

Sheng-Hung Lee

shdesign@mit.edu
https://www.shenghunglee.com/
+1 617-335-7115

Graduate Tower at Site 4, Apt. 824,
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.

Education	2022–2025 (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 [link] Ph.D. Researcher and Designer – Project Smart Home for the Aging Population – MIT AgeLab Website Design Team
	2022–2022	MIT Governance Lab (MIT GOV/LAB), Cambridge, USA [link] Curriculum Designer – Governance Innovation
	2020–Present	MIT Ideation Lab, Cambridge, USA [link] Ph.D. Researcher and Designer
	2019–2021	MIT xPRO, Cambridge, USA Research Assistant and Curriculum Experience Designer – Co-designed MIT xPRO Systems Thinking course and toolkit with Prof. Edward F. Crawley
	2021–2022	MIT Office of Sustainability, Cambridge, USA [link] Safe and Sustainable Lab Fellow and Designer – Research Paper published by World Design Organization (WDO) Research and Education Forum (2022) – Poster Paper published by Digital Research in the Humanities and Arts (DRHA) (2022) – Research Paper published by IDC and Industrial Designers Society of America (IDSA) (2021) – Conducted ethnographic research working with Dr. Julie Newman, Director of MITOS (2021) – Worked on the research topic: Safe and Sustainable Lab: Disposable Material Flow (2021)
	2023–Present	Moholy-Nagy University of Art and Design (MOME) Social Design Hub, Budapest, Hungary Visiting Research Fellow – Worked on the research topic: Design for Longevity x FRUSKA from September 1 st , 2023 to March 31 st , 2024 – Collaborated with MIT AgeLab and MOME Innovation Center Social Design Hub

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

		<ul style="list-style-type: none"> – WDO Education Committee (2023) – WDO Board Director Candidate (2022) – Research Paper published by WDO Research and Education Forum (2022) – WDO World Industrial Design Day Speaker (2022, 2021) – WDO Young Designers Circle Ambassador (2020)
2012–Present		<p>Industrial Designers Society of America (IDSA)</p> <ul style="list-style-type: none"> – 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	<p>IDEO</p> <p>Industrial Designer and Electrical Engineer</p> <ul style="list-style-type: none"> – Clients: NIKE, Procter & Gamble, Tsinghua University MBA program, Vichy, China Resources Land Limited, Fofite
	2014–2015	<p>Continuum</p> <p>Industrial Designer and Design Strategist</p> <ul style="list-style-type: none"> – Clients: Rubbermaid, Bank of China, UCAR Inc
	2019–2019	<p>EMMA Creative Center Pforzheim, Germany</p> <p>Designers in Residence (Industrial Design)</p> <ul style="list-style-type: none"> – Project: Small Things with Big Heart
Design Award Jury	2024	Ukrainian Design Award Jury — Product Design
	2023	International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics
	2022	Australian Good Design Awards — Next Gen Category
	2022	International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics
	2022	Golden Pin Design Award Jury — Concept Design
	2021	Australian Good Design Awards — Next Gen Category
	2021	Rethinking The Future (RTF) Design Awards
	2020	Spark Design Award Jury — Design Concept and Student Category
	2020	International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics
	2020	Ukrainian Design Award Jury — Product Design
	2019	LITE-ON Award Jury — Design Category
	2019	Ukrainian Design Award Jury — Industrial Design
	2019	International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics
	2018	International Design Excellence Awards (IDEA) Jury — Industrial Design
	2018	International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics
	2018	Spark Design Award Jury — Product Design and Design Concept
	2018	Ukrainian Design Award Jury — Environmental Design
	2018	Red Star Design Award Jury — Product and Service Design
	2018	Golden Pin Design Award Jury — Product Design
	2017	Taihu Design Award Jury — Product and Industrial Design
	2017	International Design Excellence Awards (IDEA) Jury - Industrial Design
	2017	A' Design Award & Competition Jury — Product and Industrial Design
	2017	Ukrainian Design Award Jury — Industrial Design
	2016	Spark Design Award Jury — Maker and Design Concept
	2016	International Design Awards Jury — Architectural, Interior, Product, Fashion and Graphics
	2016	Golden Pin Design Award Consultant — Design Concept
Books	2025	<p>Design for Longevity: People, Product, Process, and Platform</p> <p>Sheng-Hung Lee</p> <p><i>Published by Springer Science + Business Media in 2025</i></p>
	2019	<p>Design Consciousness — Small Things with Big Heart</p> <p>Sheng-Hung Lee</p> <p><i>Sponsored by EMMA Creative Center Pforzheim Designers in Residence Scholarship and Program [website]</i></p>
	2017	<p>IDSA Blueprint in Asia</p>

