

# New Urban Habitat: Learning

*From Wikipedia to Coursera, from Boston and Cambridge to Singapore to the myriad nations around the globe, Knowledge has never been created en masse at such exponential scale and Information transmitted at such breakneck speed. Humanity is confronting a new challenge. Whilst knowledge must be learned at much faster pace than before, its relevance and validity last just as short. In today's competitive society and knowledge economy, 'Learning' new Knowledge and skills is tantamount to 'Earning' and it is a life-long pursuit. Learning and pursuing Knowledge is increasing in epic scale like never before and educational institutions are mushrooming locally and expanding globally in phenomenal scale in this age. It's a 'boom time' and Renaissance for educational development.*

*In a world of spatial collapse on the back of increasingly IT-dependent learning modes, how does architecture which is primarily rooted in the physical realm and time remains relevance and responds in the new paradigm of non-traditional pedagogy and learning mode. Transmission and repository of Knowledge in Information is no longer confined to classrooms and lecture theaters manifest in physical form of educational institutions. Learning could take place virtually everywhere these days on smartphone, phablet and laptop with internet access. We are in the midst of a Knowledge and Information Revolution where the walls of traditional learning institutions are slowly crumbling, Knowledge and Information becoming a common capital and humankind liberated into intelligent/smart society. Knowledge and Information is power and a competitive advantage of an individual, educational institution, corporation, society and nation.*

*As a sequel to SIA's Annual DC Seminar on New Urban Habitat Quadriology: Work, Live, Learn & Play, RCS' DC Sub-Committee is honoured to have four distinguished speakers from global architectural practices sharing how their newly designed academia taking shape in responding to non-linear learning processes, knowledge driven economy, prevailing planning guidelines as well as using the environment as the third teacher.*

## EVENT DETAILS

Date : 14 November 2014, Friday  
Time : 2.00pm - 5.30pm  
(Registration will start from 1.30pm)  
Venue : YMCA International House  
One Orchard Road, (S) 238824  
Tan Chin Tuan Function Room 1 (level 4)

(Nearby carparks:  
[http://apex.sia.org.sg/xshare/YMCA\\_Carpark\\_Nearby.pdf](http://apex.sia.org.sg/xshare/YMCA_Carpark_Nearby.pdf))

BOA-SIA CPD : 4 CPD points

Seminar fees : SIA Members (\$70.00),  
Non Members (\$140.00)  
(fees inclusive of GST)

Closing date : 07 November 2014

\*\* Registration for attendance of seminar shall be closed 30 mins after the seminar commences.

## PROGRAMME SCHEDULE

1.30-2.00pm	Registration
2.00-2.10pm	Introduction
2.10-2.50pm	Presentation by <b>Mr Jeremy Tan</b> "Singapore University of Design and Technology – Academics"
2.50-3.20pm	Presentation by <b>Mr Patrick Tan Yu-Jin</b> "Designing for K-12 Education"
3.20-3.40pm	Coffee Break
3.40-4.20pm	Presentation by <b>Mr Lee Wah Fong</b> "Designing School as the "3rd Teacher" in a child's learning development"
4.20-5.00pm	Presentation by <b>Mr Tay Eng Khoon</b> "From ITE(E) to ITE(C)"
5.00-5.30pm	Q&A

For more information, please contact SIA (**Ms Jacey Tay**):

Fax: (65) 6226 2663

Email: [cpd@sia.org.sg](mailto:cpd@sia.org.sg)

Organized by:



# New Urban Habitat: Learning



**Jeremy Tan**  
**Director, DP Architects**

Mr Jeremy Tan graduated with honours from the National University of Singapore in 1990. Upon graduation, he joined DP Architects and focused on the design development of educational projects for the Ministry of Education, Singapore.

In 2004, Mr Tan was made an Associate Director and concentrated on developing hospitality and tourism-related projects, and township developments in Singapore, China, India and the Middle East. He also led the architectural conservation and interior design of Hotel Fort Canning which won the 2011 URA Architectural Heritage Award.

