

Sheng-Hung Lee

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45 Hayward Street,
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 | 2022–2024 (Expected) | Massachusetts Institute of Technology, USA Ph.D. Candidate, Human Behavior and Service Design* <i>*self-designed, interdisciplinary doctoral degree administered by MIT Department of Mechanical Engineering</i> – Thesis: Human-Centered System Service: Design for Longevity – Ph.D. Committees: Maria C. Yang, Joseph F. Coughlin, Eric Klopfer, Olivier de Weck, and John Ochsendorf – Industry Mentors: Gianfranco Zaccai and Michael Peng |
| | 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 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 Curriculum Designer – Governance Innovation |
| | 2020–Present | MIT Ideation Lab, Cambridge, USA 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 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 | <p>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>)</p> |
| | 2020—Present | <p>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</p> |
| | 2020—Present | <p>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>)</p> |
| | 2020 | <p>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</p> |
| | 2015—2019 | <p>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</p> |
| | 2023—Present | <p>Shih Chien University, Taiwan Adjunct Associate Professor — Teach “Service Design” in the Asia Summer Program from June 17th to July 4th, 2023</p> |
| | 2023—Present | <p>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 14th to October 20th, 2023 — The course collaboration was invited by Dr. Yael Eylat Van Essen, Faculty of Design, HIT</p> |
| | 2023—Present | <p>Macromedia University, Munich, Germany Visiting Lecturer — Teach “Life-Centered Design” in Design Management Program from October 1st, 2023 to January 31st, 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</p> |
| | 2022—2022 | <p>Telkom University, Indonesia Visiting Professor (2022 Summer) — School of Creative Industries appoints as a Visiting Professor at Global Learning Week (GLOW)</p> |
| | 2017—2019 | <p>DaTao Master Academy, P.O.C. (China) Adjunct Associate Professor — Teaching: Ergonomic (I), (II), and (III)</p> |
| Service | 2023—2024 | <p>Design Research Society (DRS) Conference, Boston, USA Paper Track Co-Chair — Design for Longevity (D4L): Project Your Future Self through Service and Technology</p> |
| | 2023—2024 | <p>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</p> |
| | 2023—2024 | <p>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</p> |
| | 2020—Present | <p>The Design Journal, Publisher Routledge Journal Reviewer [link pdf] — ISSN (online): 1756-3062 ISSN: 1460-6925</p> |
| | 2020—Present | <p>World Design Organization (WDO) — 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)</p> |

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| | 2012–Present | <ul style="list-style-type: none"> – WDO Young Designers Circle Ambassador (2020) Industrial Designers Society of America (IDSA) – IDSA At-Large Director (Awards) Board of Director (2023) – IDSA At-Large Director (Awards) Leadership Role Candidate (2022) – IDSA Boston Chair (2022) – IDSA Award Committee (2022, 2021) – IDSA Boston Vice Chair (2020) – IDSA At-Large Director (Awards) Leadership Role Candidate (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 | 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 | |
| Self-published Books | 2019 | Design Consciousness – Small Things with Big Heart Sheng-Hung Lee <i>Sponsored by EMMA Creative Center Pforzheim Designers in Residence Scholarship and Program [website]</i> |
| | 2017 | IDSA Blueprint in Asia Sheng-Hung Lee <i>Sponsored by Industrial Designers Society of America (IDSA) [website]</i> |
| 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 [book ISBN: 9781838661533]</i> <i>CH version published by Faces Publications [webpage book pdf ISBN: 9786263153691]</i> |