		Sheng-Hung Lee Sponsored by Industrial Designers Society of America (IDSA) [website]
Books Translation	2023	Dieter Rams: The Complete Works Authors: Klaus Klemp and Dieter Rams Translator: Sheng-Hung Lee EN version published by Phaidon Press [book ISBN: 9781838661533] CH version published by Faces Publications [webpage book pdf ISBN: 9786263153691]
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, vol 29</i> . Springer, Cham. https://doi.org/10.1007/978-3-031-29306-1_4 [chapter article pdf]
	2022	A Preliminary Discussion of Human-Centered System Design from Theory to Application: Use Smart Footwear Design for an Aging Population as an Example Sheng-Hung Lee In: <i>IxDC Growth</i> , Publisher: Tsinghua University Press, ISBN: 9787302611639
Journal Paper	2024	Touch: The Allure of Tangible Design Sheng-Hung Lee In: <i>INNOVATION</i> , Spring 2024 [journal pdf]
	2024	Transformation by Human-Centered System Design Sheng-Hung Lee In: <i>Design Management Institute (DMI): Review Issue, Vol. 35, No. 1</i> [journal pdf website pdf]
	2024	Design for Longevity: People, Process, and Platform Sheng-Hung Lee and Andreas Sicklinger In: <i>diid disegno industriale industrial design, No. 82, 2024</i> [journal pdf]
	2024	Prototyping future visions of vulnerable youth through design for longevity and gender equity Janka Csernák and Sheng-Hung Lee In: <i>diid disegno industriale industrial design, No. 82, 2024</i> [journal pdf]
	2024	A Taxonomy of Home Automation: Expert Perspectives on the Future of Smarter Homes Shabnam FakhrHosseini, Chaiwoo Lee, Sheng-Hung Lee , and Joseph Coughlin In: <i>Information Systems Frontiers, July, 8, 2024</i> [journal pdf]
	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, October, 24, 2023</i> [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, Vol. 2, No. 15</i> [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]