Mr Tan was appointed Senior Associate Director in 2011, and became a Director in 2013. Since joining DP, he has undertaken a wide array of residential and commercial projects, and has been involved in the development of branding and its expression in projects. Notably, he has established an impressive portfolio of institutional projects which ranges from secondary schools to polytechnics and universities as well as administrative offices for Ministries

## Synopsis

The Singapore University of Technology and Design calls for a campus that offers opportunities to embrace discovery and creativity through non-linear relationships between students, faculty, professionals, and the spaces that they interact with. Designed in collaboration with Dutch architectural practice UNStudio, the proposed spatial configuration generates a seamless network of movements, both of people and ideas.

Motion-driven massing strategies result in simple yet impressionable building blocks that are shaped by the intersection of two major circulation corridors. Programs are linked both vertically and laterally through a series of open staircases, paths and collaborative pocket spaces allowing easy oscillation between modes of contemplation and interaction. Display and visibility are maximized, and the transparency thus ensued heightens one's sensibility and promotes the collective pursuit for innovation and design excellence.

Sunshades, rain-screens, louvers and glaziers moderate the micro-climate, relate to the human scale, and animate the facade. Conceived as a driver of technological advancement and economic growth, the campus becomes a converger and catalyst for research, creating cognitive capital by bringing people and ideas together.



**Patrick Tan Yu-Jin**  
**Vice President, CPG Consultants Pte Ltd**

Patrick has more than 14 years of experience in architectural practice and is currently Vice President of Studio A. He joined CPG in 1998 as lead designer of the Design Studio specializing in research, planning and design of schools. His current role as VP is in providing design direction and overseeing design development to ensure design intents are carried through.

Patrick has been involved in the design and development of some 30 schools in Singapore. His first project, North Vista Secondary School was awarded Honourable Mention in the 6<sup>th</sup> SIA Architectural Design Award 2001 and also attained a Citation Award in the USA Design Share Award 2001. His most notable project is Victoria School and Hostel, which has won him another Honourable Mention in the 7<sup>th</sup> SIA Architectural Design Award 2004. Patrick was also a key member of the design team that proposed the winning entry design competition for the upgrading master plan of Raffles Institution and the NUS High School of Maths.

## Synopsis

More and more educators are being influenced by the Reggio Emilia approach to pedagogy, with its mantra of "environment as the third teacher"—an approach that gives Architects a responsibility to pay even closer attention to the special needs of 21st Century schools. In addition to helping to support these pedagogical aims, Architects are also crafting new approaches to creating innovative spaces, design solutions and architectural features for high-performance K-12 schools.

This paper explores how planning and architectural design can respond to creating innovative learning environments that encourages student interaction, allowing flexibility and adaptability in learning spaces for school children in their formative years

# New Urban Habitat: Learning



**Lee Wah Fong**

**Senior Associate, P&T Consultants Pte Ltd**

Mr Lee Wah Fong, graduated from the School of Design and Environment of National University of Singapore in 2005 with a Master of Architecture, has worked on varied types of projects, ranging from educational and community buildings to residential and business parks development, located both in Singapore and overseas.

He is the Architect responsible for the design and execution of the United World College of South East Asia (East Campus) that has won numerous prestigious awards such as the International Property Award for Public Services Development in 2010 and inaugural BCA Universal Design Mark Platinum in 2013.

Mr Lee Wah Fong is currently a Senior Associate in the international architectural practice, P&T Consultants Pte Ltd, leading a team in designing and managing architectural works in Singapore and also overseas. Beside his professional works, Mr Lee Wah Fong is also a keen artist in Chinese Calligraphy and actively volunteers in community activities.

## Synopsis

In face with land scarcity in Singapore, we have to rethink the typological design of educational buildings that typically occupy substantial land areas. Nonetheless, together with the “teachers and books”, physical learning environment plays a pivotal role in the learning and cognitive development of the young minds as the “3rd Teacher”.

Thus, the seminar will discuss on how the East Campus of United World College of South East Asia was designed to meet the constraint of site without compromising the quality of learning spaces, such as the abundance of play areas, greeneries and daylight, which are essentials in creating an exemplary physical learning environment or the “3rd Teacher” of a child’s learning development.

The seminar will also look into the design feature of the school that integrates the physical environment into the daily learning experiences of the students, particularly in promoting good universal design and awareness in sustainability by means of passive building design and the use of technology.

