Longevity Planning Block Design for Inclusive Financial Planning Services

Human Behavior and Service Design

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FPA Annual Conference 2023

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Speaker

Sheng-Hung Lee Designer, MIT AgeLab



FPA Annual Conference 2023 September 27-29

Phoenix, Ariz.



Director, MIT AgeLab









How do you better prepare for your longevity?



Maintaining a good quality of life in later years relies on strategic financial planning

Literature Reviews

Human Behavior and Service Design

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Longevity planning framework 1 (Houston, 2014)

Financial Security: Longevity Changes Everything

Product-centered

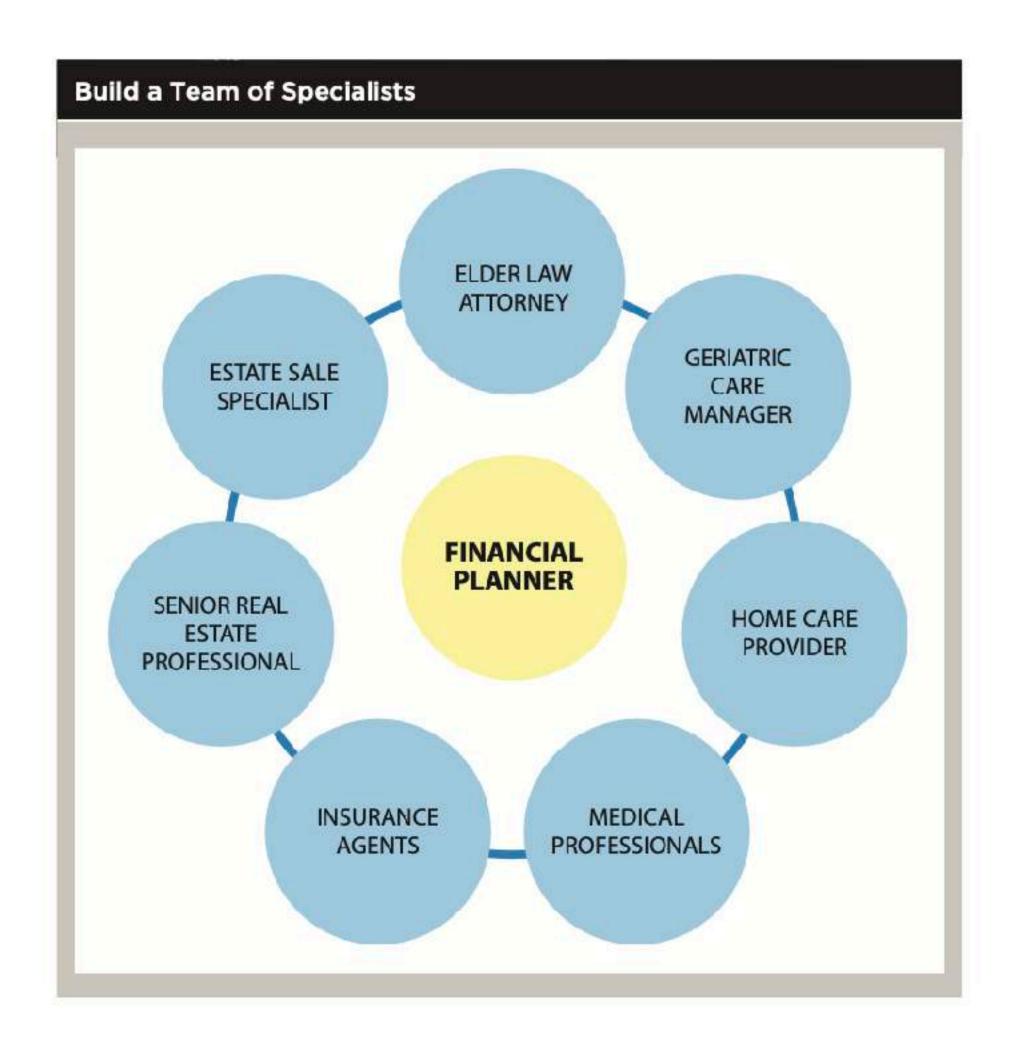


Figure 14.1 The Retirement Ecosystem

Longevity planning framework 4 (Mauterstock, 2020)

