

Sheng-Hung Lee, Ph.D

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Cambridge, MA 02142

Sheng-Hung Lee is a designer, engineer, and educator. He is inspired by multiple domains of knowledge and different perspectives, and he thrives on creating new value for clients on multi-disciplinary teams. He is trained as an industrial designer and electrical engineer, and his approach to problem solving is influenced by his passion for how design and technology impact and can be integrated into society. Lee has been focusing on product-experience designs, organizational designs and education that create meaningful systemic impacts.

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| Education | 2022—2025 | Massachusetts Institute of Technology, USA Ph.D., Human Behavior and Service Design* <i>*self-designed, interdisciplinary doctoral degree administered by MIT Department of Mechanical Engineering</i> — Thesis: Design for Longevity: Service and System Innovation — Ph.D. Committees: Maria C. Yang, Joseph F. Coughlin, Eric Klopfer, Olivier de Weck, and John Ochsendorf — Industry Mentors: Gianfranco Zaccai and Michael Peng — MIT MechE Departmental Award (2025 Wunsch Foundation Silent Hoist and Crane Award) |
| | 2019—2022 | Massachusetts Institute of Technology, USA MS, Integrated Design & Management (GPA: 5.0 / 5) MS, Mechanical Engineering (GPA: 5.0 / 5) — Thesis: Human-Centered System Design for an Aging Population: An Experimental Study of Footwear Design [pdf] — Advisors: Massachusetts Institute of Technology: Prof. Olivier de Weck, Dr. Joseph F. Coughlin, and Prof. Maria Yang Carnegie Mellon University: Prof. Jonathan Chapman — MIT Planet D (Official Club for Human-Centered Systems Design) President and Co-Founder |
| | 2006—2013 | National Cheng Kung University, R.O.C. (Taiwan) BS, Industrial Design (GPA: 4.00 / 4) BS, Electrical Engineering (GPA: 3.95 / 4) — NCKU President Scholarship — NCKU Outstanding Student Award for Academic — NCKU Distinguished Achievement Award in Industrial Design and Electrical Engineering — China Technical Consultants, Inc. (CTCI) Science and Technology Creativity Scholarship |
| Research Experience | 2019—Present | MIT AgeLab, Cambridge, USA [link] Ph.D. Researcher and Designer — Project Smart Home for the Aging Population — MIT AgeLab Website Design Team |
| | 2022—2022 | MIT Governance Lab (MIT GOV/LAB) , Cambridge, USA [link] Curriculum Designer — Governance Innovation |
| | 2020—Present | MIT Ideation Lab, Cambridge, USA [link] Ph.D. Researcher and Designer |
| | 2019—2021 | MIT xPRO, Cambridge, USA Research Assistant and Curriculum Experience Designer — Co-designed MIT xPRO Systems Thinking course and toolkit with Prof. Edward F. Crawley |
| | 2021—2022 | MIT Office of Sustainability, Cambridge, USA [link] Safe and Sustainable Lab Fellow and Designer — Research Paper published by World Design Organization (WDO) Research and Education Forum (2022) — Poster Paper published by Digital Research in the Humanities and Arts (DRHA) (2022) — Research Paper published by IDC and Industrial Designers Society of America (IDSA) (2021) — Conducted ethnographic research working with Dr. Julie Newman, Director of MITOS (2021) — Worked on the research topic: Safe and Sustainable Lab: Disposable Material Flow (2021) |
| | 2023—Present | Moholy-Nagy University of Art and Design (MOME) Social Design Hub, Budapest, Hungary Visiting Research Fellow — Worked on the research topic: Design for Longevity x FRUSKA from September 1 st , 2023 to March 31 st , 2024 — Collaborated with MIT AgeLab and MOME Innovation Center Social Design Hub |

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| Teaching Experience | 2020—Present | MIT Course 2.00 Introduction to Design , Cambridge, USA Team Lab Instructor — Fall Term 2022-2023 Overall Rating 7.0 / 7 (<i>Rating Scale: 1=Very Poor, 7=Excellent</i>) — Fall Term 2020-2021 Overall Rating 6.0 / 7 (<i>Rating Scale: 1=Very Poor, 7=Excellent</i>) |
| | 2020—Present | MIT Course 15.783 / 2.739 Product Design and Development , Cambridge, USA Guest Reviewer — Spring Term 2022-2023, 2021-2022, 2020-2021 — Fall Term 2019-2020 |
| | 2020—Present | MIT Course 11.547 / SCM 287 Global Aging & The Built Environment , Cambridge, USA Co-Instructor and Teaching Assistant — Fall Term 2022-2023 Overall Rating 6.2 / 7 (<i>Rating Scale: 1=Very Poor, 7=Excellent</i>) — Fall Term 2021-2022 Overall Rating 6.7 / 7 (<i>Rating Scale: 1=Very Poor, 7=Excellent</i>) |
| | 2020 | MIT Course 11.S941 / 11.S195 Global Aging: Planning Cities for a 100-Year Society , Cambridge, USA Co-Instructor and Teaching Assistant — Fall Term 2020-2021 |
| | 2024—2025 | Rhode Island School of Design (RISD) Makeathon Competition , Providence, USA — Jury, March 15, 2025 — Mentor, March 23, 2024 |
| | 2015—2019 | Fudan University , P.O.C. (China) Adjunct Associate Professor — Outstanding Adjunct Professor Award, Shanghai Institute of Visual Arts, Fudan University (2018, 2017) — Teaching: Graduation Project, Sustainable Design, and Design Method |
| | 2023—Present | Shih Chien University , Taiwan Adjunct Associate Professor — Teach “Service Design” in the Asia Summer Program from July 2 nd to July 10 th , 2024 — Teach “Service Design” in the Asia Summer Program from June 17 th to July 4 th , 2023 |
| | 2023—Present | Holon Institute of Technology (HIT) , Israel Visiting Lecturer — Teach “Design for Longevity: Project Your Future Self” in International Design Week “The Elephant in the Room” from October 14 th to October 20 th , 2023 — The course collaboration was invited by Dr. Yael Eylat Van Essen, Faculty of Design, HIT |
| | 2023—Present | Macromedia University , Munich, Germany Visiting Lecturer — Teach “Life-Centered Design” in Design Management Program from October 1 st , 2023 to January 31 st , 2024 — The course collaboration was invited by Oliver Szasz, Professor of Digital Media and Communication Design and Head of Study Programme M.A. Design Management, Macromedia University |
| | 2022—2022 | Telkom University , Indonesia Visiting Professor (2022 Summer) — School of Creative Industries appoints as a Visiting Professor at Global Learning Week (GLOW) |
| | 2017—2019 | DaTao Master Academy , P.O.C. (China) Adjunct Associate Professor — Teaching: Ergonomic (I), (II), and (III) |
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| Service | 2023—2024 | Design Research Society (DRS) Conference , Boston, USA Paper Track Co-Chair — Design for Longevity (D4L): Project Your Future Self through Service and Technology |
| | 2023—2024 | diid (disegno industriale industrial design) Journal , Università di Bologna, Bologna, Italy Guest Editors with <i>Andreas Sicklinger</i> — Design for Longevity (D4L) and Life-Centered Design [link pdf] — No.84 ISSN (online): 2785-2245 ISSN: 1594-8528 |
| | 2023—2024 | Base Diseño e Innovación Journal , Universidad del Desarrollo, Chile Guest Editors with <i>Mariluz Soto Hormazabal, Melanie Sarantou, and Paula Melo Signerez.</i> — Design and longevity, new perspectives, and challenges [link pdf] — Vol. 9, Num. 11, 2024 |
| | 2020—Present | The Design Journal , Publisher Routledge Journal Reviewer [link pdf] — ISSN (online): 1756-3062 ISSN: 1460-6925 |

