

Sheng-Hung Lee

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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.

Education	2022–2026	Massachusetts Institute of Technology, USA Ph.D. Candidate, Human Behavior and Service Design – Thesis: Human-Centered System Service – Ph.D. Committees: Maria C. Yang, John Ochsendorf, Joseph F. Coughlin, Olivier de Weck, and Eric Klopfer – 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 – 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
Academic Experience	2019–2023	MIT AgeLab Ph.D. Researcher and Designer – Project Smart Home for the Aging Population – Teaching Assistant and Co-instructor (2022, 2023 Spring - 11.547/SCM 287 Global Aging & The Built Environment) – Teaching Assistant (2020 Fall - 11.S941/11.S195 Global Aging: Planning Cities for a 100-Year Society) – MIT AgeLab Website Design Team
	2022–2022	MIT Governance Lab (MIT GOV/LAB) Curriculum Designer – Governance Innovation
	2020–2023	MIT Ideation Lab Ph.D. Researcher and Designer – Guest Reviewer (2022 Spring - 15.783/2.739 Product Design and Development) – Team Lab Instructor (2021 Fall - 2.00 Introduction to Design) – Team Lab Instructor (2020 Spring - 2.00 Introduction to Design) – Guest Reviewer (2021 Spring and 2020 Fall - 15.783/2.739 Product Design and Development)
	2019–2021	MIT xPRO 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 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)
	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—2023	Shih Chien University , Taiwan Adjunct Associate Professor — Teach “Service Design” in the Asia Summer Program from June 17 th to July 4 th ,2023
	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)
Industry 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
	2012—2023	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)
	2020—2023	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) — WDO Young Designers Circle Ambassador (2020)
	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</i>
	2017	IDSAs Blueprint in Asia Sheng-Hung Lee <i>Sponsored by Industrial Designers Society of America (IDSA) and International Design Excellence Awards (IDEA)</i>
Book Chapter Articles	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 <i>In: Service Design for Emerging Technologies Product Development, Publisher: Springer, 2023</i>
	2023	Inclusive Financial Planning Service Design Considerations for an Aging Population Sheng-Hung Lee, Alexa Balmuth, and Joseph F. Coughlin <i>In: Design in Action, Publisher: INTELLECT, 2023</i>
	2023	Inclusive Retail Banking Service Design Under System-Theoretic Process Analysis Sheng-Hung Lee, Joseph F. Coughlin, and Eric Klopfer <i>In: Design in Action, Publisher: INTELLECT, 2023</i>
	2023	Inclusive Retail Experience Transformation under Causal Analysis Based on System Theory (CAST) Sheng-Hung Lee, Maria C. Yang, and Joseph F. Coughlin <i>In: Design in Action, Publisher: INTELLECT, 2023</i>
	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 <i>In: IxDC Growth, Publisher: Tsinghua University Press, 2022</i>
Articles in Refereed Conference Proceedings	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 <i>In: ICED23 and The Design Society—24th International Conference on Engineering Design: Design in a complex world</i>
	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 <i>In: ICED23 and The Design Society—24th International Conference on Engineering Design: Design in a complex world</i>
	2023	Retail Banking and Financial Service Under System Analysis Sheng-Hung Lee, Joseph F. Coughlin, and Eric Klopfer <i>In: Arte, entre paréntesis, December 19, 2022</i>
	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 <i>In: The 66th Human Factors and Ergonomics Society 2022</i>
	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 <i>In: Industrial Designers Society of America (IDSA)—International Design Conference (IDC)</i>
	2022	The Transformation of Design Platform Under System Thinking Sheng-Hung Lee, Maria C. Yang, Olivier L. de Weck, and Joseph F. Coughlin <i>In: Digital Research in the Humanities and Arts (DRHA) 2022—Digital Sustainability: From Resilience to Transformation</i>
	2022	Reshape Safe and Sustainable Makerspaces and Laboratories on Campus: An Experimental Study on Material Flow through Human-centered System Design Sheng-Hung Lee <i>In: Commons in Design by Swiss National Science Foundation and FHNW Academy of Art and Design Basel</i>
	2022	Evolving Ethics in Design Research: Reshaping Design Considerations for Product Designer Sheng-Hung Lee, Olivier L. de Weck, and Joseph F. Coughlin <i>In: Design Management Institute (DMI)—2022 Academic Design Management Conference: Design Management as a Strategic Asset</i>

