua University, Shanghai Jiao Tong University, and the Inner Mongolia Normal University. He developed and taught the course Operations & Maintenance at The University of Manitoba's Master programme in FM; and Facility Project Management course at the Ryerson University in Toronto.

**Tan Tian Chong**

Director, Technology Development Division
Building and Construction Authority, Singapore

Singapore BCA's mission is to shape a safe, high quality, sustainable and friendly built environment. The Technology Division initiates and implements policies and measures to ensure the quality and sustainability of the built environment. They include the Buildable Design legislation, the promotion of Sustainable Construction and the BCA Green Mark Scheme which certifies buildings on their level of environmental friendliness especially energy efficiency, water efficiency and quality of indoor environment. Tian Chong oversees the BCA 2nd Green Building Masterplan which aims to green 80% of Singapore's buildings by 2030. Measures under this plan include legislation of Green Mark standards, Incentives Schemes for private developers and building owners of Green Buildings, together with a S\$50 million R&D fund focusing on Green Building Technologies. His division runs the construction quality assessment system (CONQUAS) and the Quality Mark scheme to assess the workmanship quality of building projects in Singapore. Tian Chong is a member of the Singapore Standards Council and is the Deputy Chairman of the Building and Construction Standards Committee. He is the President of the Singapore Structural Steel Society (SSSS).

**Ng Chin San**

Managing Director (Industrial Facility Management)
United Premas Limited

As the Managing Director for Industrial Facility Management in UGL Premas, Chin San's primary responsibility is to drive profitability and promote UGL Premas' comprehensive range of asset management services to customers in the industrial sectors. He has provided numerous advisory services to help his clients in both public and private sectors manage their buildings and businesses in a sustainable and environmentally-friendly manner. He brings significant startup experience to the company and spearheaded the setting up of UGL Middle East operation back in year 2007. Chin San has close to 25 years of extensive and wide ranging experience in the facility management industry, having worked for multi-national corporations such as STATChipPAC, Ministor Peripherals, Archive Corporation, Cipher Data and Olivetti. Chin San graduated with an Industrial Engineering degree and Master of Science in Industrial Engineering from Purdue University, Indiana, USA, and is the present member of International Facility Management Association (IFMA) Singapore Chapter.

**Charles N. Claar**

CFM, CFMJ, P.E.
Director (Academic Affairs)
IFMA Foundation

Charles is Director of Academic Affairs at IFMA Foundation. He received his Bachelor of Science in Electrical Engineering and Master of Science in Architectural Engineering, both from The Pennsylvania State University. Since joining the IFMA in 1995, Charles had been involved in the development and delivery of all educational programmes to the facility management profession. Currently, as the Director of Academic Affairs of IFMA Foundation, he manages the accreditation and re-accreditation of the facility management academic programmes at higher education institutions globally and keeps current IFMA Foundation standards for accredited degree programmes. Prior to joining IFMA, he had worked in The Pennsylvania State University as Director, responsible for the development of energy conservation and utilisation programmes, practices

and research. He also wrote several research reports in the area of energy management, facilities engineering and management. Charles currently is the Life Senior Member of Institute of Electrical and Electronic Engineers(IEEE) , Professional in the International Facility Management Association and a certified Facility Manager.



Stephen Ballesty

CFM, MRICS, FAIQS, ICECA
Director, Head of Advisory
Rider Levett Bucknall, Australia

Stephen Ballesty is the Sydney based Director and Head of Advisory for global professional services group, Rider Levett Bucknall. He is an RICS Chartered FM Surveyor and was FMA Australia's first recipient of IFMA's Certified Facility Manager (CFM) designation. Stephen is a Past Chairman of the Facility Management Association of Australia, former Deputy Chairman of the Australian Government's FM Action Agenda and is currently a 2nd Vice Chairman of the Board of Trustees of the IFMA Foundation. In addition, Stephen was the co-author of the FM Action Agenda's "Managing the Built Environment series" (2005-08), PCA's "a Guide to Office Building Quality" (2006 and 2010), CRC-CI's award winning "FM as a business enabler" (2007) and RICS's "Technical Due Diligence Guide" (2009).



Pascal Milland

Vice President
Sodexo Facilities Management Services Pte Ltd

Pascal graduated in France with a Mechanical Engineering Degree and a MBA. He has 19 years working experience in Asia (China, Hong Kong, Thailand, Korea) in the construction industry (Bouygues Construction), the Oil & Gas Industry (Bouygues Offshore) and the Service Industry (Regional Chief Executive for South East Asia at Bureau Veritas). He is currently Vice President of Sodexo Facilities Management Services Pte Ltd, located in Singapore and aimed at providing strategic, commercial and technical support to Sodexo Facilities Management and Energy Management activities in Asia, Australia, India, Middle East and Africa.



Roy W.Y. Tan

CFM
Past President (2004 - 2006)
IFMA Singapore Chapter

Roy W.Y.Tan currently provides facilities management guidance for more than 3 million square feet spread across 90 locations in Asia Pacific housing some 10000 employees for ExxonMobil. He has over 25 years of experience in Facilities Management and has been exposed to Facilities Management practices for their corporate offices across the world. He has developed strategies to effect changes quickly such as real estate & lease options, outsourcing agreements, regional contracts for facilities management services, etc. Roy is also a Certified Fire Safety Manager and has a Masters in International Business. One of the IFMA Singapore Chapter's founding members, he was their Chapter President from 2004-2006. His contributions to the Singapore Chapter include collaboration with Ngee Ann Polytechnic on Singapore Office Occupancy Benchmarking and Energy Management Seminar, and numerous speaking engagements regionally on behalf of the Chapter.