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| Book Chapter Articles | 2025 | Longevity Service: A Systematic Literature Reviews Sheng-Hung Lee In: <i>Boundary spanning design for better services in digital times</i> , Publisher: Edward Elgar (Provisional accepted, final review) |
| | 2024 | 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 (Provisional accepted, final review) |
| | 2024 | Prototyping Longevity Service Systems: Tech or Touch? Sheng-Hung Lee , Maria Yang, Joseph F. Coughlin, Lisa D'Ambrosio, Sofie Hodara, Eric Klopfer, Olivier L. de Weck, and John Ochsendorf In: <i>Systemic Service Design</i> , Publisher: Routledge (Provisional accepted, final review) |
| | 2024 | Design for Longevity: An Empathetic Service Design Framework Sheng-Hung Lee In: <i>Service Design Futures: Creating Empathy through Prototyping, Arts-based Methods and Artificial Intelligence</i> , Publisher: Bloomsbury (Provisional accepted, final review) |
| | 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. Springer Series in Design and Innovation</i> , vol 29. 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 | 2024 | Transformation by Human-Centered System Design Sheng-Hung Lee [journal pdf website pdf] In: <i>Design Management Institute (DMI): Review Issue, Vol. 35, No. 1</i> |
| | 2024 | Seduction in Tangible Sheng-Hung Lee In: <i>INNOVATION, Spring</i> (Provisional accepted, final review) |
| | 2024 | Design Considerations and Ethics for Immersive Technologies: Reshaping Longevity Coaching Services Sheng-Hung Lee In: <i>Temes de Disseny. Fall/Winter'2024</i> (Provisional accepted, final review) |
| | 2023 | The Transformation of Design Platform Under System Thinking Sheng-Hung Lee , Olivier L. de Weck, Maria C. Yang, and Joseph F. Coughlin In: <i>International Journal of Performance Arts and Digital Media</i> , October, 24, 2023 [journal pdf] |
| | 2022 | Retail Banking and Financial Service Under System Analysis Sheng-Hung Lee , Joseph F. Coughlin, and Eric Klopfer In: <i>Arte, entre paréntesis</i> , Vol. 2, No. 15 [journal pdf] |
| | 2021 | Revisiting My Self-Quarantine Experience through a Data-driven Approach Sheng-Hung Lee In: <i>Design Management Institute (DMI): Review Issue, Vol. 32, No. 1</i> [journal pdf website pdf] |
| | Articles in Refereed Conference Proceedings | 2024 |
| 2024 | | Design for Longevity: Literature Review Through the Lens of Financial Planning, Product Innovation, Services Systems, and Gerontology Sheng-Hung Lee , Joseph F. Coughlin, Sofie Hodara, Maria Yang, Olivier L. de Weck, Eric Klopfer, and John Ochsendorf In: <i>Design Research Society (DRS)—Resistance, Recovery, Reflection, Reimagination, USA, 2024</i> [conf pdf] |
| 2024 | | Enhancing Financial Education for Longevity through Service Design Sheng-Hung Lee , Joseph F. Coughlin, Sofie Hodara, and Maria Yang In: <i>Design Research Society (DRS)—Resistance, Recovery, Reflection, Reimagination, USA, 2024</i> [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](#)]
- 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](#)]
- 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](#)]
- 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 Fakh-Hosseini, Heesuk Son, Shen Shen, and Joseph F. Coughlin
In: *International Conference on Human-Computer Interaction, Copenhagen, Denmark, 2023* [[conf](#) | [pdf](#)]
- 2023 **Acceptance of Future Home Technologies and Services: Comparing Different Tasks, Scenarios and User Characteristics**
Shabnam Fakh-Hosseini, 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](#)]
- 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](#)]
- 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](#)]
- 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](#)]
- 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](#)]
- 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](#)]
- 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](#)]
- 2021 **Manufacturing Creative Impact: Co-creation Toolkits and Service Design for Remote Hybrid Collaboration Experience**
Sheng-Hung Lee, Ziyuan Zhu, Simone Mora, and Joseph F. Coughlin
In: *The 8th Bandung Creative Movement Conference*, virtual, 2021 [[conf](#) | [pdf](#)]
- 2021 **User Needs of Smart Home Services**
Shabnam FakhrHosseini, **Sheng-Hung Lee**, John Rudnik, Heesuk Son, Chaiwoo Lee, Joseph F. Coughlin
In: *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, virtual, 2021 [[conf](#) | [pdf](#)]
- 2020 **Experimenting with Design Thinking and System Engineering Methodologies: Using a Commercial Cislunar Space Development Project as an Example**
Sheng-Hung Lee, John Liu, John Rudnik, Olivier L. de Weck, Joseph F. Coughlin, and Jonathan Chapman
In: *Industrial Designers Society of America (IDSA)—International Design Conference (IDC)*, virtual, 2020 [[video](#) | [pdf](#)]
- 2020 **Apply Humanity-centered Design Process to Envision the Future Learning Experience of Public Area – Use “Redesign Shanghai Library Innovation Space Project” as an Example**
Sheng-Hung Lee, John Rudnik, Lin Lin, Liangtie Tang, and Deming Zhou
In: *Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design*, virtual, 2020 [[video](#) | [pdf](#)]
- 2020 **Apply and Curate the Object-Process Methodology (OPM) and the Human-centered Design to Solve the Systemic Challenge – Use Campus Tour Experience Design as an Example**