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| | 2020—Present | World Design Organization (WDO) <ul style="list-style-type: none"> — WDO Education Committee (2023) — WDO Board Director Candidate (2022) — Research Paper published by WDO Research and Education Forum (2022) — WDO World Industrial Design Day Speaker (2022, 2021) — WDO Young Designers Circle Ambassador (2020) |
| | 2012—Present | Industrial Designers Society of America (IDSA) <ul style="list-style-type: none"> — IDSA At-Large Director (Awards) Board of Director (2025, 2023) — IDSA Student Merit Awards Jury at Wentworth Institute of Technology (2025) — IDSA At-Large Director (Awards) Leadership Role Candidate (2022, 2020) — IDSA Boston Chair (2022) — IDSA Award Committee (2022, 2021) — IDSA Boston Vice Chair (2020) — International Design Excellence Awards (IDEA) Jury (2018, 2017) — IDSA International Design Conference (IDC) Paper Presenter (2022, 2021, 2020) — IDSA Gianninoto Graduate Scholarship Winner (2019) |
| Work Experience | 2015—2019 | IDEO Industrial Designer and Electrical Engineer — Clients: NIKE, Procter & Gamble, Tsinghua University MBA program, Vichy, China Resources Land Limited, Fotile |
| | 2014—2015 | Continuum Industrial Designer and Design Strategist — Clients: Rubbermaid, Bank of China, UCAR Inc |
| | 2019—2019 | EMMA Creative Center Pforzheim , Germany Designers in Residence (Industrial Design) — Project: Small Things with Big Heart |
| Design Award Jury | 2025 | GRANDS PRIX DU DESIGN Jury — Product Design |
| | 2024 | Ukrainian Design Award Jury — Product Design |
| | 2023 | International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics |
| | 2022 | Australian Good Design Awards — Next Gen Category |
| | 2022 | International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics |
| | 2022 | Golden Pin Design Award Jury — Concept Design |
| | 2021 | Australian Good Design Awards — Next Gen Category |
| | 2021 | Rethinking The Future (RTF) Design Awards |
| | 2020 | Spark Design Award Jury — Design Concept and Student Category |
| | 2020 | International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics |
| | 2020 | Ukrainian Design Award Jury — Product Design |
| | 2019 | LITE-ON Award Jury — Design Category |
| | 2019 | Ukrainian Design Award Jury — Industrial Design |
| | 2019 | International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics |
| | 2018 | International Design Excellence Awards (IDEA) Jury — Industrial Design |
| | 2018 | International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics |
| | 2018 | Spark Design Award Jury — Product Design and Design Concept |
| | 2018 | Ukrainian Design Award Jury — Environmental Design |
| | 2018 | Red Star Design Award Jury — Product and Service Design |
| | 2018 | Golden Pin Design Award Jury — Product Design |
| | 2017 | Taihu Design Award Jury — Product and Industrial Design |
| | 2017 | International Design Excellence Awards (IDEA) Jury - Industrial Design |
| | 2017 | A' Design Award & Competition Jury — Product and Industrial Design |
| | 2017 | Ukrainian Design Award Jury — Industrial Design |
| | 2016 | Spark Design Award Jury — Maker and Design Concept |
| | 2016 | International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics |
| | 2016 | Golden Pin Design Award Consultant — Design Concept |
| Books | 2025 | Design for Longevity: People, Product, Process, and Platform Sheng-Hung Lee <i>Published by Springer Science + Business Media in 2025</i> |
| | 2025 | Systemic Service Design Edited by Mari Suoheimo, Peter Jones, Sheng-Hung Lee , Birger Sevaldson <i>Published by Routledge. ISBN: 9781032817194. https://doi.org/10.4324/9781003501039 [book link pdf]</i> |

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| | 2019 | Design Consciousness — Small Things with Big Heart Sheng-Hung Lee <i>Sponsored by EMMA Creative Center Pforzheim Designers in Residence Scholarship and Program</i> [website] |
| | 2017 | IDSA Blueprint in Asia Sheng-Hung Lee <i>Sponsored by Industrial Designers Society of America (IDSA)</i> [website] |
| Books Translation | 2023 | Dieter Rams: The Complete Works Authors: Klaus Klemp and Dieter Rams Translator: Sheng-Hung Lee <i>EN version published by Phaidon Press</i> [book ISBN: 9781838661533] <i>CH version published by Faces Publications</i> [webpage book pdf ISBN: 9786263153691] |
| Book Chapter | 2025 | Boundary Objects for Longevity Services: The Intersection of Tactility, Tech, and Trust Sheng-Hung Lee In: <i>Boundary spanning design for better services in digital times</i> , Publisher: Edward Elgar (accepted) |
| Articles | 2025 | Boundary Objects: Reimagining Design for Longevity and Gender Equality Sheng-Hung Lee In: <i>Gender Perspectives for a Renewed Design Culture</i> . Springer (accepted) |
| | 2025 | Inclusive Financial Planning Service Design Considerations for an Aging Population Sheng-Hung Lee , Alexa Balmuth, and Joseph F. Coughlin In: <i>Design in Action</i> , Publisher: INTELLECT (accepted) |
| | 2025 | Social Structures Relevant to Longevity Service Systems Sheng-Hung Lee , Joseph F. Coughlin, Eric Klopfer, Olivier L. de Weck, John Ochsendorf, and Sofie Hodara In: <i>Systemic Service Design. Chapter 9. (pp. 164-189)</i> . Routledge. ISBN: 9781032817194. https://doi.org/10.4324/9781003501039-11 [chapter article pdf] |
| | 2025 | Design for Longevity: An Empathetic Service Design Framework Sheng-Hung Lee In: <i>Empathic Service Design: Challenges in design, analysis and services</i> . Bloomsbury. ISBN: 9781350476394 (accepted) |
| | 2025 | Innovations in Theory and Practice of Systemic Service Design Mari Suoheimo, Peter Jones, Sheng-Hung Lee , and Birger Sevaldson In: <i>Systemic Service Design. Chapter 1. (pp. 1-13)</i> . Routledge. ISBN: 9781032817194. https://doi.org/10.4324/9781003501039-1 [chapter article pdf] |
| | 2025 | Blending Boundaries: A Thorough Exploration of Systems-oriented Design and Service Design Integration Mari Suoheimo, Michalina Fidos, Marja Kuronen, and Sheng-Hung Lee In: <i>Systemic Service Design. Chapter 2. (pp. 17-40)</i> . Routledge. ISBN: 9781032817194. https://doi.org/10.4324/9781003501039-3 [chapter article pdf] |
| | 2023 | Macro-Trend Study Under Service System: Preliminary Research in Service Innovation and Emerging Technology Sheng-Hung Lee , Maria C. Yang, Olivier L. de Weck, Chaiwoo Lee, Joseph F. Coughlin, and Eric Klopfer In: <i>Service Design for Emerging Technologies Product Development. Chapter 4. Springer Series in Design and Innovation, vol 29</i> . Springer, Cham. https://doi.org/10.1007/978-3-031-29306-1_4 [chapter article pdf] |
| | 2022 | A Preliminary Discussion of Human-Centered System Design from Theory to Application: Use Smart Footwear Design for an Aging Population as an Example Sheng-Hung Lee In: <i>IxDC Growth</i> , Publisher: Tsinghua University Press, ISBN: 9787302611639 |
| Journal Paper | 2025 | From Design Education to Education Design Sheng-Hung Lee In: <i>INNOVATION, Winter 2024</i> [journal pdf] |
| | 2025 | Designing Longevity Services: A Mixed-Method Approach Using System Dynamics Sheng-Hung Lee and Olivier de Weck In: <i>Design Studies</i> (submitted) |
| | 2025 | Boundary Objects in Longevity Planning Service: Exploring Personas and Dualities Through Constructivist Grounded Theory Sheng-Hung Lee , Maria Yang, Eric Klopfer, and Joseph F. Coughlin In: <i>Design Science</i> (submitted) |

