

SUPHICHAYA SUPPIPAT, Ph.D.

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CURRICULUM VITAE

Date of Birth: February 25, 1983

Place of Birth: Bangkok

Citizenship: Thai

EDUCATION

- 02/2019 – 08/2022 **Ph.D. program in Corporate Sustainability Management and Life Cycle Assessment,**
National Taipei University of Technology, Taipei, Taiwan
- 4-year program at the Institute of Environmental Engineering and Management
 - Research Topic: “Integrating Design Strategies and Tools for Sustainable Production and Consumption of ICT and Electronics Products: An Implementation for Academia and Industry” – Advisor: Prof. Allen H. Hu
- 08/2008 - 06/2010 **Master of Science in Industrial Ecology,**
Norwegian University of Science and Technology, Trondheim, Norway
- 2-year multidisciplinary program at the Faculty of Engineering Science and Technology
 - Master’s Thesis: “Designing the Bathroom System for Future Scenario” – Advisors: Prof. Casper Boks & Assoc. Prof. Kristin Støren Wigum
- 05/2001 - 04/2006 **Bachelor of Industrial Design (2nd Class Honours),**
Chulalongkorn University, Bangkok, Thailand
- 5-year program at the Department of Industrial Design, Faculty of Architecture
 - Bachelor’s Thesis: “Rubberwood Living Room Furniture Design for Japanese Market” - Advisors: Assoc. Prof. Nuannoy Boonwong & Asst. Prof. Kulthida Teachavorasinskun
 - Cumulative G.P.A.: 3.34

PROFESSIONAL EXPERIENCE

- 01/2018 - Present **Full-time lecturer,** Chulalongkorn University, Bangkok, Thailand
- Responsible for Sustainable Design, Material and Technology II, and Innovative Design at the Department of Industrial Design, Faculty of Architecture
 - Advisor for Senior Project (BID) and Master Thesis (MID)
 - Student Affairs Committee
- 03/2016 - 09/2018 **Researcher,** Built Environment for Health Research Unit, Faculty of Architecture, Kasetsart University, Bangkok, Thailand
- Design research: Participatory Design & Universal Design
 - Support in graphic design and all media: posters, books, website, social media
- 10/2015 - 12/2017 **Full-time lecturer,** Kasetsart University, Bangkok, Thailand
- Industrial Design curriculum development
 - Responsible for Scrap Design, Selected Topics in Architecture: Kitchen Design, Interior Architectural Design, Action Design, and Studio in Design at the Department of Architecture, Faculty of Architecture
 - Assistant Dean of Quality Assurance and Graduate

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- 01/2013 - 05/2017 **Guest Lecturer**, Chulalongkorn University, Bangkok, Thailand
- Responsible for Sustainable Design (Elective Course) at the Department of Industrial Design, Faculty of Architecture
- 10/2012 - 07/2015 **Designer**, Arkitektura Co.,Ltd., Bangkok, Thailand
- Kitchen layout design for Poggenpohl and Neptune Home
 - Visual presentation: 2D drawing, 3D modeling and 3D rendering
 - Graphic design for all print media
 - Visual merchandising for retail shops
- 11/2010 - 10/2012 **Kitchen Designer**, Manhattan Furniture (Thailand) Co. Ltd., Bangkok, Thailand
- Kitchen layout design
 - Price quotation for furniture and appliances
- 07/2006 - 08/2007 **Product Designer**, Mae Fah Luang Foundation, Doi Tung Development Project, Bangkok - Chiang Rai, Thailand
- Home accessories design: hand-tufted carpet & ceramic tableware
 - Packaging and souvenir design: mulberry paper & stationery

FELLOWSHIPS/AWARDS

- 2021 **2021 SSPIM Best Paper Awards:**
Paper title – “A Comparative LCA of Traditional and Tablet Types of Toothpaste: From Cradle-to-customer”
In the 2021 Symposium on Sustainable Products and Industrial Management, Tainan, Taiwan.
(http://sspim2021.mp.ncku.edu.tw/?page_id=35)
- 2020 **Finalist:**
Project title – “7Disasters”
Board game designed by Pornchai Paengkhumyat under the supervision of Suphichaya Suppipat
In the 2020 Taiwan International Student Design Competition in Product Design Category, Taipei, Taiwan.
- 2020 SSPIM Best Paper Awards:**
Paper title – “Waste Valorization Alternatives of Sugar Industry: A Case Study of Cristalla Sugar Mill of Thailand”
In the 2020 Symposium on Sustainable Products and Industrial Management, Taipei, Taiwan.
(<http://sspim2020.ntu.edu.tw/2020/03/21/awards/>)
- 2019 **EcoDesign 2019 Best Paper Awards:**
Paper title - “Gamifying Sustainable Design to Enhance Environmental Consciousness of Industrial Design Students”
In the 11th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, Yokohama, Japan.
(http://ecodenet.com/ed2019/best_paper.html)
- 2015 **Japan - ASEAN Cooperation (JAIF):**
Regional Workshop on the Promotion of a Non - Handicapping Environment for Persons with Disabilities
Attend 7 days training in Bangkok, Thailand.