- 2024 **Shaping a Longevity Service Through Visual, Tangible, Cultural, and Social Artifacts**
Sheng-Hung Lee
In: *Rau, P.L.P. (eds) Cross-Cultural Design. HCII 2024. Lecture Notes in Computer Science, vol 14699. Springer, Cham.*
[[conf](#) | [pdf](#)]
- 2024 **Design Attributes for Tech- or Touch-based Longevity Services: AI-Empowered Analysis**
Sheng-Hung Lee, Joseph F. Coughlin, Maria Yang, and Sofie Hodara
In: *Design Management Institute (DMI)—2024 Academic Design Management Conference: Design & Innovation at a Crossroad, Delft, Netherlands, 2024* [[conf](#) | [pdf](#)]
- 2024 **Design for Longevity Literature Review in Product Lifecycle, Financial Planning, and Gerontology**
Sheng-Hung Lee, Joseph F. Coughlin, Sofie Hodara, Maria Yang, Olivier L. de Weck, Eric Klopfer, and John Ochsendorf
In: *Design Research Society (DRS)—Resistance, Recovery, Reflection, Reimagination, USA, 2024* [[conf](#) | [pdf](#)]
- 2024 **Enhancing Financial Education for Longevity through Service Design**
Sheng-Hung Lee, Joseph F. Coughlin, Sofie Hodara, and Maria Yang
In: *Design Research Society (DRS)—Resistance, Recovery, Reflection, Reimagination, USA, 2024* [[conf](#) | [pdf](#)]
- 2023 **Longevity Planning Service Across Immersive Technologies**
Sheng-Hung Lee, Sofie Hodara, Maria Yang, and Joseph F. Coughlin
In: *Leaving Nothing Behind Conference at University of Bologna, Italy, 2023* [[conf](#) | [pdf](#)]
- 2023 **Designing Healthcare Services for Longevity**
Sheng-Hung Lee, Sofie Hodara, Joseph F. Coughlin, Maria Yang, Yu-Chen Chen, Yan-Chun Lin, Shyh-Nan Liou
In: *Cumulus Beijing 2023, Central Academy of Fine Arts, Beijing, China, 2023* [[conf](#) | [pdf](#)]
- 2023 **Designing Longevity Planning Blocks through Experimental Participatory Observation and Interviews**
Sheng-Hung Lee, Joseph F. Coughlin, Alexa Balmuth, Chaiwoo Lee, Lauren Cerino, Maria Yang, Eric Klopfer, Olivier L. de Weck, and John Ochsendorf
In: *International Association of Societies of Design Research (IASDR) Congress 2023 — Life-changing Design, Milan, Italy, 2023* [[conf](#) | [pdf](#)]
- 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 Fakhr-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 FakhrHosseini, Chaiwoo Lee, **Sheng-Hung Lee**, Lauren Cerino, and Joseph Coughlin
In: *The 67th Human Factors and Ergonomics Society 2023, Washington, DC, USA, 2023* [[conf](#) | [pdf](#)]
- 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	<p>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: <i>Human-Computer Interaction (HCI) International 2021, virtual, 2021</i> [conf pdf]</p>
2021	<p>Applying a System Engineering Approach to the Early Stage of Product Design Sheng-Hung Lee, Olivier L. de Weck, and Joseph F. Coughlin In: <i>The 8th Bandung Creative Movement Conference, virtual, 2021</i> [conf pdf]</p>
2021	<p>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: <i>The 8th Bandung Creative Movement Conference, virtual, 2021</i> [conf pdf]</p>
2021	<p>User Needs of Smart Home Services Shabnam FakhrHosseini, Sheng-Hung Lee, John Rudnik, Heesuk Son, Chaiwoo Lee, Joseph F. Coughlin In: <i>Proceedings of the Human Factors and Ergonomics Society Annual Meeting, virtual, 2021</i> [conf pdf]</p>
2020	<p>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: <i>Industrial Designers Society of America (IDSA)—International Design Conference (IDC), virtual, 2020</i> [video pdf]</p>
2020	<p>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: <i>Design Management Institute (DMI)—Academic Design Management Conference: Impact the Future by Design, virtual, 2020</i> [video pdf]</p>
2020	<p>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: <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 Fakhrhosseini, 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	<p>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></p>
DesignWanted Column	<p>2024 Reimagining gym experiences: LongevityTech health service innovation Sheng-Hung Lee and Sofie Hodara In: <i>DesignWanted, July 31, 2024</i> [article pdf] Number of shares from DesignWanted website: n/a</p>
	<p>2024 Navigating the New Design frontier: AI’s role in transforming creative processes Sheng-Hung Lee In: <i>DesignWanted, June 7, 2024</i> [article pdf]</p>