- 2025 **Integrating Behavioral Insights and Demographic Analysis in Persona Creation for Designing Longevity Planning Services**
Sheng-Hung Lee, Eric Klopfer, Olivier de Weck, John Ochsendorf, Joseph F. Coughlin, and Maria Yang
 In: *Journal of Service Research* (submitted)
- 2025 **Prototyping Longevity Services: Tech-driven or Human-assisted Service?**
Sheng-Hung Lee, Joseph F. Coughlin, and Maria Yang
 In: *The Design Journal*, January 15, 2025 (1-18) [[journal](#) | [pdf](#)]
 DOI: <https://doi.org/10.1080/14606925.2024.2442196>
- 2025 **Innovative Longevity Design through Boundary Object Integration**
Sheng-Hung Lee, Joseph F. Coughlin, Maria Yang, and Alexa Balmuth
 In: *Base Diseño e Innovación. Special Issue "Design and longevity, new perspectives, and challenges"* (accepted)
- 2024 **Touch: The Allure of Tangible Design**
Sheng-Hung Lee
 In: *INNOVATION*, Spring 2024 [[journal](#) | [pdf](#)]
- 2024 **Transformation by Human-Centered System Design**
Sheng-Hung Lee
 In: *Design Management Institute (DMI): Review Issue, Vol. 35, No. 1* [[journal](#) | [pdf](#) | [website pdf](#)]
 DOI: <https://doi.org/10.1111/drev.12390>
- 2024 **Design for Longevity: People, Process, and Platform**
Sheng-Hung Lee and Andreas Sicklinger
 In: *diid disegno industriale industrial design*, No. 82, 2024 [[journal](#) | [pdf](#)]
 DOI: <https://doi.org/10.30682/diid8224a>
- 2024 **Prototyping future visions of vulnerable youth through design for longevity and gender equity**
 Janka Csernák and **Sheng-Hung Lee**
 In: *diid disegno industriale industrial design*, No. 82, 2024 [[journal](#) | [pdf](#)]
 DOI: <https://doi.org/10.30682/diid8224d>
- 2024 **A Taxonomy of Home Automation: Expert Perspectives on the Future of Smarter Homes**
 Shabnam FakhrHosseini, Chaiwoo Lee, **Sheng-Hung Lee**, and Joseph Coughlin
 In: *Information Systems Frontiers*, July 8, 2024 [[journal](#) | [pdf](#)]
 DOI: <https://doi.org/10.1007/s10796-024-10496-9>
- 2023 **The Transformation of Design Platform Under System Thinking**
Sheng-Hung Lee, Olivier L. de Weck, Maria C. Yang, and Joseph F. Coughlin
 In: *International Journal of Performance Arts and Digital Media*, October 24, 2023 [[journal](#) | [pdf](#)]
 DOI: <https://doi.org/10.1080/14794713.2023.2271820>
- 2022 **Retail Banking and Financial Service Under System Analysis**
Sheng-Hung Lee, Joseph F. Coughlin, and Eric Klopfer
 In: *Arte, entre paréntesis*, Vol. 2, No. 15 [[journal](#) | [pdf](#)]
 DOI: <https://doi.org/10.36797/aep.v2i15.107>
- 2021 **Revisiting My Self-Quarantine Experience through a Data-driven Approach**
Sheng-Hung Lee
 In: *Design Management Institute (DMI): Review Issue, Vol. 32, No. 1* [[journal](#) | [pdf](#) | [website pdf](#)]
 DOI: <https://doi.org/10.1111/drev.12253>
- Articles in Refereed
Conference
Proceedings
- 2025 **Design for Longevity: A Relational and Systemic Perspective**
Sheng-Hung Lee
 In: *11th Nordic Design Research Society (NORDES) Conference, Oslo Metropolitan University, Oslo Norway, August 6-8, 2025* (accepted)
- 2024 **Shaping a Longevity Service Through Visual, Tangible, Cultural, and Social Artifacts**
Sheng-Hung Lee
 In: *Rau, P.L.P. (eds) Cross-Cultural Design. HCII 2024. Lecture Notes in Computer Science, vol 14699. Springer, Cham.* [[conf](#) | [pdf](#)]
 DOI: https://doi.org/10.1007/978-3-031-60898-8_4
- 2024 **Design Attributes for Tech- or Touch-based Longevity Services: AI-Empowered Analysis**
Sheng-Hung Lee, Joseph F. Coughlin, Maria Yang, and Sofie Hodara
 In: *Design Management Institute (DMI)—2024 Academic Design Management Conference: Design & Innovation at a Crossroad, Delft, Netherlands, 2024* [[conf](#) | [pdf](#)]
- 2024 **Design for Longevity Literature Review in Product Lifecycle, Financial Planning, and Gerontology**

- Sheng-Hung Lee**, Joseph F. Coughlin, Sofie Hodara, Maria Yang, Olivier L. de Weck, Eric Klopfer, and John Ochsendorf
In: *Design Research Society (DRS)—Resistance, Recovery, Reflection, Reimagination, USA, 2024* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.21606/drs.2024.363>
- 2024 **Enhancing Financial Education for Longevity through Service Design**
Sheng-Hung Lee, Joseph F. Coughlin, Sofie Hodara, and Maria Yang
In: *Design Research Society (DRS)—Resistance, Recovery, Reflection, Reimagination, USA, 2024* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.21606/drs.2024.364>
- 2023 **Longevity Planning Service Across Immersive Technologies**
Sheng-Hung Lee, Sofie Hodara, Maria Yang, and Joseph F. Coughlin
In: *Leaving Nothing Behind Conference at University of Bologna, Italy, 2023*
- 2023 **Designing Healthcare Services for Longevity**
Sheng-Hung Lee, Sofie Hodara, Joseph F. Coughlin, Maria Yang, Yu-Chen Chen, Yan-Chun Lin, Shyh-Nan Liou
In: *Cumulus Beijing 2023, Central Academy of Fine Arts, Beijing, China, 2023* [[conf](#) | [pdf](#)]
- 2023 **Designing Longevity Planning Blocks through Experimental Participatory Observation and Interviews**
Sheng-Hung Lee, Joseph F. Coughlin, Alexa Balmuth, Chaiwoo Lee, Lauren Cerino, Maria Yang, Eric Klopfer, Olivier L. de Weck, and John Ochsendorf
In: *International Association of Societies of Design Research (IASDR) Congress 2023 — Life-changing Design, Milan, Italy, 2023* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.21606/iasdr.2023.172>
- 2023 **Applying Human-Centered System Design to the Development of a Tool for Service Innovation**
Sheng-Hung Lee, Taylor Patskanick, Alexa Balmuth, Joseph F. Coughlin
In: *Cumulus Antwerp 2023—Connectivity and Creativity in times of Conflict, Antwerp, Belgium, 2023* [[conf](#) | [pdf](#)]
- 2023 **Co-create Financial Planning Services for an Aging Population: Designers' Perspectives**
Sheng-Hung Lee, Maria C. Yang, Olivier L. de Weck, Chaiwoo Lee, Joseph F. Coughlin, Eric Klopfer, and John Ochsendorf
In: *ICED23 and The Design Society—24th International Conference on Engineering Design: Design in a complex world, Bordeaux, France, 2023* [[conf](#) | [pdf](#)]
DOI:
- 2023 **Service Design in Action: Transformation, Consideration, and System Thinking**
Sheng-Hung Lee, Maria C. Yang, Olivier L. de Weck, Chaiwoo Lee, Joseph F. Coughlin, Eric Klopfer, and John Ochsendorf
In: *ICED23 and The Design Society—24th International Conference on Engineering Design: Design in a complex world, Bordeaux, France, 2023* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.1017/pds.2023.95>
- 2023 **Design Artifacts and Gaming Transform Financial Planning Services**
Sheng-Hung Lee, Joseph F. Coughlin, Alexa Balmuth, and Maria C. Yang
In: *Industrial Designers Society of America (IDSA)—International Design Conference (IDC), New York, USA, 2023* [[conf](#) | [pdf](#)]
- 2023 **From Brainstorming to Bodystorming: Co-creation Workshop Analysis Using Applied Video Ethnography**
Sheng-Hung Lee, Joseph F. Coughlin, Chaiwoo Lee, and Maria C. Yang
In: *Industrial Designers Society of America (IDSA)—International Design Conference (IDC), New York, USA, 2023* [[conf](#) | [pdf](#)]
- 2023 **Making the Web Accessible to the Aging Population**
Manasi Atul Vaidya and **Sheng-Hung Lee**
In: *2023 CHI Conference on Human Factors in Computing Systems, Hamburg, Germany, 2023* [[conf](#) | [pdf](#)]
- 2023 **An Iterative Approach to User-Centered Design of Smart Home Systems**
Lauren C. Cerino, Chaiwoo Lee, **Sheng-Hung Lee**, Shabnam Fakhr-Hosseini, Heesuk Son, Shen Shen, and Joseph F. Coughlin
In: *International Conference on Human-Computer Interaction, Copenhagen, Denmark, 2023* [[conf](#) | [pdf](#)]
DOI: https://doi.org/10.1007/978-3-031-34917-1_1
- 2023 **Acceptance of Future Home Technologies and Services: Comparing Different Tasks, Scenarios and User Characteristics**
Shabnam FakhrHosseini, Chaiwoo Lee, **Sheng-Hung Lee**, Lauren Cerino, and Joseph Coughlin
In: *The 67th Human Factors and Ergonomics Society 2023, Washington, DC, USA, 2023* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.1177/21695067231192230>
- 2022 **Footwear Design Consideration for an Aging Population from User Experience, Service, and Technology Aspects**
Sheng-Hung Lee, Chaiwoo Lee, Maria C. Yang, and Joseph F. Coughlin