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| | | <p>Sheng-Hung Lee, Chaiwoo Lee, John Rudnik, Chaiwoo Lee, Olivier L. de Weck, Joseph F. Coughlin, and Jonathan Chapman In: <i>Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design, virtual, 2020</i> [video pdf]</p> |
| | 2020 | <p>An Exploration of the Creative Cognitive Process by Translating the Observation into the Early Stage of the Product Design Development – Apply the Experimental Project “Design Consciousness: Small Things with Big Heart” as an Example Sheng-Hung Lee, John Rudnik, Tim Storti, and Almut Benkert In: <i>Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design, virtual, 2020</i> [video pdf]</p> |
| | 2020 | <p>Apply Funnel Model to Design Thinking Process Sheng-Hung Lee, Ziyuan Zhu, John Rudnik, Chaiwoo Lee, Joseph F. Coughlin, Olivier L. de Weck, and Jonathan Chapman In: <i>Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design, virtual, 2020</i> [video pdf]</p> |
| | 2020 | <p>A Systematic Thinking Design Research Approach Combining the ConOps with Design Scenario – Use Commercial Cislunar Space Development Project as an Example Sheng-Hung Lee, John Rudnik, Chaiwoo Lee, Shabnam Fakhrosseini, Olivier L. de Weck, Joseph F. Coughlin, and Jonathan Chapman In: <i>Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design, virtual, 2020</i> [video pdf]</p> |
| Work in Progress Research and Papers | 2022 | <p>Smart Footwear Design Consideration for the Aging Population Sheng-Hung Lee, Alexa Balmuth In: <i>Innovation in Aging, Journal of The Gerontological Society of America (GSA)</i></p> |
| DesignWanted Column | 2024 | <p>Design for Vulnerability (D4V): Adaptability, Artifacts, and Apprehension Sheng-Hung Lee In: <i>DesignWanted, February 2, 2024</i> [article pdf] Number of shares from DesignWanted website: TBD</p> |
| | 2023 | <p>From Post-it notes to solutions. From artificial intelligence to anticipating intelligence. Sheng-Hung Lee In: <i>DesignWanted, December 22, 2023</i> [article pdf] Number of shares from DesignWanted website: 83</p> |
| | 2023 | <p>Industrial Design Paradigm Shift: Reflection on Translating Dieter Rams Portfolios Sheng-Hung Lee In: <i>DesignWanted, November 2, 2023</i> [article pdf] Number of shares from DesignWanted website: 43</p> |
| | 2023 | <p>What makes a design conference go from informative to inspiring? Sheng-Hung Lee In: <i>DesignWanted, September 11, 2023</i> [article pdf] Number of shares from DesignWanted website: 108</p> |
| | 2023 | <p>Building an AgeTech City: Services, Community, and Technology Sheng-Hung Lee In: <i>DesignWanted, July 14, 2023</i> [article pdf] Number of shares from DesignWanted website: 131</p> |
| | 2023 | <p>Design for simulation: how to project your future self? Sheng-Hung Lee In: <i>DesignWanted, May 31, 2023</i> [article pdf] Number of shares from DesignWanted website: 71</p> |
| | 2023 | <p>Design for Longevity: Service, Systems, and Sustainability Sheng-Hung Lee In: <i>DesignWanted, April 12, 2023</i> [article pdf] Number of shares from DesignWanted website: 102</p> |
| | 2023 | <p>A self-reflection on research ethics and design process Sheng-Hung Lee In: <i>DesignWanted, February 23, 2023</i> [article pdf] Number of shares from DesignWanted website: 57</p> |