Making the Transition from Financial Planning to Longevity Planning

Advisor-centered



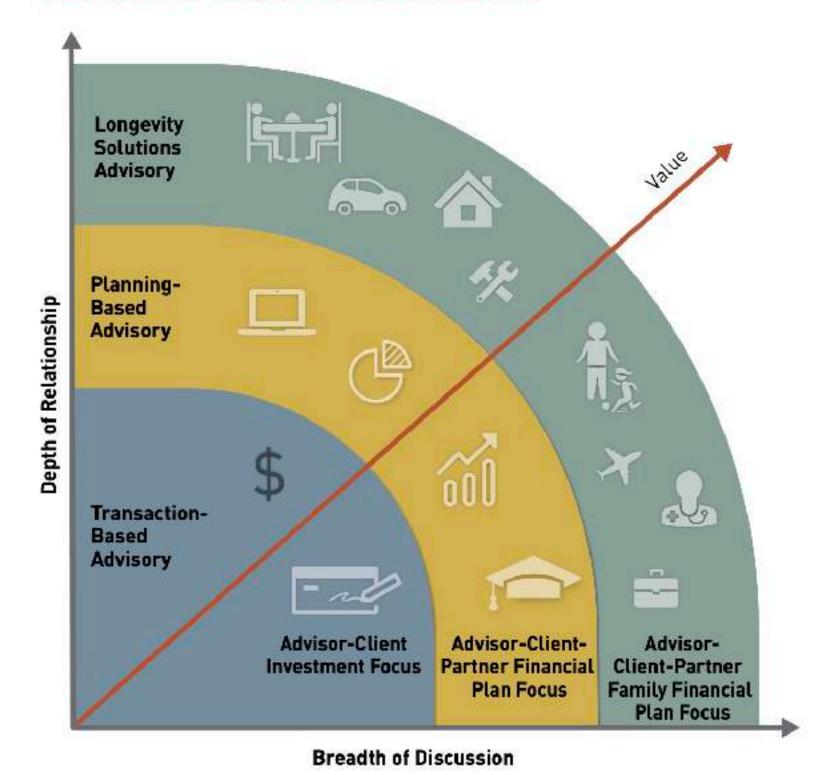
• Making the Transition from Financial Planning to Longevity Planning (Mauterstock, 2020)

Longevity planning framework 3 (Coughlin, 2019)

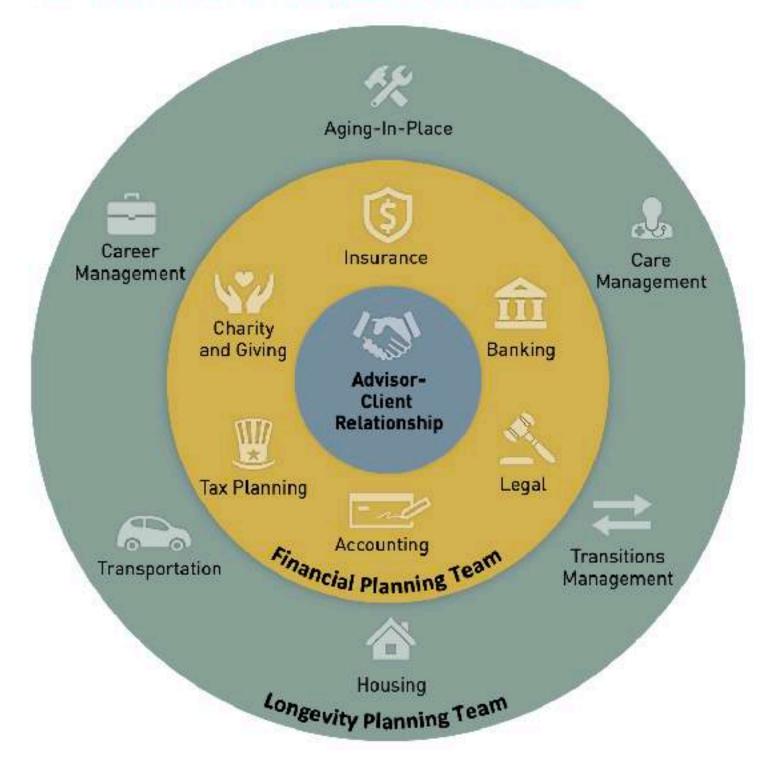
Planning for 8,000 Days of Retirement: Advisor Value in Today's Longevity Economy