- In: *The 66th Human Factors and Ergonomics Society 2022, Atlanta, Georgia, USA, 2022* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.1177/1071181322661207>
- 2022 **Re-envision a Hybrid Participatory Design Workshop: People, Pedagogy, and Process—An Experimental Study of Footwear Paper Prototype**
Sheng-Hung Lee, Ziyuan Zhu, Chaiwoo Lee, Maria C. Yang, and Joseph F. Coughlin
In: *Industrial Designers Society of America (IDSA)—International Design Conference (IDC), Seattle, USA, 2022* [[conf](#) | [pdf](#)]
- 2022 **The Transformation of Design Platform Under System Thinking**
Sheng-Hung Lee, Maria C. Yang, Olivier L. de Weck, and Joseph F. Coughlin
In: *Digital Research in the Humanities and Arts (DRHA) 2022—Digital Sustainability: From Resilience to Transformation, Kingston School of Art, London, UK, 2022* [[conf](#) | [video](#)]
DOI: <https://doi.org/10.1080/14794713.2023.2271820>
- 2022 **Reshape Safe and Sustainable Makerspaces and Laboratories on Campus: An Experimental Study on Material Flow through Human-centered System Design**
Sheng-Hung Lee
In: *Commons in Design by Swiss National Science Foundation and FHNW Academy of Art and Design Basel, Basel, Switzerland, 2022* [[conf](#) | [pdf](#)]
- 2022 **Evolving Ethics in Design Research: Reshaping Design Considerations for Product Designer**
Sheng-Hung Lee, Olivier L. de Weck, and Joseph F. Coughlin
In: *Design Management Institute (DMI)—2022 Academic Design Management Conference: Design Management as a Strategic Asset, Toronto, Canada, 2022* [[conf](#) | [pdf](#)]
- 2022 **Human-centered System Design for Global Supply Chain**
Sheng-Hung Lee, Olivier L. de Weck, and Joseph F. Coughlin
In: *Design Management Institute (DMI)—2022 Academic Design Management Conference: Design Management as a Strategic Asset, Toronto, Canada, 2022* [[conf](#) | [pdf](#)]
- 2022 **Exploring People’s Behavior Through Tracking Assistive Technologies—Ultra-wideband Wireless Technology and Applications**
Sheng-Hung Lee, Maria C. Yang, Joseph F. Coughlin, and Alejandro Carcel Lopez
In: *Royal College of Art (RCA) Helen Hamlyn Centre for Design — INCLUDE 2022: Unheard Voices, London, UK, 2022* [[conf](#) | [video](#) | [abstract](#) | [poster](#)]
- 2022 **Computational Design Experiment for Older Adult’s Footwear—Field-Driven Approach and Product Design Applications**
Sheng-Hung Lee, Olivier L. de Weck, and Joseph F. Coughlin
In: *Royal College of Art (RCA) Helen Hamlyn Centre for Design — INCLUDE 2022: Unheard Voices, London, UK, 2022* [[conf](#) | [video](#) | [abstract](#) | [poster](#)]
- 2022 **Envisioning Safe and Sustainable Labs with Human-centered System Design: An Experimental Study on Disposable Material Flow**
Sheng-Hung Lee
In: *Design for the Unimagined — 2022 World Design Organization (WDO) Research and Education Forum, Montreal, Quebec, Canada, 2022* [[conf](#) | [pdf](#)]
- 2022 **Reshaping the Smart Home Research and Development in the Pandemic Era: Considerations around Scalable and Easy-to-Install Design**
Heesuk Son, Chaiwoo Lee, Shabnam FakhrHosseini, **Sheng-Hung Lee**, Joseph F. Coughlin, John Rudnik
In: *Proceedings of the ACM on Human-Computer Interaction, Volume 6, Issue CSCWI* [[conf](#) | [pdf](#)]
- 2021 **Carbon Neutrality in Makerspaces: Circular Makerspace Evaluation Toolkit (CMET)**
Sheng-Hung Lee
In: *Industrial Designers Society of America (IDSA)—International Design Conference (IDC), virtual, 2021* [[conf](#) | [pdf](#)]
- 2021 **An Architecting Approach to Transformations within the Design Consulting Industry: IDEO Case Study**
Sheng-Hung Lee, Wei-Ching Lin, John Rudnik, and Donna H. Rhodes
In: *ICED21 and The Design Society — 23rd International Conference on Engineering Design: Design In Motion, Gothenburg, Sweden, 2021* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.1017/pds.2021.41>
- 2021 **The Inspiration Design Toolkit: A Human-Centered Design Tool for a System Engineering Course**
Sheng-Hung Lee, Maria C. Yang, Beatriz Carramolino, and John Rudnik
In: *The ASME 2021 Virtual International Design Engineering Technical Conferences & Computers and Information in Engineering Conference — 18th International Conference on Design Education (DEC), virtual, 2021* [[conf](#) | [pdf](#)]
DOI: <https://doi.org/10.1115/DETC2021-66577>

- 2021 **An Expert Interview Study of IoT Wearable Technologies for an Aging Population from Product, Data, and Society Dimensions**
Sheng-Hung Lee, Ziyuan Zhu, Chaiwoo Lee, Fabio Duarte, and Joseph F. Coughlin
 In: *Human-Computer Interaction (HCI) International 2021, virtual, 2021* [[conf](#) | [pdf](#)]
 DOI: https://doi.org/10.1007/978-3-030-78111-8_29
- 2021 **Applying a System Engineering Approach to the Early Stage of Product Design**
Sheng-Hung Lee, Olivier L. de Weck, and Joseph F. Coughlin
 In: *The 8th Bandung Creative Movement Conference, virtual, 2021* [[conf](#) | [pdf](#)]
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Sheng-Hung Lee, John Rudnik, Lin Lin, Liangtie Tang, and Deming Zhou
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 Sheng-Hung Lee
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- 2025 **Beyond simplicity: adequate technology for exceptional design**
 Sheng-Hung Lee
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Sheng-Hung Lee
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Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
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- 2018 **A Preliminary Discussion on What Makes a Good Design Consultant?**
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Sheng-Hung Lee
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DOI: 10.20055/j.cnki.1003-0069.002111
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《乐龄设计：服务设计与系统创新》—为人们规划老年生活的服务设计
Sheng-Hung Lee and Joseph F. Coughlin (edited by Yvette)
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| | 2025 Design and Urban Inquiries Guest Critique of the undergraduate course (UT230: Design and Urban Inquiries) invited by Prof. Matthew Wizinsky In: <i>University of Michigan, Urban Technology</i> , April 21, 2025 |
| | 2025 Product Ecologies and the Evolution of Design Careers Guest Lecture of the graduate course (ENP 220: Graduate Capstone) invited by Dr. Chaiwoo Lee In: <i>Tufts University, Human Factors Engineering</i> , April 17, 2025 |
| | 2025 Designing Aging Experiences with Sheng-Hung Lee Podcast Speaker interviewed by Prof. Gary David, Sociology, Bentley University In: <i>Experience by Design</i> , March 28, 2025 [website] |
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| | 2024 Mapping Aging in Place through AI and Robotics: A System Modeling Perspective Guest speaker invited by Prof. Mariluz Soto, Facultad de Diseño, Universidad del Desarrollo In: <i>Virtual (Service design and AI: cases, projects, and reflections)</i> , December 3, 2024 [website] |
| | 2024 Designing for Longevity: Turning Vision into Reality Guest speaker invited by Prof. Ricardo Gomes, School of Design, San Francisco State University In: <i>Virtual (DES 800 Graduate Design Seminar)</i> , November 20, 2024 |
| | 2024 Longevity Planning Service Innovation |