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JOURNAL PUBLICATIONS

- **Suppipat, S.**, & Hu, A. H. (2022). Achieving Sustainable Industrial Ecosystems by Design: A Study of the ICT and Electronics Industry in Taiwan. *Journal of Cleaner Production*, 369(2022), 133393. <https://doi.org/10.1016/j.jclepro.2022.133393>
- **Suppipat, S.**, & Hu, A. H. (2022). A scoping review of design for circularity in the electrical and electronics industry. *Resources, Conservation & Recycling Advances*, 200064. <https://doi.org/10.1016/j.rcradv.2022.200064>
- **Suppipat, S.**, Hu, A. H., Trinh, L. T. K., Kuo, C. H., & Huang, L. H. (2022). A comparative life cycle assessment of toothpaste cream versus toothpaste tablets. *Sustainable Production and Consumption*, 29, 357–369. <https://doi.org/10.1016/j.spc.2021.10.021>
- **Suppipat, S.**, Teachavorasinskun, K., & Hu, A. H. (2021). Challenges of Applying Simplified LCA Tools in Sustainable Design Pedagogy. *Sustainability*, 13(4), 2406. <https://doi.org/10.3390/su13042406>
- Krasae-in, A., **Suppipat, S.**, & Rodjanathum, N. (2016). The Conformity of Thailand's Industrial Design Education to the Industry. *Technical Education Journal King Mongkut's University of Technology North Bangkok*, 7(2), 301-309. [In Thai]

BOOKS

- Suppipat, S., Chotiratanapinun, T., Teachavorasinskun, K., & Hu, A. H., (2023). *Design for Enhancing Eco-efficiency of Energy-related Products: The Integration of Simplified LCA Tools in Industrial Design Education*. Springer Nature, Cham. <https://doi.org/10.1007/978-3-031-15060-9>

BOOK CHAPTERS

- Chotiratanapinun T., & **Suppipat S.** (2022) Games and Gamification in Sustainability Learning: A Peer-based Approach for Thai Design Education. In: Bernardes O., Amorim V., Moreira A.C. (eds) Handbook of Research on the Influence and Effectiveness of Gamification in Education. IGI Global, Pennsylvania. <https://doi.org/10.4018/978-1-6684-4287-6.ch013>
- **Suppipat S.**, Hu A.H., Chotiratanapinun T. (2021) Gamifying Sustainable Design to Enhance Environmental Consciousness of Industrial Design Students. In: Kishita Y., Matsumoto M., Inoue M., Fukushige S. (eds) EcoDesign and Sustainability II. Sustainable Production, Life Cycle Engineering and Management. Springer, Singapore. https://doi.org/10.1007/978-981-15-6775-9_19
- **Suppipat S.**, Cheng WM., Wang SM. (2020) Contextual Design of Intergenerational Innovative Service for Aging in Place. In: Gao Q., Zhou J. (eds) Human Aspects of IT for the Aged Population. Healthy and Active Aging. HCII 2020. Lecture Notes in Computer Science, vol 12208. Springer, Cham. https://doi.org/10.1007/978-3-030-50249-2_38

CONFERENCE PROCEEDINGS

- **Suppipat, S.**, Hu, A.H., Trinh, L.T.K., Kuo, C.H., Huang, L.H., (2021, December). *Sustainable Consumption and Production: A Comparative LCA Study of Toothpaste Products*. Online presented at the 12th International Symposium on Environmentally Conscious Design and Inverse Manufacturing (EcoDesign2021). Nara, Japan.
- **Suppipat, S.**, Trinh, L.T.K., Hu, A.H., (2021, March). *A Comparative LCA of Traditional and Tablet Types of Toothpaste: From Cradle-to-customer*. Oral

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presented at the 2021 Symposium on Sustainable Products and Industrial Management, Tainan, Taiwan.

- **Suppipat, S.**, and Hu, A.H., (2020, September). *Design for Circularity: A Review of Tools and Implementations in Electronics-related Products*. Online presented at the Electronics Goes Green 2020+, Berlin, Germany.
- **Suppipat, S.**, Cheng, W.M., Wang, S.M., (2020, July). *Contextual Design of Intergenerational Innovative Service for Aging in Place*. Online presented at the 22nd International Conference on Human-computer Interaction, Copenhagen, Denmark.
- Hu, A.H., Chaiyanil, S., **Suppipat, S.**, (2020, March). *Waste Valorization Alternatives of Sugar Industry: A Case Study of Cristalla Sugar Mill of Thailand*. Oral presented at the 2020 Symposium on Sustainable Products and Industrial Management, Taipei, Taiwan.
- **Suppipat, S.**, Hu, A. H., & Chotiratanapinun, T. (2019, November). *Gamifying Sustainable Design to Enhance Environmental Consciousness of Industrial Design Students*. Oral presented at the 11th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, Yokohama, Japan.
- **Suppipat, S.** (2018, October). *Input Life Cycle Thinking to Raise Environmental Awareness and Change Customer Buying Decision on Eco-product by Applying EcoDesign Tools through Classroom Experiments*. Poster presented at the 7th International Conference on Green and Sustainable Innovation, Bangkok, Thailand.
- **Suppipat, S.** (2016, November). *The Application of LCA-based Tools for Sustainable Product Design Activities: The Good, the Difficult, and the Possible*. Oral presented at the 6th International Conference on Green and Sustainable Innovation, Bangkok, Thailand.