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| | 2022 | From Brainstorming to Bodystorming: an applied ethnographic perspective to view co-creation workshops Sheng-Hung Lee In: <i>DesignWanted</i> , December 28, 2022 [article pdf] Number of shares from DesignWanted website: 21 |
| | 2022 | Service Innovation in Space Design: How to build an immersive and interactive lab space experience in a post-Covid era Sheng-Hung Lee In: <i>DesignWanted</i> , September 8, 2022 [article pdf] Number of shares from DesignWanted website: 25 |
| | 2022 | A Look into Design Leadership at MIT Laboratories: A Preliminary Discussion on Design Leadership through a Hybrid Academic and Industrial Lens Sheng-Hung Lee In: <i>DesignWanted</i> , July 15, 2022 [article pdf] Number of shares from DesignWanted website: 124 |
| | 2022 | Computational design experiment for older adult's footwear Sheng-Hung Lee In: <i>DesignWanted</i> , April 15, 2022 [article pdf] Number of shares from DesignWanted website: 167 |
| MIT AgeLab Column | 2023 | Design for Longevity: Life-Centered Design Sheng-Hung Lee In: <i>MIT AgeLab</i> , August 2, 2023 [article pdf] |
| | 2022 | Reshaping financial planning through a co-creation workshop Sheng-Hung Lee In: <i>MIT AgeLab</i> , November 17, 2022 [article pdf] |
| | 2022 | Transformative Service Innovation and Design: From Touch Points to Data Points Sheng-Hung Lee In: <i>MIT AgeLab</i> , July 15, 2022 [article pdf] |
| | 2022 | Creative teaching in a course on aging: a designer's perspective Sheng-Hung Lee In: <i>MIT AgeLab</i> , April 1, 2022 [article pdf] |
| Magazine Articles | 2023 | Technology Intersects Design: Meet the Visionary Leader of Multidisciplinary Excellence Sheng-Hung Lee In: <i>Design Decode</i> [article pdf] |
| | 2022 | What I Wish I'd Learnt in College: People Skills, Empathy Building and Storytelling Sheng-Hung Lee In: <i>World Design Organization (WDO): design 360</i> [article pdf website pdf] |
| | 2021 | Back to Basics: Communication Skills for Virtual Interviews Sheng-Hung Lee In: <INNOVATION> Summer 2021— <i>Academia 360 Column by Industrial Designers Society of America (IDSA)</i> [pdf] |
| | 2020 | Experimenting with Design Thinking and System Engineering Methodologies: Using a Commercial Cislunar Space Development Project as an Example Sheng-Hung Lee and John Liu In: <INNOVATION> Winter 2020— <i>Education Interrupted by Industrial Designers Society of America (IDSA)</i> [video pdf] |
| | 2020 | My D Journey with Industrial Designers Society of America (IDSA) Sheng-Hung Lee In: <i>Industrial Designers Society of America (IDSA)—National Industrial Design Day</i> [article pdf website pdf] |
| | 2020 | Aloha — An Inspirational Trip at Hawaii Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i> [article pdf website pdf] |
| | 2019 | A Design Sprint Project Reflection — Revisiting Teamwork from the Lens of Kano Model Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i> [article pdf website pdf] |
| | 2019 | A Brief Discussion on Object-Process Methodology (OPM) and Design Thinking Approach |

- Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2019 **Inspiration from My Three-month Stay for the Designer in Residence Program in Germany — Part 1**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2019 **Inspiration from My Three-month Stay for the Designer in Residence Program in Germany — Part 2**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2019 **Inspiration from My Three-month Stay for the Designer in Residence Program in Germany — Part 3**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2019 **Inspiration from My Three-month Stay for the Designer in Residence Program in Germany — Part 4**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2018 **Design and Design Literacy in Everyday Life**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2018 **A Preliminary Discussion on What Makes a Good Design Consultant?**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2018 **Through Designers' Eyes — Design Inspirations from Daily Life**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2018 **Inspired by Collaborative Creativity**
Sheng-Hung Lee
In: *Industrial Designers Society of America (IDSA)—Sketch Book* [[pdf](#)]
- 2016 **TetraPOT — A Greener Sea Barrier**
Sheng-Hung Lee and Wan Kee Lee
In: *<INNOVATION> Fall 2016—Yearbook of Design Excellence by Industrial Designers Society of America (IDSA)* [[pdf](#)]
- 2016 **Tetrapot Greener Sea Defense Creates Symbiosis Between Artificial and Natural Sea Defense**
Sheng-Hung Lee
In: *Tuvie — Modern Industrial Design and Future Technology: Designs and Concepts (Green)* [[article](#)]
- 2012 **Nursing Kit — First Aid with Flare**
Sheng-Hung Lee and Yu-Lin Chen
In: *<INNOVATION> Fall 2012—Yearbook of Design Excellence by Industrial Designers Society of America (IDSA)* [[pdf](#)]
- Chinese Design Journals
- 2024 **The Impact of AI on Design Industry, Research, and Education**
AI 对于设计实务、研究与教育的冲击
Sheng-Hung Lee
In: *<DESIGN> 2024 Issue 2* [[journal](#) | [pdf](#)]
- 2023 **Design for Longevity: Service Design, Experience, and Innovation**
乐龄设计：服务设计、体验与创新 —— 一场与未来自己的对话
Sheng-Hung Lee
In: *<DESIGN> 2023 Issue 24* [[journal](#) | [pdf](#)]
- 2022 **Design Education and Cultivation of All-round Creative Talents**
设计教育与全方位创意人才培养
Sheng-Hung Lee and Tony Hu
In: *<DESIGN> 2022 Issue 24* [[journal](#) | [pdf](#)]
- 2022 **Design Education is Embodied in the Studio Culture of Diversity, Inclusiveness, and Community Integration**
设计教育体现于多元性、包容性与社群结合的工作室文化
Sheng-Hung Lee and Sofie Hodara
In: *<DESIGN> 2022 Issue 24* [[journal](#) | [pdf](#)]
- 2022 **Service Innovation Design of Lab Space: Space Service Experiment in MIT Laboratory**