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| | Guest speaker invited by Prof. Bruce Hanington, School of Design, Carnegie Mellon University In: <i>Virtual, November 13, 2024</i> |
| 2024 | Design Portfolio Sharing Guest speaker invited by Prof. Barry Kudrowitz, Department Head of Design Innovation and Professor of Product Design, College of Design, University of Minnesota In: <i>University of Minnesota, College of Design, November 11, 2024</i> |
| 2024 | Introduction to Accessibility (Course: SI 552) Guest panelist invited by Prof. Robin N. Brewer, School of Information, University of Michigan In: <i>Virtual, November 11, 2024</i> |
| 2024 | Longevity Planning Service Design Guest speaker invited by Prof. Yihyun Lim, USC Jimmy Iovine and Andre Young Academy In: <i>Virtual, November 1, 2024</i> |
| 2024 | Design and Health Guest speaker invited by Prof. Arch. Andreas Sicklinger, Industrial Design, University of Bologna In: <i>Virtual, October 30, 2024</i> [pdf] |
| 2024 | The Future of Design Education and Academia Panel Discussion with Prof. Helen Armstrong and Diane Pfeiffer invited by Loft Design In: <i>Virtual, October 24, 2024</i> [link] |
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| 2024 | Embracing Everyday Battles: Sheng-Hung Lee on Life, Longevity, and Human Connection Podcast Speaker interviewed by Andrea Hiott In: <i>Virtual, October 20, 2024</i> [YouTube] |
| 2024 | Uncovering User Needs and Rituals for Longevity Services through Mixed-Methods Analysis: Integrating Constructivist Grounded Theory and Exploratory Factor Analysis Service Design Working Group Speaker invited by Cumulus 2024 Monterrey In: <i>Virtual, October 18, 2024</i> |
| 2024 | Expression, Ecology, and Experience in Design for Longevity Keynote Speaker invited by Experience Research Society In: <i>Bentley University, Waltham, MA, USA, October 12, 2024</i> [website] |
| 2024 | Design for Longevity: Services, Science, and Systems Keynote Speaker invited by Red Dot Design Museum (Xiamen) and Social Design Action In: <i>Chengdu Vartaim Cultural Tourism Development Co., Ltd. (China), August 28, 2024</i> [website pdf] |
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| 2024 | Human-Centered Design and Innovation with Sheng-Hung Lee Podcast Speaker interviewed by Sami Birnbaum and Jared Turner In: <i>Giant Robots, August 22, 2024</i> [website Spotify Apple pdf] |
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| 2024 | Empathy-Driven Approach to Design Research and Service Innovation Keynote Speaker of Exploring Design Methods invited by the IDSA Boston In: <i>Boston Public Library - Central Library, June 22, 2024</i> |
| 2024 | Design for Longevity and Service Innovation Keynote Speaker of Bandung Creative Movement 2024: Cultivating Global Collaboration in Arts, Design, and Humanities for Sustainable Creative Industries In: <i>Bandung Creative Movement 2024, June 6, 2024</i> [website pdf] |
| 2024 | LongevityTech and Service Design Guest Panelist invited by Silicon Valley Global Prospects Summit (SVGPS) In: <i>Global Prospects Summit & Startup Pitches: People Behind AI and Macroeconomic Trends, June 1, 2024</i> [website] |
| 2024 | Design for Longevity: An Empathic Service Design Framework Keynote Speaker of Emerging Solutions for Empathic Service Design In: <i>Finnish-American Research and Innovation Accelerator (FARIA) & Empathy Business Online Workshop, May 28, 2024</i> [website pdf] |

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| 2024 | Biodesign for the Ages: Redesigning R&D Episode panelist invited by Divya Gopalan In: <i>TaiwanPlus</i> , May 27, 2024 [website] |
| 2024 | Design for Longevity and Service Innovation Keynote speaker invited by Prof. Angela Giambattista at P/References of Design, Cumulus conference Budapest 2024 In: <i>Cumulus Working Group DEHA (DESIGN for Health, Aging and wellbeing)</i> , May 16, 2024 [website] |
| 2024 | AI, Artistry, and Authorship: A Technological-Cultural Tapestry Guest Panelist invited by Brown University China Summit 2024: Forward Focus In: <i>Brown University China Summit 2024: Forward Focus</i> , March 16, 2024 [website] |
| 2023 | My Purpose-Driven Creative Journey at MIT Chinese Podcast Speaker interviewed by Allen Chang, Co-Founder of A+2 Video Production In: <i>A! What's Up</i> , December 30, 2023 [YouTube Spotify Apple SoundOn] |
| 2023 | Design for Longevity and AgeTech Guest Speaker invited by Professor Wynnne Chang, Department of Industrial Design In: <i>National Cheng Kung University Department of Industrial Design</i> , November 13, 2023 |
| 2023 | Service Design in Greater Health Industry Guest Panelist invited by Taipei Entrepreneurs Hub (TEH) In: <i>Global Health Tech Connects Taipei</i> , November 10, 2023 [EN article CN article pdf] |
| 2023 | Design for Longevity: Services, Science, and Systems Guest Speaker invited by Emily Chmielewski, Design Research Director & Senior Associate at PERKINS EASTMAN In: <i>The Environmental Design Research Association (EDRA)</i> , November 1, 2023 [website] |
| 2023 | Empowering people through service design Podcast Speaker interviewed by Sebastian Gier In: <i>Design Drive EP79</i> , October 19, 2023 [website Spotify Apple pdf] |
| 2023 | Is It Design for Longevity (D4L) or Sustainability? Keynote Speaker interviewed by Herman Mao and Amie Chou In: <i>AT WISTARIA EPISODE 09</i> , September 9, 2023 [Spotify Apple Google] |
| 2023 | Design for Longevity (D4L): Service Innovation through System Thinking Keynote Speaker of Design4Drupal, Boston In: <i>Salem State University</i> , July 20, 2023 [website pdf] |
| 2023 | Building an AgeTech City Keynote Speaker of Building an AgeTech City: Service, Community, and Technology Symposium In: <i>Taipei City Government</i> |
| 2023 | Design for Longevity: AgeTech and Services Keynote Speaker In: <i>Taipei Entrepreneurs Hub</i> |
| 2023 | Design for Longevity: People, Product, Platform Keynote Speaker of Ideathon Taiwan—WeWe Futures: 2040 Diversity & Inclusion In: <i>Taiwan Design Research Institute (TDRI)</i> |
| 2023 | Service Design in Action: Transformation, Consideration, and System Thinking Guest Lecture of the graduate course (70 602: Service Design Futures) In: <i>The Oslo School of Architecture and Design (AHO)</i> |
| 2023 | The Future of Service Prototyping Keynote Speaker of Webinar: The Future of Service Prototyping In: <i>Cumulus Association, Service Design Group</i> [website pdf] |
| 2023 | Translate from User Journey Map to Design Prototyping Action Guest Lecture of the graduate course (ENP 220: Graduate Capstone) In: <i>Tufts University, Human Factors Engineering</i> |
| 2023 | Longevity Planning Block (LPB) Design for Inclusive Financial Planning Services Keynote Speaker of MIT Preparing for Longevity Advisory Network (PLAN) 2023 Forum In: <i>Massachusetts Institute of Technology (MIT), Media Lab</i> [website] |
| 2023 | Applying Human-Centered System Design to the Development of a Service Innovation Keynote Speaker of Aging Experience Workshop In: <i>Tsinghua University, The Future Laboratory</i> |
| 2023 | My "D" Journey Keynote Speaker of RISD Journey to Design In: <i>Rhode Island School of Design, Industrial Design Building</i> |

