

CSDE Newsletter

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ABOUT CSDE

The "Centre for Sustainable Design and Environment (CSDE)" was established in 2017 under the Faculty of Design and Environment (FDE), which is financially supported by the Research Grants Council (UGC/IDS25/16). The mission is to promote research and development, knowledge exchange, and education in the areas of sustainable design and environment.

WHAT'S NEW

"Sustainable Upcycled Furniture" Exhibition + Seminar



Running from 3 to 31 October 2019, THEi product Design team presented a series of upcycled wood furniture to showcase the regenerative design of our teachers and students at the THEi Learning Commons. The exhibits included furniture made from bamboo, used wood and chipboards from construction waste. The exhibition demonstrated how to reduce, reuse and recycle obsolete material via creative ways. The exhibits have brought up questions and inspired visitors to reflect on the ecological sustainability of urban development and waste policy.

A complimentary seminar was held at the Lecture Theatre 3 in THEi Chaiwan Campus on 23 October 2019. Going through the waste treatment policies and disposal statistics of Hong Kong, participants in the interactive session engaged in discussions about the use of construction waste - mainly wood and bamboo for sustainable upcycling.

IDS ACTIVITIES

Mission Hills x THEi "整啲嘢-Do D Thing" Exhibition



Centre for Sustainable Design and Environment hosted an exhibition on 3 – 16 October, showcasing the cultural products designed by students of THEi product design via a training workshop collaborated with Mission Hills China. The training workshop provided a good opportunity for our youths to learn extensively from a team of multi-disciplinary MH artisans.

Students from Advertising, Environmental Engineering and Management programmes, have also participated in the intensive training workshop. Our young talents made use of reclaimed glass bottles and other recyclable materials to develop cultural products to meet the market demands and co-created a brand new concept - "整啲野 Do D Thing".



Presentation at the International Conference on Sustainable Development 2019, Boston



Dr KEE Yee Chun, Tris, CSDE Design and Environment Education Unit Manager and the THEi Product Design Programme Leader presented a paper on "Analyzing the Effectiveness of Architectural Conservation and the Impact on Sustainable Built Environment" at the International Conference on Sustainable Development 2019, Boston, USA on 10 & 11 December 2019. The conference was organized by International Centre for

Interdisciplinary Research in Law (ICIRL), Centre for Research in Social Justice and Policy (CRSJP) at Laurentian University, Ontario International Development Agency (OIDA) in Canada and Department of Earth & Environmental Studies in Montclair State University.

Her presentation was well received and generated many discussions in the panel. The conference topic synergized with THEi research topic on sustainability and many scholars were interested in the Hong Kong context. The exchange of knowledge will be used as the inspiration for other research topics on sustainable development.



SIDL training workshop in late October



Sustainable Innovation & Development Lab (SIDL) arranged a series of training workshops on 17 and 25 October 2019. Principles and applications of SIDL's equipment, include 3D printer, laser cutting system, digital cutting system, and 3D scanner were introduced to students. Students were encouraged to utilize the equipment in their research projects. Interested students are welcomed to contact the SIDL for additional information.

CSDE Latest Research Output

CSDE is committed to producing quality and insightful research on different aspects of the dynamic world of sustainable design and environment in general and the urban planning, urban greening, horticulture and landscape management studies in particular.

Dr Zhang Hao, CSDE Sustainable Living and Environment Lab Research Manager and THEi Horticulture and Landscape Management Programme Leader demonstrates the productive leadership with his research team and published two articles in 2019 on the globally renowned and high citation journals namely the *Landscape and Urban Planning* and the *Urban Forestry & Urban Greening* with due gratitude and acknowledgement to the support from the University Grants Committee (HK), Institutional Development Scheme, IDS25/16.

- Lai, P.Y, Jim, C.Y., Tang G.D., Hong, W.J., Zhang, H. (2019). Spatial differentiation of heritage trees in the rapidly-urbanizing city of Shenzhen, China. *Landscape and Urban Planning*, 181, 148-156.
- Lee, Louis S.H., Jim, C.Y., Zhang, H. (2019). Tree density and diversity in Hong Kong's public housing estates: From provision injustice to socio-ecological inclusiveness. *Urban Forestry & Urban Greening*, 46, 126468.

With the substantial support from the University Grants Committee (HK), Institutional Development Scheme, IDS25/16, Dr Kee Yee Chun, Tris, CSDE Design and Environment Education Unit Manager and the THEi Product Design Programme Leader has also published an article in 2019 on Sustainable Development, which

is a wide interdisciplinary publication seeks to further debate and discuss sustainable development with a local, national or global focus.

- Kee, T., & Chau, K. W. (2019). Economic sustainability of heritage conservation in Hong Kong: The impact of heritage buildings on adjacent property prices. *Sustainable Development*. Advance online publication. doi: 10.1002/sd.2004

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CSDE Website

<https://thei.edu.hk/faculties-and-department/design-and-environment/facilities/centre-for-sustainable-design-and-environment/>