

Prof. Albert Chan's Research Team

Transferring Knowledge for Society's Benefits



Our heartfelt thanks go to Prof. Albert Chan's research team for their passion for casting light on construction workers' health and safety and seeking practical solutions to these challenges. Again, a special milestone for this incredible team comes as its licensed technology of an early heat stress warning system contributed to the achievement of SmartWorks of SmarTone Mobile Communications Limited. Also, it is evident that bringing together academics and the industry has multiplied the success in benefiting society.

Incorporated with the early heat stress warning system, SmartWorks has recently won the 1st Prize in the Category of Construction Safety of the Construction Innovation Award 2019 of the Construction Industry Council (CIC). Incorporating the 'Heat Stress Artificial Intelligence Engine' developed by Prof. Chan's research team, SmartWorks integrates technologies with five key smart services, namely Smart Helmet, SmartHealth Station, Environment Station, Dump Truck Management and Danger Alert & Access Control to enhance construction workers' health, safety and operational efficiency.

Organised by CIC on a biennial basis since 2015, the Construction Innovation Award aims to spearhead the development, promotion and implementation of new construction materials, methods, technologies for enhancing the competitiveness of the construction industry. The same research team won the Local Grand Prize of the Inaugural Construction Innovation Award in 2015 for their innovative development of anti-heat stress uniforms, which have been adopted as a standard work wear for construction workers in all government funded project since 2017.

Have a read of Prof. Chan's profile: <http://www.bre.polyu.edu.hk/staff/bsachan/index.htm>

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