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| 2023 | How do prototype user experience through the design process? Keynote Speaker of The Power of Creativity Conference In: <i>Tec de Monterrey, Sonora Norte Campus</i> |
| 2022 | Reshape Safe, Sustainable Labs and Makerspaces on Campus: An Experimental Study on Material Flow through Human-centered System Design Keynote Speaker of Single-Use Plastic Circularity Summit In: <i>Massachusetts Institute of Technology (MIT) Samberg Conference Center</i> [website video] |
| 2022 | A Look into Design Leadership in MIT Laboratories Keynote Speaker In: <i>World Design Organization (WDO), Virtual</i> [website video] |
| 2022 | Harvard xDesign: Power in Teams Moderator In: <i>Harvard xDesign Conference, USA</i> [website] |
| 2021 | Human-Centered System Design From Methodology to Implementation—Footwear for the Aging Population Keynote Speaker In: <i>International Experience Design Conference (IXDC), China</i> [website] |
| 2021 | Harvard xDesign: Constructing Reality Moderator In: <i>Harvard xDesign Conference, USA</i> [website] |
| 2021 | Make ToGather: Interaction Design Webinar + Workshop Lecturer with Ziyuan Zhu In: <i>Massachusetts Institute of Technology (MIT)—Independent Activities Period (IAP), USA</i> [website] |
| 2021 | Creative Problem-Solving: NEET (New Engineering Education Transformation) Way of Thinking Lecturer with Dr. Rea Lavi In: <i>Massachusetts Institute of Technology (MIT)—Independent Activities Period (IAP), USA</i> [website] |
| 2021 | Humanity-centered System Design Lecturer and Mentor In: <i>Power Station of Art (PSA)—Blue Cables in Venetian Watercourse, P.O.C. (China)</i> |
| 2020 | Connecting the People Keynote Speaker In: <i>Rhode Island School of Design (RISD) Make-A-Thon: Connecting the Dots, USA</i> |
| 2020 | Design Career Discussion: Presenting Yourself in a Virtual Environment Mentor and Panel Discussion In: <i>Pratt Institute—Pratt Virtual Career Day, USA</i> |
| 2020 | Prototype User Experience Through Product Design Approach Keynote Speaker In: <i>Taipei Product Developers Conference (TPDC), Taiwan</i> [website pdf] |
| 2020 | Translate Daily Innovation and Observation into Meaningful Designs Keynote Speaker In: <i>SHiFT Design, USA</i> [website pdf] |
| 2020 | Rapid Prototype the User Experience from Ideas to Implementation Keynote Speaker and Workshop Facilitator In: <i>ING Creative, United Arab Emirates</i> |
| 2020 | Experience Design Keynote Speaker interviewed by Craig Mackiewicz In: <i>Exploded View Podcast, USA</i> [website pdf] |
| 2020 | After Covid-19 — The Transformation of Design Platform and Its Future Keynote Speaker In: <i>Tsinghua University—TrendTouch, P.O.C. (China)</i> |
| 2018 | Design Thinking Drives Public Service Innovations — Redesign Shanghai Library Innovation Space Keynote Speaker In: <i>International eXperience Design Committee (IXDC), P.O.C. (China)</i> [website] |
| 2018 | Reimagine User's Future Learning Experience in Public Library Keynote Speaker In: <i>2018 MIX Innovation Conference, Taipei City, Taiwan</i> [website pdf] |
| 2018 | Universal Design and Its Application in Life |

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| | Keynote Speaker In: <i>5th International Conference of Bandung Creative Movement (BCM), Telkom University, Indonesia</i> |
| 2017 | Rethinking Design: Moving Your Eyes from Your Head to Your Heart Speaker In: <i>TEDxFuxingPark, P.O.C. (China)</i> [website] |
| 2017 | A Story Behind the Bar Speaker In: <i>IDEO Under the Influence, P.O.C. (China)</i> [website] |
| 2017 | Introduction and Inspiration from CMF of Product Design Lecturer and Workshop Facilitator In: <i>Tsinghua University—Academy of Arts & Design, P.O.C. (China)</i> |
| 2017 | International Artificial Intelligence and Industrial Design Trend Speaker and Panel Discussion In: <i>China (Wuxi) International Design Expo, P.O.C. (China)</i> |
| Design Exhibitions | |
| 2024 | Good Interventions: An Economic and Strategic Design Exhibition Project: Longevity Planning Blocks [website pdf] In: <i>Parsons School of Design, New York, USA</i> |
| 2024 | Red Dot Design Museum Xiamen: Social Design Action Project: Design for Longevity [pdf] In: <i>Xiamen, China</i> |
| 2023 | Venice Innovation Design (VID) Project: Design for Longevity: Sustainable Life-Centered Services In: <i>Venice, Italy</i> |
| 2021 | MIT Wiesner Gallery Project: DESIGN: INCLUSIVE In: <i>Cambridge, USA</i> |
| 2020 | Dubai Design Week Global Grad Show Project: Tube 7 — Modular Lamp Design In: <i>Dubai, United Arab Emirates</i> |
| 2020 | Dubai Design Week Global Grad Show Project: Fresh Tracker — A System for Smart Food Stocking In: <i>Dubai, United Arab Emirates</i> |
| 2019 | Cooper Hewitt Design Triennial Project: TetraPOT 2.0 In: <i>New York, USA</i> |
| 2019 | Cube Design Museum Project: TetraPOT 2.0 In: <i>Kerkrade, Netherlands</i> |
| 2018 | Venice Design Week Project: Shanghai Library Innovation Space In: <i>Venice, Italy</i> |
| 2018 | Shanghai Library Project: Redesign Shanghai Library Innovation Space, Services, and Systems In: <i>Shanghai, China</i> |
| 2017 | Dubai Design Week Global Grad Show Project: TetraPOT In: <i>Dubai, United Arab Emirates</i> |
| 2017 | Shanghai Maker Carnival Exhibition Project: Daily Innovation In: <i>Shanghai, China</i> |
| Honors and Design Awards | |
| 2022 | IxDC International Experience Design Award — Top 10 Design Stars [link pdf] |
| 2021 | International Design Awards, Gold — Design For Society & Design for Public Awareness |
| 2021 | International Design Awards, Silver — Education & Teaching Aids |
| 2021 | Spark Award, Bronze — Product, industrial, and Service, Student |