- 實驗室空間的服務創新設計：打造 MIT 實驗室的空間服務體驗
Sheng-Hung Lee
In: <DESIGN> 2022 Issue 18 [[journal](#) | [pdf](#)]
- 2022 **Vision and Reflection of Design Education: MIT Morningside Academy for Design**
跨領域整合設計的反思與未來展望：麻省理工學院成立設計學院
Sheng-Hung Lee
In: <DESIGN> 2022 Issue 24 [[journal](#) | [pdf](#)]
- 2021 **Understanding and Sharing of Designing Design Education**
對設計“設計教育”的理解和分享
Sheng-Hung Lee
In: <DESIGN> 2021 Issue 24 [[journal](#) | [pdf](#)]
- 2021 **Reshaping the Online Learning Experience: MIT Co-creation Workshop**
重塑線上學習體驗：麻省理工“共：創”工作坊
Sheng-Hung Lee and Ziyuan Zhu
In: <DESIGN> 2020 Issue 14 [[journal](#) | [pdf](#)]
- 2020 **Preliminary Discussion on Design Process of Online Workshop “MAKE TO: GATHER”**
初步探討線上“共：創”工作坊設計過程
Sheng-Hung Lee and Ziyuan Zhu
In: <DESIGN> 2020 Issue 22 [[journal](#) | [pdf](#)]
- 2020 **Preliminary Discussion on the Change of Design Platform Under System Thinking**
系統思維下初步探討設計平臺的轉變
Sheng-Hung Lee
In: <DESIGN> 2020 Issue 14 [[journal](#) | [pdf](#)]
- 2019 **Design Consciousness: Small Things with Big Heart**
德國駐地設計師項目之我見
Sheng-Hung Lee
In: <DESIGN> 2019 Issue 12 [[journal](#) | [pdf](#)]
- 2019 **The Relationship Between Design Literacy and Design in Life**
生活中的設計素養與設計的關係
Sheng-Hung Lee
In: <DESIGN> 2019 Issue 4 [[journal](#) | [pdf](#)]
- 2018 **Preliminary Discussion on What Makes a Good Design Consultant**
初探如何成為一個好的設計顧問
Sheng-Hung Lee
In: <DESIGN> 2018 Issue 22 [[journal](#) | [pdf](#)]
- 2018 **The World in Designers' Eyes — Design Inspirations from Daily Life**
設計師的眼—日常生活中的設計啟發
Sheng-Hung Lee
In: <DESIGN> 2018 Issue 18 [[journal](#) | [pdf](#)]
- 2018 **The Future Learning Experience of Public Area — Redesign Shanghai Library Innovation Space**
重新設計公共空間中的未來學習體驗 — 以上海圖書館創 · 新空間為例
Sheng-Hung Lee
In: <Industrial Design> 2018 Issue 5 [[journal](#) | [pdf](#)]
- 2018 **Brief Discussion on the Essence of Design — Reflections on 2018 International Design Excellence Awards Jury**
淺談設計本質 — 擔任 2018 美國國際杰出設計獎 (IDEA) 評委的反思
Sheng-Hung Lee
In: <DESIGN> 2018 Issue 14 [[journal](#) | [pdf](#)]
- 2018 **Learnings and Reflections from Globe Grad Show**
一場世界級的設計饗宴 — 迪拜設計師周
Sheng-Hung Lee
In: <DESIGN> 2018 Issue 4 [[journal](#) | [pdf](#)]
- 2017 **The Inspiration of Design Competitions**
設計比賽帶給我的啟發
Sheng-Hung Lee
In: <DESIGN> 2017 Issue 20 [[journal](#) | [pdf](#)]
- 2017 **Everyone is a Designer**

