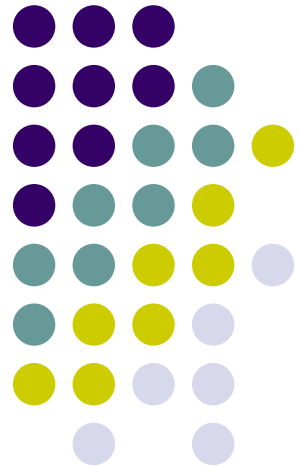
Building Energy and Environmental Technology Research Unit

T.T. Chow
School of Energy & Environment /
Division of Building Science & Technology
City University of Hong Kong



BEETRU (“BE TRUE”)

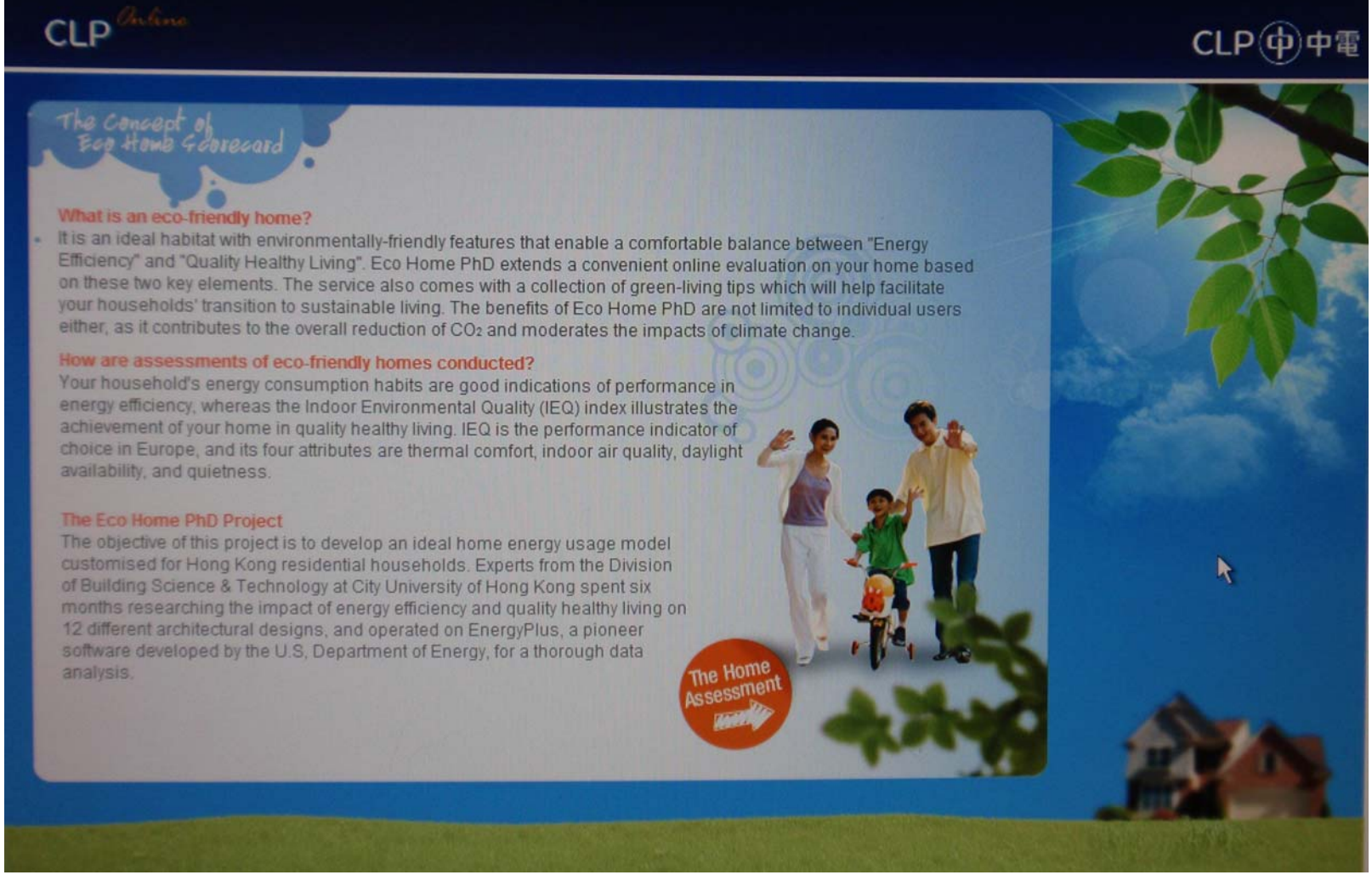
established in December 2006 as a response to the EMSD initiative of establishing their internet website on energy efficient technologies.