For the exemplary design, United World College of South East Asia (East Campus) was awarded the prestigious BCA Green Mark Platinum award and the inaugural BCA Universal Design Mark Platinum.

**Tay Eng Khoon**

**Director, RSP Architects Planners & Engineers (Pte) Ltd**

Mr Tay Eng Khoon is a Director with RSP since 2011. He has more than 21 years of architectural project and design experience in various major projects in Singapore and overseas. Earlier projects include The Panorama(Shanghai), Sarawak International Medical Centre(Kuching), The Vista(HCMC), One Devonshire, EFG Bank Building, ITE College East, ITE Headquarters & ITE College Central, Singapore Polytechnic Design School and Devan Nair Institute of Employment and Employability. His diversified portfolio covers hospitality, residential, offices, retail, institutional, education, healthcare, sports & recreation and infrastructure projects. He graduated with a Bachelor of Science in Architecture and with Class 1 Honours in Bachelor of Architecture from the University of Newcastle, NSW Australia.

## Synopsis

ITE has formulated a new strategic blueprint in 2001, the ITE Breakthrough Plan, to meet the challenges posed by the new knowledge-based economy (KBE) and to realise its vision of developing ITE as a world-class Technical Education Institution for the KBE. The Plan is about a new vision for a New Economy. ITE Breakthrough seeks to redefine technical education and bring about new ways of teaching and learning; create a learning foundation for life in the students; and provide a new paradigm for staff, students and the community in ITE training.

The speaker will share about the architectural response to ITE’s changing needs in creating a more supportive and relevant learning environment for the users, and its aspiration in building the right public image and recognition as an established and excellent training institution - from ITE East to ITE Central.

## EVENT DETAIL

GST REG. NO.: M9-0001281-J  
G.N. No. 565 in Gazette No. 27

Seminar : New Urban Habitat: Learning  
 Date : 14 November 2014, Friday  
 Time : 2.00PM - 5.30PM (Registration will start from 1.30pm)  
 Venue : YMCA International House [One Orchard Road, S(238824)] - Tan Chin Tuan Function Room 1 (level 4)  
 (Nearby carparks: [http://apex.sia.org.sg/xshare/YMCA\\_Carpark\\_Nearby.pdf](http://apex.sia.org.sg/xshare/YMCA_Carpark_Nearby.pdf))  
 BOA-SIA CPD : 4 CPD points  
 Seminar fee : \$70.00 (SIA Members), \$140.00 (Non Members) – fees inclusive of GST  
 Closing date : 07 November 2014

Please fax / email the completed registration form to Ms Jacey Tay:

Fax: (65) 6226 2663

Email: [cpd@sia.org.sg](mailto:cpd@sia.org.sg)

And follow up with cheque / cash / online payment to Singapore Institute of Architects.

Please tick your mode of payment:

☐ By Cheque

Bank/Chq # : \_\_\_\_\_ Amt S\$: \_\_\_\_\_

Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

☐ By Cash

You can drop by SIA office to make cash payment between 9.30am – 5.30pm on weekdays.

Mail to SIA address:

Singapore Institute of Architects

Eunos Technolink, Blk 3 Kaki Bukit Road 1, #02-01, (S)415935

Please indicate your name, company/institution and course date/title on the back of the cheque.

## Participant's Detail

Organization: \_\_\_\_\_ Contact Person (if any): \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Receipt Mailing Address: \_\_\_\_\_

\_\_\_\_\_ S ( )

## Full Name of Participant

(as per NRIC/FIN, pls underline surname)

NRIC/FIN #

Email

Amt

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	HP #:	<input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]	
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5			
	HP #:	<input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]	

\*\*Please take note that all the above fields are mandatory. Incomplete form will not be process.

Total:

Cheque payment for this activity should not be combined with payment for other SIA events/courses.

Fees paid are non-refundable under all circumstances. Replacement of participant will be allowed only if written notification is made at least 3 days before the event.

Where a Non-Member replaces a Member (must be from the same Org.) the fee difference will have to be made good to SIA prior to the event.

Registration for attendance of seminar shall be closed 30 mins after the seminar commences.

Registration will be on a First-Come-First-Served basis and will be accepted upon receipt of registration form and payment to SIA. Registration by fax will only be confirmed upon receipt of payment.

Registration Confirmation No.:-