- Number of shares from DesignWanted website: **n/a**
- 2024 **Expanding horizons: the evolution of user experience spaces**
Sheng-Hung Lee
In: *DesignWanted*, May 5, 2024 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **n/a**
- 2024 **Using boundary objects for enhanced design perspectives and insights**
Sheng-Hung Lee
In: *DesignWanted*, March 25, 2024 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **40**
- 2024 **Design for Vulnerability (D4V): Adaptability, Artifacts, and Apprehension**
Sheng-Hung Lee
In: *DesignWanted*, February 2, 2024 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **46**
- 2023 **From Post-it notes to solutions. From artificial intelligence to anticipating intelligence.**
Sheng-Hung Lee
In: *DesignWanted*, December 22, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **83**
- 2023 **Industrial Design Paradigm Shift: Reflection on Translating Dieter Rams Portfolios**
Sheng-Hung Lee
In: *DesignWanted*, November 2, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **43**
- 2023 **What makes a design conference go from informative to inspiring?**
Sheng-Hung Lee
In: *DesignWanted*, September 11, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **108**
- 2023 **Building an AgeTech City: Services, Community, and Technology**
Sheng-Hung Lee
In: *DesignWanted*, July 14, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **131**
- 2023 **Design for simulation: how to project your future self?**
Sheng-Hung Lee
In: *DesignWanted*, May 31, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **71**
- 2023 **Design for Longevity: Service, Systems, and Sustainability**
Sheng-Hung Lee
In: *DesignWanted*, April 12, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **102**
- 2023 **A self-reflection on research ethics and design process**
Sheng-Hung Lee
In: *DesignWanted*, February 23, 2023 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **57**
- 2022 **From Brainstorming to Bodystorming: an applied ethnographic perspective to view co-creation workshops**
Sheng-Hung Lee
In: *DesignWanted*, 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: *DesignWanted*, 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: *DesignWanted*, 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: *DesignWanted*, April 15, 2022 [[article](#) | [pdf](#)]
Number of shares from DesignWanted website: **167**

- 2023 **Design for Longevity: Life-Centered Design**
Sheng-Hung Lee
In: *MIT AgeLab*, August 2, 2023 [[article](#) | [pdf](#)]
- 2022 **Reshaping financial planning through a co-creation workshop**
Sheng-Hung Lee
In: *MIT AgeLab*, November 17, 2022 [[article](#) | [pdf](#)]
- 2022 **Transformative Service Innovation and Design: From Touch Points to Data Points**
Sheng-Hung Lee
In: *MIT AgeLab*, July 15, 2022 [[article](#) | [pdf](#)]
- 2022 **Creative teaching in a course on aging: a designer's perspective**
Sheng-Hung Lee
In: *MIT AgeLab*, April 1, 2022 [[article](#) | [pdf](#)]

- 2023 **Technology Intersects Design: Meet the Visionary Leader of Multidisciplinary Excellence**
Sheng-Hung Lee
In: *Design Decode* [[article](#) | [pdf](#)]
- 2022 **What I Wish I'd Learnt in College: People Skills, Empathy Building and Storytelling**
Sheng-Hung Lee
In: *World Design Organization (WDO): design 360* [[article](#) | [pdf](#) | [website pdf](#)]
- 2021 **Back to Basics: Communication Skills for Virtual Interviews**
Sheng-Hung Lee
In: *<INNOVATION> Summer 2021—Academia 360 Column by Industrial Designers Society of America (IDSA)* [[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—Education Interrupted by Industrial Designers Society of America (IDSA)* [[video](#) | [pdf](#)]
- 2020 **My D Journey with Industrial Designers Society of America (IDSA)**
Sheng-Hung Lee
In: *Industrial Designers Society of America (IDSA)—National Industrial Design Day* [[article](#) | [pdf](#) | [website pdf](#)]
- 2020 **Aloha — An Inspirational Trip at Hawaii**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[article](#) | [pdf](#) | [website pdf](#)]
- 2019 **A Design Sprint Project Reflection — Revisiting Teamwork from the Lens of Kano Model**
Sheng-Hung Lee
In: *Asia Designer Communication Platform (ADP)—Education Column* [[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 **AI-enhanced Double Diamond Model: A Refined Approach**
从人工智能到人工智慧
Sheng-Hung Lee
In: *<DESIGN> 2024 Issue 37* [[journal](#) | [pdf](#)]
- 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**
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* [[journal](#) | [pdf](#)]
- 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* [[journal](#) | [pdf](#)]
- 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* [[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](#)]
- 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**

