


ANNEX D – Recipients of the iBuildSG Young Leaders' Advocate award

| Young Leader | |
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|  | <p>Ms. Ong Yan Xiang, 36 years old</p> <ul style="list-style-type: none">• Senior Principal Engineer• CPG Consultants Pte Ltd• Nominated by CPG Consultants in 2016 to join Built Environment Young Leaders Programme |
| <p><u>Career progression / Leadership opportunities in the BE Sector</u></p> <p>Yan Xiang graduated as an Engineer (Electrical and Electronics Engineering) in 2006, with a view that it is cool to be an Engineer, and this impression has never changed. Over the years, she realised engineering work trains her to think systematically and view problems objectively. This has made her more determined to pursue a long-term career as an Engineer.</p> <p>She was nominated by her employer, CPG consultants, to join the YLP in 2016. Since then, she has been actively participating in the programme activities as well as working with BCA to outreach to IHL students and to promote the role of female engineers in the BE sector.</p> <p>Yan Xiang shared that the YLP has given her many opportunities to learn the latest technologies through site visits, BE insights through dialogue sessions with political officer holders, and helped in widening her network with industry partners and professionals.</p> <p>Yan Xiang was involved in the contract administration and electrical works for the Tahir Foundation Building, a structure that employs green technologies that helps it save enough energy to power the equivalent of 845 HDB 5-room flats for a year. Located at the NUS Yong Loo Lin School of Medicine, this building, and one of its laboratories, have been awarded the Platinum rating under BCA Green Mark for Non-Residential Buildings and BCA Green Mark for Laboratories schemes respectively.</p> <p>As an engineer and green enthusiast, she hopes to continue contributing to the electrical engineering profession and design green buildings and infrastructure not just locally, but overseas as well. She hopes to be able to inspire younger engineers to stay in the BE sector and students to take on green engineering. To her, job satisfaction comes from looking at projects that she has accomplished successfully and knowing that the building occupants are reaping the benefits of the green building. She feels that the BE sector can be a promising sector for young talents to join.</p> <p>Yan Xiang feels that BE sector can be a promising sector for young talents to join. She was glad to be able to build consensus to the younger generation by co-delivering with BCA on outreach to IHL students through career talks and mentorship sessions where she shares her passion and experience to inspire and motivate the students to take up their course in BE sector. She also partnered with BCA to promote the role of female engineers in the BE sector during the International Engineering Week.</p> | |

Young Leader



Ar. Tan Szue Hann, 36 years old

- Managing Director
- Miniwiz Singapore
- Nominated by Singapore Institute of Architects in 2016 to join Built Environment Young Leaders Programme

Career progression / Leadership opportunities in the BE Sector

Szue Hann has always been passionate about his work for the Built Environment and is enthusiastic about sharing his ideas and knowledge with the younger generation. Szue Hann is a Registered Architect with the Board of Architects, Singapore and a Board Member of the Singapore Green Building Council (SGBC). He is also Council Member of the Singapore Institute of Architects (SIA), as Chairman of Sustainability.

Szue Hann was nominated by SIA to join the YLP in 2016. Thanks to his active involvement with TACs, he was also invited to be a member of the Green Mark Advisory Committee and the BuildSG Tripartite Committee. It was there that he partnered BCA to build consensus and co-deliver on the importance of the BE sector and Green buildings from an Architectural point of view, through engaging with younger students on platforms such as Career Talks and as a judge for student competitions, where he also shared professional advice with competition teams. He has been a speaker and moderator at several local and international conferences, including the international Green Building Conference.

Szue Hann received the Singapore's 2015-16 Young Green Architect of the year, awarded by BCA-SGBC, in recognition of his strong belief in Green and passion for his work. In 2017, the BCA SkyLab project, of which Szue Hann was a part of, received the Minister's Award (Ministry of National Development).

Szue Hann was the lead architect and Qualified Person (QP) for the construction and design of the BCA SkyLab, a state-of-the-art rotatable test bed for energy-efficient technologies in façade, air-conditioning, lightings and controls. Sitting atop a 7-storey building with a 360-degree rotatable platform, it conducts tests under "real-world" conditions at any desired building orientation. The BCA SkyLab serves as a key national infrastructure for the built environment industry and research community to co-innovate green building technologies.