- 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*
- 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*
- 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*
- 2021 **Carbon Neutrality in Makerspaces: Circular Makerspace Evaluation Toolkit (CMET)**
Sheng-Hung Lee
In: *Industrial Designers Society of America (IDSA)—International Design Conference (IDC)*
- 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*
- 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)*
- 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*
- 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*
- 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*
- 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)*
- 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*
- 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**
Sheng-Hung Lee, Chaiwoo Lee, John Rudnik, Chaiwoo Lee, Olivier L. de Weck, Joseph F. Coughlin, and Jonathan Chapman
In: *Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design*
- 2020 **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: *Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design*
- 2020 **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: *Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design*
- 2020 **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</i>
Work in Progress Research and Papers	2022	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>
Magazine Articles	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>
	2021	Revisiting My Self-Quarantine Experience through a Data-driven Approach Sheng-Hung Lee In: <i>Design Management Institute (DMI): Review</i>
	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>
	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>
	2020	Aloha — An Inspirational Trip at Hawaii Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i>
	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>
	2019	A Brief Discussion on Object-Process Methodology (OPM) and Design Thinking Approach Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i>
	2019	Inspiration from My Three-month Stay for the Designer in Residence Program in Germany Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i>
	2018	Design and Design Literacy in Everyday Life Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i>
	2018	A Preliminary Discussion on What Makes a Good Design Consultant? Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i>
	2018	Through Designers' Eyes — Design Inspirations from Daily Life Sheng-Hung Lee In: <i>Asia Designer Communication Platform (ADP)—Education Column</i>
	2018	Inspired by Collaborative Creativity Sheng-Hung Lee In: <i>Industrial Designers Society of America (IDSA)—Sketch Book</i>
	2016	TetraPOT — A Greener Sea Barrier Sheng-Hung Lee and Wan Kee Lee In: <INNOVATION> Fall 2016 — <i>Yearbook of Design Excellence by Industrial Designers Society of America (IDSA)</i>
	2016	Tetrapot Greener Sea Defense Creates Symbiosis Between Artificial and Natural Sea Defense Sheng-Hung Lee In: <i>Tuvie — Modern Industrial Design and Future Technology: Designs and Concepts (Green)</i>
	2012	Nursing Kit — First Aid with Flare Sheng-Hung Lee and Yu-Lin Chen In: <INNOVATION> Fall 2012— <i>Yearbook of Design Excellence by Industrial Designers Society of America (IDSA)</i>

- 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
- 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
- 2022 **Service Innovation Design of Lab Space: Space Service Experiment in MIT Laboratory**
实验室空间的服务创新设计：打造 MIT 实验室的空间服务体验
Sheng-Hung Lee
In: <DESIGN> 2022 Issue 18
- 2022 **Vision and Reflection of Design Education: MIT Morningside Academy for Design**
跨领域整合设计的反思与未来展望：麻省理工学院成立设计学院
Sheng-Hung Lee
In: <DESIGN> 2022 Issue 24
- 2021 **Understanding and Sharing of Designing Design Education**
对设计“设计教育”的理解和分享
Sheng-Hung Lee
In: <DESIGN> 2021 Issue 24
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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
- 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

- 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
- 2017 **The Inspiration of Design Competitions**
設計比賽帶給我的啟發
Sheng-Hung Lee
In: <DESIGN> 2017 Issue 20
- 2017 **Everyone is a Designer**
人人都是設計師
Sheng-Hung Lee
In: <DESIGN> 2017 Issue 16
- 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)
- 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)
- 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)
- 2019 **Explore Design Innovation in Daily Life**
探尋生活中的設計素養
Sheng-Hung Lee
In: *Design360°*
- 2019 **Observation and Reflection about Overdesign in Daily Life**
STOP! 設計過度了！
Sheng-Hung Lee
In: *Design360°*
- 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*
- 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*
- 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*
- 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*
- 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

Refereed Chinese
Articles in Edited
Books and Chapters

Chinese Articles for
Personal Column

Invited Talks and
Lectures

- In: *MOT TIMES*, May 25, 2020
- 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
- 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
- 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: *MIT Samberg Conference Center*
- 2022 **A Look into Design Leadership in MIT Laboratories**
Keynote Speaker
In: *World Design Organization (WDO), Virtual*
- 2022 **Harvard xDesign: Power in Teams**
Moderator
In: *Harvard xDesign Conference, USA*
- 2021 **Human-Centered System Design From Methodology to Implementation—Footwear for the Aging Population**
Keynote Speaker
In: *International Experience Design Conference (IxDC), China*
- 2021 **Harvard xDesign: Constructing Reality**
Moderator
In: *Harvard xDesign Conference, USA*
- 2021 **Make ToGather: Interaction Design Webinar + Workshop**
Lecturer with Ziyuan Zhu
In: *Massachusetts Institute of Technology—Independent Activities Period (IAP), USA*
- 2021 **Creative Problem-Solving: NEET (New Engineering Education Transformation) Way of Thinking**
Lecturer with Dr. Rea Lavi
In: *Massachusetts Institute of Technology—Independent Activities Period (IAP), USA*
- 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*
- 2020 **Translate Daily Innovation and Observation into Meaningful Designs**
Keynote Speaker
In: *SHiFT Design, USA*
- 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: <i>Exploded View Podcast, USA</i>
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>	
2018	Reimagine User's Future Learning Experience in Public Library Keynote Speaker In: <i>2018 MIX Innovation Conference, Taipei City, Taiwan</i>	
2018	Universal Design and Its Application in Life 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>	
2017	A Story Behind the Bar Speaker In: <i>IDEO Under the Influence, P.O.C. (China)</i>	
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>	
Articles for DesignWanted Personal Column	2023	A self-reflection on research ethics and design process Sheng-Hung Lee In: <i>DesignWanted, February 23, 2022</i>
	2022	From Brainstorming to Bodystorming: an applied ethnographic perspective to view co-creation workshops Sheng-Hung Lee In: <i>DesignWanted, December 28, 2022</i>
	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, September 8, 2022</i>
	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, July 15, 2022</i>
	2022	Computational design experiment for older adult's footwear Sheng-Hung Lee In: <i>DesignWanted, April 15, 2022</i>
Articles for MIT AgeLab Blog	2022	Reshaping financial planning through a co-creation workshop Sheng-Hung Lee In: <i>MIT AgeLab, November 17, 2022</i>
	2022	Transformative Service Innovation and Design: From Touch Points to Data Points Sheng-Hung Lee In: <i>MIT AgeLab, July 15, 2022</i>
	2022	Creative teaching in a course on aging: a designer's perspective Sheng-Hung Lee In: <i>MIT AgeLab, April 1, 2022</i>
Design Exhibitions	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