人人都是設計師
Sheng-Hung Lee
In: <DESIGN> 2017 Issue 16 [[journal](#) | [pdf](#)]

Refereed Chinese
Articles in Edited
Books and Chapters

- 2020 **IDEO Design Thinking Method Card: Steelcase Outdoor Furniture Innovative Design Course**
IDEO 的設計方法卡牌：世楷貿易（上海）有限公司戶外家具創新設計課程實踐
Sheng-Hung Lee
In: <Design Methodology and Teaching Application> by Donghua University Press Co., LTD (Chapter: 7) [[pdf](#)]
- 2020 **Reshape the Future Learning Experience Space from the Perspective of Value Proposition: Take Shanghai Library Innovation Space Design as an Example**
從價值主張出發重塑未來學習體驗空間：以上海圖書館創•新空間設計為例
Sheng-Hung Lee
In: <Design Methodology and Teaching Application> by Donghua University Press Co., LTD (Chapter: 8) [[pdf](#)]
- 2019 **Design Thinking Driven Public Service Innovation: Humanity-centered Public Space Service Design**
設計思維驅動公共服務創新：以「仁」為本的公共空間服務設計
Sheng-Hung Lee
In: <Construct a New Framework for UX - Personality, Intelligence, Platform> by Tsinghua University Press (page 125 to page 131) [[pdf](#)]
- 2019 **Explore Design Innovation in Daily Life**
探尋生活中的設計素養
Sheng-Hung Lee
In: Design360° [[article](#) | [pdf](#)]
- 2019 **Observation and Reflection about Overdesign in Daily Life**
STOP! 設計過度了！
Sheng-Hung Lee
In: Design360° [[article](#) | [pdf](#)]

MOT TIMES
Column

- 2022 **Enabling Lab Space as Service Designs for Co-creation — Use MIT AgeLab as an Example**
【李盛弘專欄—我在 MIT 上設計課】 歷時三年 MIT AgeLab 實驗室空間大改造！三個關鍵元素放大共創可能
Sheng-Hung Lee
In: MOT TIMES, October 16, 2022 [[article](#) | [pdf](#)]
- 2021 **Envision, Design, and Build Safe and Sustainable Labs at MIT: Celebrate Users' Stories Inspired and Driven by Data and Scientific Approaches**
【李盛弘專欄—我在 MIT 上設計課】 打造未來 MIT 安全永續實驗室！讓數據不只是數字，用科學的方式說使用者故事
Sheng-Hung Lee
In: MOT TIMES, August 25, 2021 [[article](#) | [pdf](#)]
- 2021 **A Preliminary Discussion about Open Restaurants and Open Streets Program in New York City: How Does the Policy Shape City Landscape, Build Environment, and Influence Our Interactions?**
【李盛弘專欄—我在 MIT 上設計課】 紐約出現共享街道！半開放式小屋如何透過設計成為城市永存的風景
Sheng-Hung Lee
In: MOT TIMES, March 22, 2021 [[article](#) | [pdf](#)]
- 2020 **After Covid-19 — The Street Observation and Innovation in the Lens of Experience Design**
【李盛弘專欄—我在 MIT 上設計課】 街道上的「體驗設計」觀察—創新讓餐飲業找到疫情下的生存之道，9 個小巧思突破經營僵局
Sheng-Hung Lee
In: MOT TIMES, August 12, 2020 [[article](#) | [pdf](#)]
- 2020 **After Covid-19 — The Transformation of Design Platform and Its Future**
【李盛弘專欄—我在 MIT 上設計課】 「疫」外收穫—從 4 大設計組織平台洞見世界潮流的趨勢轉變與機會
Sheng-Hung Lee
In: MOT TIMES, May 25, 2020 [[article](#) | [pdf](#)]
- 2020 **A Discussion on Experience Design Project: MIT Campus Tour Service Project as a Case Study**
【李盛弘專欄—我在 MIT 上設計課】 MIT 校園導覽服務如何拿下 2020 A' Design Award？看體驗設計的四大法則
Sheng-Hung Lee
In: MOT TIMES, March 11, 2020 [[article](#) | [pdf](#)]
- 2019 **What Can Designers Contribute in Lab? A Preliminary Discussion in Lab Innovation Through Four Actions by Designers**
【李盛弘專欄—我在 MIT 上設計課】 設計師在實驗室能做些什麼？4 個行動，初探學術實驗室內的創新