Refereed Chinese
 Articles in Edited
 Books and Chapters

	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: <i>Design360°</i> [article pdf]
	2019 Observation and Reflection about Overdesign in Daily Life STOP! 設計過度了! Sheng-Hung Lee In: <i>Design360°</i> [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: <i>MOT TIMES</i> , 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: <i>MOT TIMES</i> , 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: <i>MOT TIMES</i> , 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: <i>MOT TIMES</i> , 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: <i>MOT TIMES</i> , 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: <i>MOT TIMES</i> , 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: <i>MOT TIMES</i> , December 11, 2019 [article pdf]
Invited Talks and Lectures	2024 Designing for Longevity with Sheng-Hung Lee: Embracing AI, Empathy, and Growth Podcast Speaker interviewed by Gerry Scullion In: <i>The Human Centered Design Podcast</i> , July 3, 2024 [website YouTube pdf]
	2024 Empathy-Driven Approach to Design Research and Service Innovation Keynote Speaker of Exploring Design Methods invited by the IDSA Boston In: <i>Boston Public Library - Central Library</i> , June 22, 2024
	2024 Design for Longevity and Service Innovation Keynote Speaker of Bandung Creative Movement 2024: Cultivating Global Collaboration in Arts, Design, and Humanities for Sustainable Creative Industries In: <i>Bandung Creative Movement 2024</i> , June 6, 2024 [website pdf]
	2024 LongevityTech and Service Design Guest Panelist invited by Silicon Valley Global Prospects Summit (SVGPS)

- In: *Global Prospects Summit & Startup Pitches: People Behind AI and Macroeconomic Trends, June 1, 2024* [[website](#)]
- 2024 **Design for Longevity: An Empathic Service Design Framework**
Keynote Speaker of Emerging Solutions for Empathic Service Design
In: *Finnish-American Research and Innovation Accelerator (FARIA) & Empathy Business Online Workshop, May 28, 2024* [[website](#) | [pdf](#)]
- 2024 **Biodesign for the Ages: Redesigning R&D**
Episode panelist invited by Divya Gopalan
In: *TaiwanPlus, May 27, 2024* [[website](#)]
- 2024 **Design for Longevity and Service Innovation**
Keynote speaker invited by Prof. Angela Giambattista at P/References of Design, Cumulus conference Budapest 2024
In: *Cumulus Working Group DEHA (DEsign for Health, Aging and wellbeing), May 16, 2024* [[website](#)]
- 2024 **AI, Artistry, and Authorship: A Technological-Cultural Tapestry**
Guest Panelist invited by Brown University China Summit 2024: Forward Focus
In: *Brown University China Summit 2024: Forward Focus, March 16, 2024* [[website](#)]
- 2023 **My Purpose-Driven Creative Journey at MIT**
Chinese Podcast Speaker interviewed by Allen Chang, Co-Founder of A+2 Video Production
In: *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**
Podcast 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](#)]
- 2017 **A Story Behind the Bar**
Speaker
In: *IDEO Under the Influence, P.O.C. (China)* [[website](#)]
- 2017 **Introduction and Inspiration from CMF of Product Design**
Lecturer and Workshop Facilitator
In: *Tsinghua University—Academy of Arts & Design, P.O.C. (China)*
- 2017 **International Artificial Intelligence and Industrial Design Trend**
Speaker and Panel Discussion
In: *China (Wuxi) International Design Expo, P.O.C. (China)*