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
 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	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>
	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>
	2017	Design with Plants Project: TetraPOT was reported by Domus In: <i>Domus — Category of Design/Nature</i>
	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>
	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>
	2016	TetraPOT is a greener alternative to concrete coastal defences Project: TetraPOT was reported by Emma Tucker In: <i>Dezeen</i>
	2015	Toilet Paper with a Twist Project: Toilet Paper Roll Redesign was reported by Tory Turner In: <i>Yanko Design</i>

- 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: *Thames & Hudson*
- 2012 **A First Aid Kit That Is Easy to Reach, Hard to Forget**
Project: Nursing Kit was reported by IDSA
In: *Industrial Designers Society of America (IDSA)*
- 2012 **BraunPrize 2012 Shortlisted Projects Collection**
Project: Nursing Kit was covered in the book
In: *Braun Design*
- 2012 **red dot design concept yearbook 2012/2013**
Project: FANs Cam was covered in the book edited by Ken Koo
In: *red dot edition*
- 2012 **Taipei Design Code**
Project: Nursing Kit was covered in the book
In: *Department of Information & Tourism, Taipei Municipal Government*
- 2012 **Voice Memo with Benefits**
Project: Vmo was reported by Radhija Seth
In: *Yanko Design*
- 2012 **A Different Camera Perspective**
Project: FANs Cam was reported by Radhija Seth
In: *Yanko Design*
- 2012 **Sporty Spacecraft**
Project: Speedform was reported by Tory Turner
In: *Yanko Design*
- 2012 **Game Sight Blocked? Award-winning Miniature Camera Solves the Problem**
Project: FANs Cam was reported by NCKU News Center
In: *National Cheng Kung University (NCKU) News Center*
- 2012 **NCKU Students' First-aid Kit Shines in International Design Contests**
Project: Nursing Kit was reported by NCKU News Center
In: *National Cheng Kung University (NCKU) News Center*
- 2012 **NCKU Students Design PhotoTalk Connects Emotion Beyond Time**
Project: PhtotTalk was reported by NCKU News Center
In: *National Cheng Kung University (NCKU) News Center*
- 2011 **NCKU Whiz Kid Constant Winner of Design Awards**
Project: Nursing Kit was reported by NCKU News Center
In: *National Cheng Kung University (NCKU) News Center*
- 2011 **red dot design concept yearbook 2011/2012**
Project: Nursing Kit was covered in the book edited by Ken Koo
In: *red dot edition*
- 2011 **The Fire Mix!**
Project: Fire Formula was reported by Radhija Seth
In: *Yanko Design*
- 2011 **It's a Guy Thing, Shhhh!**
Project: Condom Cap was reported by Radhija Seth
In: *Yanko Design*
- 2010 **First Aid First**
Project: Nursing Kit was reported by Radhija Seth
In: *Yanko Design*
- 2010 **32nd International Young Designers' Exhibition (YODEX) Yearbook**
Project: Nursing Kit was covered in the book
In: *Ministry of Economic Affairs, Taiwan*
- 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: *Fun Design: 10YearChallenge Column*

- 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: *Vide*
- 2017 **Sheng-Hung Lee: Social Impact through Design**
李盛弘：影·响·力
Interviewed and Written by Narkii.com
In: *Narkii.com*
- 2016 **TetraPOT: Sea Defense to Save Ecology**
海上防禦 拯救生態
Interviewed and Written by Chen Yongen
In: *One Media Group*
- 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: *Jiemian*
- 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: *Commonwealth Publishing Co., Ltd*
- 2010 **Design 100 COOL II**
酷設計 100 II
Project: Nursing Kit was covered in the book
In: *Cheers*

Additional Training

- 2021 **Structural Materials: Selection and Economics**
edX Credential ID: 0dee7706d95f4e568753b3ef6fc6551c
- 2020 **MBSE101: Model-Based Systems Engineering with OPM: Foundations**
edX Credential ID: 6d25ba2eebe34ef9847755532436cc5f
- 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: 5NC74JEF CGDE
- 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
- 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