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| 2020 | Core77 Design Award, Student Winner — Personal Accessory Award |
| 2020 | International Design Awards, Bronze — Design for Society & Design for Public Awareness |
| 2020 | DNA Paris Design Award, Winner — Experimental Design |
| 2020 | DNA Paris Design Award, Honorable Mention — Landscape Design |
| 2020 | Spark Award, Silver — Concept, Professional |
| 2020 | Spark Award, Finalist — Concept, Professional |
| 2020 | Novum Design Award, Gold — Service Design |
| 2020 | Novum Design Award, Gold — Design for Social Impact |
| 2020 | IDEA, Finalist — Student Designs |
| 2020 | IDEA, Finalist — Student Designs |
| 2018 | European Product Design Award, Gold — Design for Sustainability |
| 2018 | Spark Award, Gold — Experience |
| 2018 | IDEA, Finalist — Service Design |
| 2018 | A' Design Award & Competition, Iron — Governance and Public Service Design |
| 2018 | International Design Awards, Honorable Mention — Institutional, Conceptual |
| 2017 | iF, Gold — Discipline Professional Concept |
| 2017 | Outstanding Adjunct Professor Award, Shanghai Institute of Visual Arts, Fudan University |
| 2017 | European Product Design Award, Gold — Design for Sustainability |
| 2016 | IDEA, Gold — Environments |
| 2016 | red dot Design Award, Winner — Habitat |
| 2016 | James Dyson Award, National Winner (Taiwan) & International Top 20 Winner |
| 2016 | Spark Award, Winner — Concept, Professional |
| 2016 | A' Design Award & Competition, Silver — Sustainable Products, Projects and Green Design |
| 2016 | A' Design Award & Competition, Bronze — Disposable and Single-Use Product Design |
| 2016 | International Design Awards, Gold — Design for Society, Sustainable Products |
| 2016 | International Design Awards, Bronze — Home Interior Products, Kitchen Accessories/Tabletop |
| 2016 | International Design Awards, Bronze — Home Interior Products, Bathroom Fittings/Appliances |
| 2016 | International Design Awards, Honorable Mention — Safety Design |
| 2016 | Sichuan-Taiwan Industrial Design Awards, Silver — Environments |
| 2015 | IDEA, Finalist — Student Designs |
| 2015 | Spark Award, Student Designs — Concept |
| 2013 | Spark Award, Student Designs — Concept |
| 2013 | Core77 Design Award, Student Notable — Interaction |
| 2013 | IDEA, Finalist — Student Designs |
| 2012 | IDEA, Gold — Student Designs |
| 2012 | Braun Prize, Special Mention — Student Designs |
| 2012 | Fujitsu Semiconductor MCU Electronic Design Competition, Gold |
| 2012 | Fujitsu Semiconductor MCU Electronic Design Competition, Excellent Prize |
| 2012 | Fujitsu Semiconductor MCU Electronic Design Competition, Best Creative Award |
| 2012 | Core77 Design Award, Student Runner-up — Consumer Products |
| 2012 | Core77 Design Award, Student Notable — Equipment |
| 2012 | red dot Award: winner — Design Concept |
| 2011 | red dot Award, Best of the Best — Design Concept |
| 2011 | National Science Council, College Student Research Award |
| 2011 | Taipei Industrial Design Award, Honorable Mentions Award — Design Concept |
| 2011 | Essay Excellent Work: Chinese Institute of Engineers |
| 2010 | College Student Research Award: National Science Council |
| 2010 | iF Award-winning Entries of the lebens(t)raeume Competition |
| 2010 | 29th International Young Designers' Exhibition, Gold Award |
| 2010 | Tainan County Xiao Ridge, Young Designer Award |
| 2009 | Academy of Arts & Design, Tsinghua Univ. & Department of ID, NCKU, Gold Award |
| 2009 | NCKU International Workshop, Silver Award |
| 2009 | NCKU Outstanding Student Award for Academic |
| 2008 | NCKU Outstanding Student Award for Academic |
| 2007 | NCKU Outstanding Student Award for Academic |
| 2007 | NCKU Distinguished Achievement Award in Calculus |

Scholarships

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| 2021 | The Council for the Arts at MIT (CAMIT) Funding — Project: MAKE TO:GATHER |
| 2021 | MIT Sandbox Innovation Funding |
| 2020 | MIT Sandbox Innovation Funding |
| 2019 | MIT De Florez Fund for Humor |
| 2019 | IDSa Gianninoto Graduate Scholarship Winner |
| 2019 | EMMA Creative Center Pforzheim, Designers in Residence Scholarship — Project: Small Things with Big Heart |
| 2011 | China Technical Consultants, Inc. (CTCI) Science and Technology Creativity Scholarship |
| 2010 | China Technical Consultants, Inc. (CTCI) Science and Technology Creativity Scholarship |

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| | 2013 | NCKU Capstone Program — Project: Innovation Research of QR Code Application with MCU |
| | 2013 | NCKU Capstone Program — Project: Real-time Image Processing and Data Transmission Research of OK6410 ARM 11 |
| | 2012 | Dr. Liao Zong Lin Professor Emeritus of NCKU Department of Electrical Engineering |
| | 2009 | Dr. Tian Shou Wu Professor Emeritus of NCKU Department of Electrical Engineering |
| | 2009 | Dr. Wei-Noon Wang Scholarship Foundation |
| | 2008 | Dr. Yun-Ping Lo Memorial Scholarship Foundation |
| Professional Membership | 2021 | Service Design Network (SDN) — Member |
| | 2021 | The Design Society — Member |
| | 2020 | Design Management Institute (DMI) — Member |
| | 2018 | World Design Organization (WDO) — Professional Member |
| | 2018 | Asia Designer Communication Platform (ADP) — Purple Member |
| | 2017 | Chinese Industrial Designers Association (CIDA) — Professional Member |
| | 2012 | Industrial Designers Society of America Society (IDSA) — International Young Professional Member |
| | 2012 | Phi Tau Phi Scholastic Honor Society — Honorary Member |
| | 2010 | Phi Tau Phi Scholastic Honor Society — Honorary Member |
| | 2010 | Chinese Institute of Electrical Engineering — Member |
| | 2010 | Taiwan Science, Technology & Society Association — Member |
| Patents | 2013 | Media Storage Device for Storing Images with Audio Effects (101209072, Taiwan) |
| | 2012 | Curved Scissors (101210425, Taiwan) |
| | 2010 | Tape Dispenser (99206579, Taiwan) |
| | 2010 | Tweezers Clip (99208296, Taiwan) |
| Selected Media Coverage | 2024 | Navigating longevity with industry leaders at MIT AgeLab PLAN Forum Project: Design for Longevity Research and Design In: <i>MIT News</i> , May 16, 2024 [article website pdf] |
| | 2023 | Sheng-Hung Lee Designing Tomorrow's Society Project: Sheng-Hung Lee's Design Portfolios In: <i>Homa Design Magazine</i> #3, October, 2023 [article pdf website pdf] |
| | 2023 | Sheng-Hung Lee Presents Longevity Planning Blocks for FPA 2023 Annual Conference Project: Longevity Planning Block Design for Inclusive Financial Planning Services In: <i>MIT AgeLab</i> [article pdf] |
| | 2023 | Sheng-Hung Lee Presents on Design for Longevity at Venice Innovation Design Conference Project: Design for Longevity (D4L): Sustainable Life-Centered Services In: <i>MIT AgeLab</i> [article pdf] |
| | 2023 | Venice and urban regeneration: the ideas of Mario Cucinella and Sheng-Hung Lee (MIT) Project: Design for Longevity (D4L): Sustainable Life-Centered Services In: <i>La Repubblica</i> [article pdf] |
| | 2023 | VID 2023: forward-thinking projects and talks on innovation and sustainability Project: Design for Longevity (D4L): Sustainable Life-Centered Services In: <i>DesignWanted — Design Events</i> [article pdf] |
| | 2022 | Students imagine better products, services, and infrastructure for an aging society Project: MIT Course—Global Aging and the Built Environment (11.547J/SCM.287J) In: <i>MIT News</i> , June 6, 2022 [article website pdf] |
| | 2020 | From a super-tough incubator to a pillow that turns off the internet, Global Grad Show highlights design innovations Project: Tube 7 — Modular Lamp Design was reported by Stephanie Bailey In: <i>CNN — Style</i> [article pdf] |
| | 2020 | ‘Quarantent’ and ‘Farewell Suit’ among the designs in a global competition to fight coronavirus Project: Fresh Tracker — A System for Smart Food Stocking was reported by Kieron Monks In: <i>CNN — Style</i> [article pdf] |
| | 2017 | Design with Plants Project: TetraPOT was reported by Domus In: <i>Domus — Category of Design/Nature</i> [article] |
| | 2016 | Fighting Coastal Erosion with The Power of Mangroves: The Concrete Tetrapod Gets a Green Makeover Project: TetraPOT was reported by Kat Bauman In: <i>Core77</i> [article] |

