



恒基兆業地產代理有限公司  
HENDERSON REAL ESTATE AGENCY LIMITED

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17 APR 2018

Department of Computing  
The Hong Kong Polytechnic University  
Hung Hom, Kowloon

Dear Prof. Qin Lu, Interim Head of the Department of Computing

I am writing to acknowledge that our recently completed new office development project “18 King Wah Road” has been adopting an app-based personalized thermal comfort platform. The new platform, namely Smart Office App, is the pioneer in building industry in Hong Kong. The research and development of this platform adopted the model which was first presented in a paper “*An Occupant-participatory Approach for Thermal Comfort Enhancement and Energy Conservation in Buildings*”, published in the fifth International Conference on Future Energy Systems (ACM e-Energy), Cambridge, UK, 2014, co-authored by Hang-Yat Lam, Yi Yuan and Dan Wang from the Department of Computing, The Hong Kong Polytechnic University.

The chief contribution of this paper was to develop a personalized thermal comfort model using participatory feedback and sensory data collected through existing IoT devices. As compared to the previous averaged based models, this new model can provide fine-grained thermal comfort levels of the occupants. Office buildings in Hong Kong commonly applies a uniform temperature setting due to the lack of personalized comfort information of the occupants. The settings are usually conservative and thus incur large energy wastes. This model cleared up this difficulty and set new paradigm of indoor thermal comfort control in grade A buildings in Hong Kong.

Our project development is located at King Wah Road, North Point, Hong Kong. The development has been awarded with the Asia Pacific Intelligent Green Building Alliance (APIGBA) Excellent Intelligent Green Building Awards 2016 in both Design Category (Hong Kong) and Regional Award in Design Category, the Merit Award of the Hong Kong Green Building Award 2014, as well as green building accreditations in Hong Kong, China and the US. The developer of the development is the project company of the Henderson Land Development Company Limited (恒基兆業地產有限公司), a top tier property developer in Hong Kong. The details of Henderson Land can refer to our annual reports at [www.hld.com](http://www.hld.com).

If you need any further information, please feel free contacting me 2908 8655 or [edward.cw.chan@hld.com](mailto:edward.cw.chan@hld.com).

Yours truly,

Edward Chan  
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Henderson Land Development Co. Ltd