Sheng-Hung Lee
In: *MOT TIMES*, December 11, 2019 [[article](#) | [pdf](#)]

Invited Talks and
Lectures

- 2023 **My Purpose-Driven Creative Journey at MIT**
Chinese Podcast Speaker interviewed by Allen Chang, Co-Founder of A+2 Video Production
In: *A! What's Up*, December 30, 2023 [[YouTube](#) | [Spotify](#) | [Apple](#) | [SoundOn](#)]
- 2023 **Design for Longevity and AgeTech**
Guest Speaker invited by Professor Wynn Chang, Department of Industrial Design
In: *National Cheng Kung University Department of Industrial Design*, November 13, 2023
- 2023 **Service Design in Greater Health Industry**
Guest Panelist invited by Taipei Entrepreneurs Hub (TEH)
In: *Global Health Tech Connects Taipei*, 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: *The Environmental Design Research Association (EDRA)*, November 1, 2023 [[website](#)]
- 2023 **Empowering people through service design**
Keynote Speaker interviewed by Sebastian Gier
In: *Design Drive EP79*, 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: *AT WISTARIA EPISODE 09*, September 9, 2023 [[Spotify](#) | [Apple](#) | [Google](#)]
- 2023 **Design for Longevity (D4L): Service Innovation through System Thinking**
Keynote Speaker of Design4Drupal, Boston
In: *Salem State University*, July 20, 2023 [[website](#) | [pdf](#)]
- 2023 **Building an AgeTech City**
Keynote Speaker of Building an AgeTech City: Service, Community, and Technology Symposium
In: *Taipei City Government*
- 2023 **Design for Longevity: AgeTech and Services**
Keynote Speaker
In: *Taipei Entrepreneurs Hub*
- 2023 **Design for Longevity: People, Product, Platform**
Keynote Speaker of Ideathon Taiwan—WeWe Futures: 2040 Diversity & Inclusion
In: *Taiwan Design Research Institute (TDRI)*
- 2023 **Service Design in Action: Transformation, Consideration, and System Thinking**
Guest Lecture of the graduate course (70 602: Service Design Futures)
In: *The Oslo School of Architecture and Design (AHO)*
- 2023 **The Future of Service Prototyping**
Keynote Speaker of Webinar: The Future of Service Prototyping
In: *Cumulus Association, Service Design Group* [[website](#) | [pdf](#)]
- 2023 **Translate from User Journey Map to Design Prototyping Action**
Guest Lecture of the graduate course (ENP 220: Graduate Capstone)
In: *Tufts University, Human Factors Engineering*
- 2023 **Longevity Planning Block (LPB) Design for Inclusive Financial Planning Services**
Keynote Speaker of MIT Preparing for Longevity Advisory Network (PLAN) 2023 Forum
In: *Massachusetts Institute of Technology (MIT), Media Lab* [[website](#)]
- 2023 **Applying Human-Centered System Design to the Development of a Service Innovation**
Keynote Speaker of Aging Experience Workshop
In: *Tsinghua University, The Future Laboratory*
- 2023 **My "D" Journey**
Keynote Speaker of RISD Journey to Design
In: *Rhode Island School of Design, Industrial Design Building*
- 2023 **How do prototype user experience through the design process?**
Keynote Speaker of The Power of Creativity Conference
In: *Tec de Monterrey, Sonora Norte Campus*
- 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: *Massachusetts Institute of Technology (MIT) Samberg Conference Center* [[website](#) | [video](#)]
- 2022 **A Look into Design Leadership in MIT Laboratories**
Keynote Speaker
In: *World Design Organization (WDO), Virtual* [[website](#) | [video](#)]
- 2022 **Harvard xDesign: Power in Teams**
Moderator
In: *Harvard xDesign Conference, USA* [[website](#)]
- 2021 **Human-Centered System Design From Methodology to Implementation—Footwear for the Aging Population**
Keynote Speaker
In: *International Experience Design Conference (IxDC), China* [[website](#)]
- 2021 **Harvard xDesign: Constructing Reality**
Moderator
In: *Harvard xDesign Conference, USA* [[website](#)]