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| 2016 | These Pots Are Designed to Create Mangrove Forests That Will Protect Our Beaches Project: TetraPOT was reported by Adele Peters In: <i>Fast Company</i> [article] |
| 2016 | TetraPOT is a greener alternative to concrete coastal defences Project: TetraPOT was reported by Emma Tucker In: <i>Dezeen</i> [article pdf] |
| 2015 | Toilet Paper with a Twist Project: Toilet Paper Roll Redesign was reported by Tory Turner In: <i>Yanko Design</i> [article pdf] |
| 2014 | Designing Here/Now: A global selection of objects, concepts and spaces for the future Project: Nursing Kit and Project: FANs Cam were covered in the book In: <i>Thames & Hudson</i> [book pdf] |
| 2012 | A First Aid Kit That Is Easy to Reach, Hard to Forget Project: Nursing Kit was reported by IDSA In: <i>Industrial Designers Society of America (IDSA)</i> [pdf] |
| 2012 | BraunPrize 2012 Shortlisted Projects Collection Project: Nursing Kit was covered in the book In: <i>Braun Design</i> [pdf] |
| 2012 | red dot design concept yearbook 2012/2013 Project: FANs Cam was covered in the book edited by Ken Koo In: <i>red dot edition</i> |
| 2012 | Taipei Design Code Project: Nursing Kit was covered in the book In: <i>Department of Information & Tourism, Taipei Municipal Government</i> [book pdf] |
| 2012 | Voice Memo with Benefits Project: Vmo was reported by Radhija Seth In: <i>Yanko Design</i> [article pdf] |
| 2012 | A Different Camera Perspective Project: FANs Cam was reported by Radhija Seth In: <i>Yanko Design</i> [article pdf] |
| 2012 | Sporty Spacecraft Project: Speedform was reported by Tory Turner In: <i>Yanko Design</i> [article pdf] |
| 2012 | Game Sight Blocked? Award-winning Miniature Camera Solves the Problem Project: FANs Cam was reported by NCKU News Center In: <i>National Cheng Kung University (NCKU) News Center</i> [article pdf] |
| 2012 | NCKU Students' First-aid Kit Shines in International Design Contests Project: Nursing Kit was reported by NCKU News Center In: <i>National Cheng Kung University (NCKU) News Center</i> [article pdf] |
| 2012 | NCKU Students Design PhotoTalk Connects Emotion Beyond Time Project: PhtotTalk was reported by NCKU News Center In: <i>National Cheng Kung University (NCKU) News Center</i> [article pdf] |
| 2011 | NCKU Whiz Kid Constant Winner of Design Awards Project: Nursing Kit was reported by NCKU News Center In: <i>National Cheng Kung University (NCKU) News Center</i> [article pdf] |
| 2011 | red dot design concept yearbook 2011/2012 Project: Nursing Kit was covered in the book edited by Ken Koo In: <i>red dot edition</i> |
| 2011 | The Fire Mix! Project: Fire Formula was reported by Radhija Seth In: <i>Yanko Design</i> [article pdf] |
| 2011 | It's a Guy Thing, Shhhh! Project: Condom Cap was reported by Radhija Seth In: <i>Yanko Design</i> [article pdf] |
| 2010 | First Aid First Project: Nursing Kit was reported by Radhija Seth In: <i>Yanko Design</i> [article pdf] |

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| Chinese Interviews and Articles | 2010 | 32nd International Young Designers' Exhibition (YODEX) Yearbook Project: Nursing Kit was covered in the book In: <i>Ministry of Economic Affairs, Taiwan</i> |
| | 2019 | Observe the World through Your Senses and Born with Design — Sheng-Hung Lee 感官全開的活著，呼吸即設計 — 李盛弘 Interviewed and Written by Fun Design In: <i>Fun Design: 10YearChallenge Column</i> [article pdf] |
| | 2018 | Sheng-Hung Lee, the Only International Design Excellence Awards (IDEA) Jury from Asia: As a Designer, What You Need to Care is Beyond What You See 美國國際設計傑出獎 (IDEA) 唯一亞洲評審李盛弘：作為設計師，你心裡關心的東西，要遠超過眼睛看到的 Interviewed and Written by Brian Deng In: <i>Vide</i> [article pdf] |
| | 2017 | Sheng-Hung Lee: Social Impact through Design 李盛弘：影・响・力 Interviewed and Written by Narkii.com In: <i>Narkii.com</i> [article pdf] |
| | 2016 | TetraPOT: Sea Defense to Save Ecology 海上防禦 拯救生態 Interviewed and Written by Chen Yongen In: <i>One Media Group</i> [article pdf] |
| | 2016 | 【1/4 Life Winner】IDEO Designer Sheng-Hung Lee's Seven-Year Learning Journey in College 【1/4 人生贏家】這位 IDEO 設計師是一位本科讀了七年的真學霸 Interviewed and Written by Lin Ziren In: <i>Jiemian</i> [article pdf] |
| | 2013 | Modern Da Vinci, Bridge the World through Design 現代達文西，與世界對話 Interviewed and Written by Wu Simin In: <i>Commonwealth Publishing Co., Ltd</i> [article pdf] |
| | 2010 | Design 100 COOL II 酷設計 100 II Project: Nursing Kit was covered in the book In: <i>Cheers</i> [book pdf] |
| Additional Training | 2021 | Structural Materials: Selection and Economics edX Credential ID: 0dee7706d95f4e568753b3ef6fc6551c |
| | 2020 | MBSE101: Model-Based Systems Engineering with OPM: Foundations edX Credential ID: 6d25ba2eebe34ef984775532436cc5f |
| | 2020 | MBSE102: Model-based Systems Engineering: Advanced Approaches with OPM edX Credential ID: 8934256554ba41f9b3674950409093d0 |
| | 2019 | Creative Writing: The Craft of Setting and Description Coursera Credential ID: 5NC74JEFCGDE |
| | 2019 | Creative Writing: The Craft of Style Coursera Credential ID: JSYAWR69VZLA |
| | 2019 | Creative Writing: The Craft of Character Coursera Credential ID: TJTC2HDLQKB9 |
| | 2019 | Creative Writing: The Craft of Plot Coursera Credential ID: BVZG76TPX5N4 |
| | 2015 | Entrepreneurship: Launching an Innovative Business Specialization Coursera Credential ID: DRWBGJKJ3RKH |
| | 2015 | Innovation for Entrepreneurs: From Idea to Marketplace Coursera Credential ID: F8KGF8AZ5H |
| | 2015 | New Venture Finance: Startup Funding for Entrepreneurs Coursera Credential ID: RYGLRBPM5R |

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| 2014 | An Introduction to Consumer Neuroscience & Neuromarketing Coursera Credential ID: ACC5GFS8HX |
| 2014 | An Introduction to Marketing Coursera Credential ID: 66CAY2J6TG |
| 2014 | Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship Coursera Credential ID: 3KEKEKMNXF |
| 2014 | Internet History, Technology, and Security Coursera Credential ID: DJCXZX6VVY |
| 2013 | Creative, Serious and Playful Science of Android Apps Coursera Credential ID: KAH9G8WGCF |

Mentorship

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| | Master Thesis as Reader |
| 2025 | Toward an Aging-Friendly Suburbia Kaicheng Zhuang, Massachusetts Institute of Technology SMArchS Urbanism <i>Co-advised with Prof. Rafi Segal and Prof. Brent D. Ryan</i> |
| 2025 | Toward an Aging-Friendly Suburbia Minghao Du, Massachusetts Institute of Technology SMArchS Urbanism <i>Co-advised with Prof. Rafi Segal and Prof. Brent D. Ryan</i> |