Areas of Interest

- Environmental control: HVAC&R technology
- Low-energy building design and sustainability
- Building energy use and management
- Human health and comfort science
- Building simulation and optimization techniques

Eco Home Assessment

https://www.clponline.com.hk/myHome/GreenLivingIdeas/EcoHome/Scorecard/Pages/PhD.aspx



Members

Academic staff	Supporting/ Research staff	Research students
Dr. T.T. Chow Dr. Apple L.S. Chan Dr. Square K.F. Fong Dr. G.S. Huang Dr. John Z. Lin Dr. Norman C.F. Tse	Mr. John Y.C. Chan Mr. Alan M.L. Fong Dr. C.K. Lee Dr. Peng Li Dr. Lin Tian	Shao-ting Dong Chun-ying Li Hui Long Yau-kit Mok Jone Tin-yan Poon Ka-kui Tse

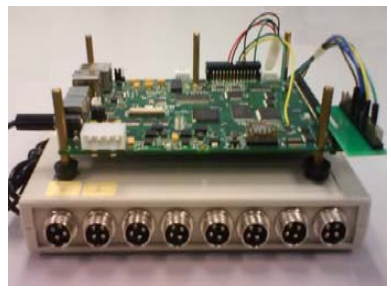
Collaborating Partners

- Prof. J.A. CLARKE
  University of Strathclyde, UK
- Prof. B. GIVONI
  University of California (Los Angeles), USA
- Prof. Jie JI
  University of Science & Technology of China
- Prof. Loi-lei LAI
  City University London, UK
- Prof. Qiu-wang WANG
  Xi'an Jiatong University, China
- Prof. Guang-qiang ZHANG
  Hunan University, China

Building and System Energy Analysis

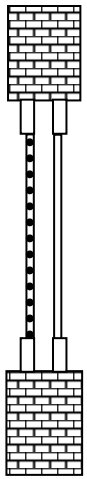
- Typical weather year
- Split-type air-conditioner heat dissipation
- District cooling system
- System optimization studies
- Building and plant modeling
- Electrical efficiency and power quality

http://www6.cityu.edu.hk/see/BEET/BEET.htm



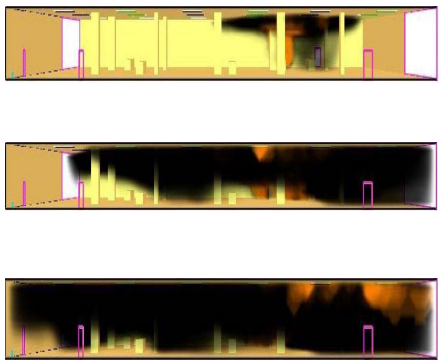
Clean Energy Utilization

- Solar glazing
- Solar utilization
- Hybrid photovoltaic/thermal technology
- Solar thermal system



Building Ventilation and Airflow

- Studies on airflow and smoke dispersion
- Innovative ventilation for sustainability
- Hospital ventilation
- Public-transport-interchange ventilation



Contact

Dr. T.T. Chow

Director, BEETRU

School of Energy & Environment / Division of Building Science & Technology

City University of Hong Kong

Tat Chee Avenue, Kowloon

http://www6.cityu.edu.hk/see/BEET/BEET.htm

Email: bsttchow@cityu.edu.hk

Phone: 27887622

Thank you!