Conference Outline

Seminar (22 April 2010)
Venue: Grand Hyatt Hotel

Time	Programme
8.30am – 9.00am	Registration
9.00am – 9.15am	Opening Address <i>by CEO, BCA</i>
9.15am – 9.30am	BCA-IFMA MOU signing
9.30am – 10.15am	Keynote Address Moving Forward - the FM Profession in a Carbon Constrained World <i>by Mr Tony Keane</i> <i>President & CEO, IFMA</i>
10.15am – 10.45am	Coffee Break
10.45am – 11.30am	Facility Management as Value Add to Core Business <i>by Mr Ng Chin San</i> <i>Managing Director(Industrial Facilities Management),</i> <i>United Premas Limited</i>
11.30am – 12.15pm	Greening Singapore's Built Environment <i>by Mr Tan Tian Chong</i> <i>Director(Technology Department), Building and Construction Authority</i>
12.15pm – 1.15pm	Lunch
1.15pm – 1.30pm	Address by President, International Facility Management Association, Singapore Chapter <i>Mr Kenneth Foo</i>
1.30pm – 2.15pm	Beyond Compliance: Repositioning Existing Assets To Promote Sustainability <i>by Mr. Stephen Ballesty</i> <i>Director, Head of Advisory, Rider Levett Bucknall LLP, Australia</i>
2.15pm – 3.00pm	Achieving Sustainable Facilities Through Energy Management <i>by Mr. Pascal Milland</i> <i>Vice President, Sodexo Facilities Management</i>
3.00pm – 3.30pm	Coffee Break
3.30pm – 4.15pm	Optimal Contracting as A Strategic Advantage <i>by Mr. Roy W.Y Tan</i> <i>Past President (2004 – 2006), IFMA Singapore Chapter</i>
4.15pm – 5.00pm	FM Beyond 2012 – An Apocalyptic Re-ordering of our FM Profession <i>by Mr. Alex k. Lam</i> <i>CEO, Greater China Real Estate Management Association</i> <i>President, The OCB Network INC, Toronto, Canada</i>

5.00pm – 5.30pm	Panel Discussion
5.30pm – 6.00pm	Closing Address FM Education Worldwide Update <i>by Mr. Charles Claar</i> <i>Director, Academic Affairs</i> <i>IFMA Foundation</i>
6.00pm	End

Workshop (23 April 2010)
Venue: BCA Academy

Time	Programme
8.30am – 9.00am	Registration
9.00am – 10.30am	Life Cycle Costing <i>by Mr. Stephen Ballesty</i> <i>Director, Head of Advisory, Rider Levett Bucknall, Australia</i>
10.30am – 11.00am	Coffee Break
11.00am – 11.45am	Hitting the (Green) Mark - A Sustainable Life-cost Approach to Design and Fitout <i>by Ms. Caroline Burns</i> <i>Regional Leader Asia, Geyer Environments Pte Ltd</i>
11.45am – 12.15pm	Green Project Tour 1 – BCA's Zero Energy Building
12.15pm – 1.15pm	Lunch
1.15pm	End

Green Projects Tours (23 April 2010)

Time	Programme
12.30pm – 1.00pm	BCA's Zero Energy Building
1.30pm – 3.00pm	Biopolis @ One-North
3.30pm – 5.00pm	313 @ Somerset
5.00pm	End

Sponsors

- 1) United Premas Limited
- 2) ISS Facility Services Pte Ltd
- 3) Siemens Pte Ltd
- 4) Sodexo Singapore Pte Ltd
- 5) SQL View Pte Ltd
- 6) Rider Levett Bucknall LLP
- 7) Euramec (Singapore) Pte Ltd

- 8) Raffles Quay Asset Management Pte Ltd
- 9) HongKong Land (S) Pte Ltd
- 10) Jardine Engineering (Singapore) Pte Ltd

Site Tour Hosts

- 1) United Premas Limited
- 2) JTC Corporation
- 3) Lend Lease Retail Pte Ltd

Green Projects

BCA's Zero-Energy Building



As BCA's flagship R&D project under its Green Building Masterplan, an existing building at the BCA Academy was retrofitted into a **Zero-Energy Building (ZEB)**. ZEB was officially opened on the 26th Oct 2009, it houses green classrooms and offices, and also function as a test-bedding centre for Green Building Technologies. This project is partly funded by the MND Research Fund for the Built Environment and EDB Clean Energy Research and Testbedding (Cert) Programme.

Biopolis



Biopolis is an international research and development centre located in Singapore for biomedical sciences. It is located in One-North in Buona Vista, near Dover, and is close to the National University of Singapore, the Singapore Polytechnic, the Institute of Technical Education, the National University Hospital, the Singapore Science Park, Ministry of Education, and Fusionopolis. This campus is dedicated to providing space for biomedical research and development activities and promoting peer review and collaboration among the private and public scientific community.

Features:

- *Energy Conservation*
- *Water Conservation*
- *Recycling Programme*
- *Other Environmentally-Friendly Features*

313@Somerset



313@ Somerset is a 10-storey retail development which embodies 3 basement retail levels, 5 above ground retail levels, and 2 levels roof-top car parking.

Features:

- *Green Lease and Tenancy Collaboration. Tenant's provisions are specified in the Green Lease- which include and control on energy usage and incentives to reduce energy consumption. Tenancy electronic calculator will be able to calculate the power and lighting requirements of the Tenants.*
- *First privately developed building in Singapore to use Sprinkler Tank for Thermal Energy Storage Bank. This will allow the building management to perform load shifting, load shaving and energy conservation.*
- *Co-generation plant produces heat from bio-diesel made from waste cooking oil to heat up hot water to supply the mall's requirement.*
- *Computational Fluid Dynamics (CFD) modelling to accurately measure the environmental impacts of the building.*