- 2021 **Make ToGather: Interaction Design Webinar + Workshop**
Lecturer with Ziyuan Zhu
In: *Massachusetts Institute of Technology (MIT)—Independent Activities Period (IAP), USA* [[website](#)]
- 2021 **Creative Problem-Solving: NEET (New Engineering Education Transformation) Way of Thinking**
Lecturer with Dr. Rea Lavi
In: *Massachusetts Institute of Technology (MIT)—Independent Activities Period (IAP), USA* [[website](#)]
- 2021 **Humanity-centered System Design**
Lecturer and Mentor
In: *Power Station of Art (PSA)—Blue Cables in Venetian Watercourse, P.O.C. (China)*
- 2020 **Connecting the People**
Keynote Speaker
In: *Rhode Island School of Design (RISD) Make-A-Thon: Connecting the Dots, USA*
- 2020 **Design Career Discussion: Presenting Yourself in a Virtual Environment**
Mentor and Panel Discussion
In: *Pratt Institute—Pratt Virtual Career Day, USA*
- 2020 **Prototype User Experience Through Product Design Approach**
Keynote Speaker
In: *Taipei Product Developers Conference (TPDC), Taiwan* [[website](#) | [pdf](#)]
- 2020 **Translate Daily Innovation and Observation into Meaningful Designs**
Keynote Speaker
In: *SHiFT Design, USA* [[website](#) | [pdf](#)]
- 2020 **Rapid Prototype the User Experience from Ideas to Implementation**
Keynote Speaker and Workshop Facilitator
In: *ING Creative, United Arab Emirates*
- 2020 **Experience Design**
Keynote Speaker interviewed by Craig Mackiewicz
In: *Exploded View Podcast, USA* [[website](#) | [pdf](#)]
- 2020 **After Covid-19 — The Transformation of Design Platform and Its Future**
Keynote Speaker
In: *Tsinghua University—TrendTouch, P.O.C. (China)*
- 2018 **Design Thinking Drives Public Service Innovations — Redesign Shanghai Library Innovation Space**
Keynote Speaker
In: *International eXperience Design Committee (IXDC), P.O.C. (China)* [[website](#)]
- 2018 **Reimagine User's Future Learning Experience in Public Library**
Keynote Speaker
In: *2018 MIX Innovation Conference, Taipei City, Taiwan* [[website](#) | [pdf](#)]
- 2018 **Universal Design and Its Application in Life**
Keynote Speaker
In: *5th International Conference of Bandung Creative Movement (BCM), Telkom University, Indonesia*
- 2017 **Rethinking Design: Moving Your Eyes from Your Head to Your Heart**
Speaker
In: *TEDxFuxingPark, P.O.C. (China)* [[website](#)]

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| | 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 | 2023 | Venice Innovation Design (VID) — Project: Design for Longevity: Sustainable Life-Centered Services |
| | 2021 | MIT Wiesner Gallery — Project: DESIGN: INCLUSIVE |
| | 2020 | Dubai Design Week Global Grad Show — Project: Tube 7 — Modular Lamp Design |
| | 2020 | Dubai Design Week Global Grad Show — Project: Fresh Tracker — A System for Smart Food Stocking |
| | 2019 | Cooper Hewitt Design Triennial — Project: TetraPOT 2.0 |
| | 2019 | Cube Design Museum — Project: TetraPOT 2.0 |
| | 2018 | Venice Design Week — Project: Shanghai Library Innovation Space |
| | 2018 | Shanghai Library — Project: Redesign Public Space |
| | 2017 | Dubai Design Week Global Grad Show — Project: TetraPOT |
| | 2017 | Shanghai Maker Carnival Exhibition — Project: Daily Innovation |
| Honors and Design Awards | 2022 | IxDC International Experience Design Award — Top 10 Design Stars |
| | 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 |
| | 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 |

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| | 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 | 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 |
| | 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 | 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] |
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