To continue engaging the younger generation to develop interest in the BE sector, Szue Hann is an Adjunct Assistant Professor for Architecture & Sustainable Design at the SUTD where he shares his beliefs and experiences with the students and he hopes to inspire them to continue practising what they have learned. According to Szue Hann, Architecture can no longer be about bricks and mortar, steel and glass. There is a need to reduce wasteful consumption patterns by thinking about how to adopt principles of the circular economy amidst our existing habits.

Young Leader



Mr. Gavin Chan, 34 years old

- Principal Geotechnical Engineer
- CPG Consultants Pte Ltd
- Nominated by CPG Consultants in 2016 to join the Built Environment Young Leaders Programme

Career progression / Leadership opportunities in the BE Sector

Gavin, who had aspired to be an engineer since young, took up Civil Engineering in Nanyang Technological University. His employer, CPG Consultants, nominated him to join the Built Environment Young Leaders Programme (YLP) in 2016. Since then, Gavin actively participated in programme activities such as site visits to acquire new knowledge and learn about the adoption of new technologies applied in the BE sector. He was one of the Young Leaders who joined in the ITM focus group discussions on Design for Manufacturing and Assembly (DfMA) to share his views. To equip himself to embrace the transformation of the BE sector, Gavin took up the Specialist Diploma in Design for Manufacturing and Assembly at the BCA Academy.

Gavin has made many friends from the government agencies, contractors and other consultants firms through the programme and the contacts have helped form a support network for him to navigate the industry. The familiar faces to him make the BE sector feel homelier and more welcoming.

To Gavin, the YLP has given him a broad understanding of the macro-economic forces behind our ITM and the intricacies of how the whole BE comes together to create value for the nation. He has enjoyed and benefitted much from the programme. He also worked with BCA on two policy studies and found it meaningful to be at the forefront of an evolution that will bring about better jobs for Singaporeans. He hopes to be able to bring change at both the individual level, and the community level via policy changes that will inculcate more innovative practices and better adoption of technology for the BE sector.

To nurture and inspire the younger generation to pursue a career in the industry upon graduation, Gavin worked with BCA to co-deliver the inaugural Built Environment Formation Programme as a Facilitator, Content Developer and Speaker to engage participants from Institutes of Higher Learning (IHLs).

To Gavin, the BE sector is on the cusp of an exciting digital revolution. The sector has achieved much with innovative solutions and changing mindsets – one example being ground-freezing techniques. In 10 years' time, he hopes to be able to change the perception of the BE sector from Dirty, Dangerous and Demanding to Desirable, Digital and Daring.

Young Leader



Ms. Ivie Sim, 28 years old

- Assistant Development Manager
- Lendlease Retail Pte Ltd
- Nominated by Lendlease in 2016 to join Built Environment Young Leaders Programme

Career progression / Leadership opportunities in the BE Sector

Ivie developed a budding interest in sustainable buildings back in her third year of engineering studies while attending a course on “Strategies for Sustainable Architecture”. She remembers vividly being intrigued by the fact that there is no “one size fits all” or “one concept fits all” approach to achieving sustainability in the built environment. She also learned how the local community embraces strategies if they are tailored to the local context and consider the needs of the people who will use and occupy those spaces.

It was during her student exchange programme in Finland, where she realised that while sweeping landscapes and nature are very much a part of the everyday life of people living in larger countries, there is no similar luxury of land in Singapore. This had made Ivie appreciate Singapore’s efforts in planning sustainably and greening our city so that we can optimise the liveability and convenience of a city and yet enjoy the benefits of nature.

Through the YLP, Ivie had the opportunity to connect with and learn from other passionate young leaders in the industry, and participate in site visits to exciting projects that she would not normally get to see in her day job. One example would be the site visit to the construction site of the new Thomson East Coast Line Marina Bay Station. In addition, being a Young Leader also gave her the opportunity to share her views and provide inputs to key industry initiatives such as the development of the Construction Industry Transformation Map.

Ivie was also the member of the Built Environment SkillsFuture Tripartite (BEST) Taskforce where she played a part in transforming the tertiary education curriculum and continued education and training. She was happy for the opportunity, as she personally believes in the value of investing and ensuring quality education to nurture the future generation in order for Singapore to continue to grow and succeed as a nation.