Design Exhibitions

- 2024 Red Dot Design Museum Xiamen: Social Design Action — Project: Design for Longevity [[pdf](#)]
- 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 [[link](#) | [pdf](#)]
- 2021 International Design Awards, Gold — Design For Society & Design for Public Awareness
- 2021 International Design Awards, Silver — Education & Teaching Aids
- 2021 Spark Award, Bronze — Product, industrial, and Service, Student
- 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	2024	Navigating longevity with industry leaders at MIT AgeLab PLAN Forum Project: Design for Longevity Research and Design In: <i>MIT News</i> , May 16, 2024 [article website pdf]
	2023	Sheng-Hung Lee Designing Tomorrow's Society Project: Sheng-Hung Lee's Design Portfolios In: <i>Homa Design Magazine</i> #3, October, 2023 [article pdf website pdf]
	2023	Sheng-Hung Lee Presents Longevity Planning Blocks for FPA 2023 Annual Conference Project: Longevity Planning Block Design for Inclusive Financial Planning Services In: <i>MIT AgeLab</i> [article pdf]
	2023	Sheng-Hung Lee Presents on Design for Longevity at Venice Innovation Design Conference Project: Design for Longevity (D4L): Sustainable Life-Centered Services In: <i>MIT AgeLab</i> [article pdf]
	2023	Venice and urban regeneration: the ideas of Mario Cucinella and Sheng-Hung Lee (MIT) Project: Design for Longevity (D4L): Sustainable Life-Centered Services In: <i>La Repubblica</i> [article pdf]
	2023	VID 2023: forward-thinking projects and talks on innovation and sustainability Project: Design for Longevity (D4L): Sustainable Life-Centered Services In: <i>DesignWanted — Design Events</i> [article pdf]
	2022	Students imagine better products, services, and infrastructure for an aging society Project: MIT Course—Global Aging and the Built Environment (11.547J/SCM.287J) In: <i>MIT News</i> , June 6, 2022 [article website pdf]
	2020	From a super-tough incubator to a pillow that turns off the internet, Global Grad Show highlights design innovations Project: Tube 7 — Modular Lamp Design was reported by Stephanie Bailey In: <i>CNN — Style</i> [article pdf]
	2020	'Quarantent' and 'Farewell Suit' among the designs in a global competition to fight coronavirus Project: Fresh Tracker — A System for Smart Food Stocking was reported by Kieron Monks In: <i>CNN — Style</i> [article pdf]
	2017	Design with Plants Project: TetraPOT was reported by Domus In: <i>Domus — Category of Design/Nature</i> [article]
	2016	Fighting Coastal Erosion with The Power of Mangroves: The Concrete Tetrapod Gets a Green Makeover Project: TetraPOT was reported by Kat Bauman In: <i>Core77</i> [article]
	2016	These Pots Are Designed to Create Mangrove Forests That Will Protect Our Beaches Project: TetraPOT was reported by Adele Peters In: <i>Fast Company</i> [article]
	2016	TetraPOT is a greener alternative to concrete coastal defences Project: TetraPOT was reported by Emma Tucker In: <i>Dezeen</i> [article pdf]
	2015	Toilet Paper with a Twist Project: Toilet Paper Roll Redesign was reported by Tory Turner In: <i>Yanko Design</i> [article pdf]
	2014	Designing Here/Now: A global selection of objects, concepts and spaces for the future Project: Nursing Kit and Project: FANs Cam were covered in the book In: <i>Thames & Hudson</i> [book pdf]
2012	A First Aid Kit That Is Easy to Reach, Hard to Forget Project: Nursing Kit was reported by IDSA In: <i>Industrial Designers Society of America (IDSA)</i> [pdf]	
2012	BraunPrize 2012 Shortlisted Projects Collection Project: Nursing Kit was covered in the book In: <i>Braun Design</i> [pdf]	
2012	red dot design concept yearbook 2012/2013 Project: FANs Cam was covered in the book edited by Ken Koo	

- In: *red dot edition*
- 2012 **Taipei Design Code**
Project: Nursing Kit was covered in the book
In: *Department of Information & Tourism, Taipei Municipal Government* [[book](#) | [pdf](#)]
- 2012 **Voice Memo with Benefits**
Project: Vmo was reported by Radhija Seth
In: *Yanko Design* [[article](#) | [pdf](#)]
- 2012 **A Different Camera Perspective**
Project: FANs Cam was reported by Radhija Seth
In: *Yanko Design* [[article](#) | [pdf](#)]
- 2012 **Sporty Spacecraft**
Project: Speedform was reported by Tory Turner
In: *Yanko Design* [[article](#) | [pdf](#)]
- 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* [[article](#) | [pdf](#)]
- 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* [[article](#) | [pdf](#)]
- 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* [[article](#) | [pdf](#)]
- 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* [[article](#) | [pdf](#)]
- 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* [[article](#) | [pdf](#)]
- 2011 **It's a Guy Thing, Shhhh!**
Project: Condom Cap was reported by Radhija Seth
In: *Yanko Design* [[article](#) | [pdf](#)]
- 2010 **First Aid First**
Project: Nursing Kit was reported by Radhija Seth
In: *Yanko Design* [[article](#) | [pdf](#)]
- 2010 **32nd International Young Designers' Exhibition (YODEX) Yearbook**
Project: Nursing Kit was covered in the book
In: *Ministry of Economic Affairs, Taiwan*
- Chinese Interviews and Articles
- 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* [[article](#) | [pdf](#)]
- 2018 **Sheng-Hung Lee, the Only International Design Excellence Awards (IDEA) Jury from Asia: As a Designer, What You Need to Care is Beyond What You See**
美國國際設計傑出獎 (IDEA) 唯一亞洲評審李盛弘：作為設計師·你心裡關心的東西·要遠超過眼睛看到的
Interviewed and Written by Brian Deng
In: *Vide* [[article](#) | [pdf](#)]
- 2017 **Sheng-Hung Lee: Social Impact through Design**
李盛弘：影·响·力
Interviewed and Written by Narkii.com
In: *Narkii.com* [[article](#) | [pdf](#)]
- 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* [[article](#) | [pdf](#)]
- 2016 **【1/4 Life Winner】 IDEO Designer Sheng-Hung Lee's Seven-Year Learning Journey in College**
【1/4 人生贏家】這位 IDEO 設計師是一位本科讀了七年的真學霸
Interviewed and Written by Lin Ziren
In: *Jiemian* [[article](#) | [pdf](#)]
- 2013 **Modern Da Vinci, Bridge the World through Design**
現代達文西 · 與世界對話
Interviewed and Written by Wu Simin
In: *Commonwealth Publishing Co., Ltd* [[article](#) | [pdf](#)]
- 2010 **Design 100 COOL II**
酷設計 100 II
Project: Nursing Kit was covered in the book
In: *Cheers* [[book](#) | [pdf](#)]

Additional Training

- 2021 **Structural Materials: Selection and Economics**
edX Credential ID: 0dee7706d95f4e568753b3ef6fc6551c
- 2020 **MBSE101: Model-Based Systems Engineering with OPM: Foundations**
edX Credential ID: 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: 5NC74JEFCGDE
- 2019 **Creative Writing: The Craft of Style**
Coursera Credential ID: JSYAWR69VZLA
- 2019 **Creative Writing: The Craft of Character**
Coursera Credential ID: TJTC2HDLQKB9
- 2019 **Creative Writing: The Craft of Plot**
Coursera Credential ID: BVZG76TPX5N4
- 2015 **Entrepreneurship: Launching an Innovative Business Specialization**
Coursera Credential ID: DRWBGJKJ3RKH
- 2015 **Innovation for Entrepreneurs: From Idea to Marketplace**
Coursera Credential ID: F8KGF8AZ5H
- 2015 **New Venture Finance: Startup Funding for Entrepreneurs**
Coursera Credential ID: RYGLRBPM5R
- 2014 **An Introduction to Consumer Neuroscience & Neuromarketing**
Coursera Credential ID: ACC5GFS8HX
- 2014 **An Introduction to Marketing**
Coursera Credential ID: 66CAY2J6TG
- 2014 **Developing Innovative Ideas for New Companies: The First Step in Entrepreneurship**
Coursera Credential ID: 3KEKEKMNXF
- 2014 **Internet History, Technology, and Security**
Coursera Credential ID: DJCXZX6VVY
- 2013 **Creative, Serious and Playful Science of Android Apps**
Coursera Credential ID: KAH9G8WGCF