Relationship-centered

THE ADVISOR-VALUE CONTINUUM MODEL



LONGEVITY PLANNING ADVISORY TEAM MODEL



Longevity planning framework 2 (Hasling and Ræbild, 2017)

Sustainability Cards: Design for Longevity

Product scale



Figure 6. The six Design for Longevity categories: Material, Production, Transport and Retail, Practice and Use, Recovery, and Design and Concept in relation to a product life cycle.

Longevity planning framework 5 (Wang, Sierra Huertas., et al, 2021)

Rethinking the urban physical environment for century-long lives: from age-friendly to longevity-ready cities

Experience scale

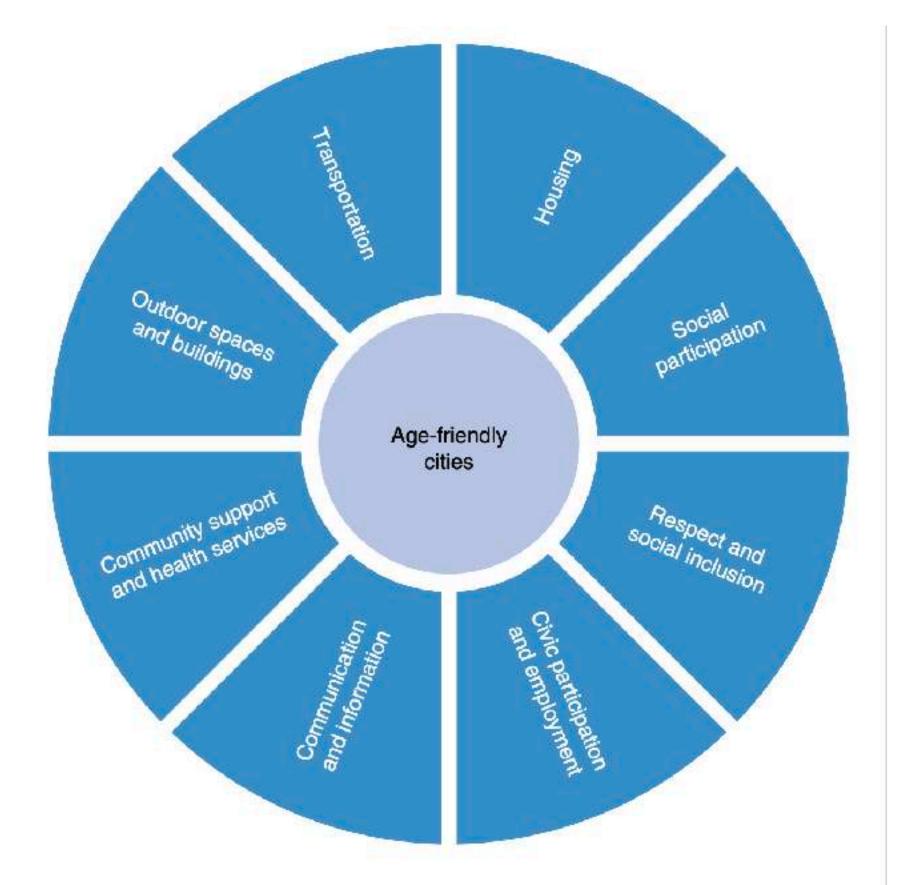


Fig. 1 | **Eight interconnected domains of the WHO's age-friendly cities framework.** These domains reflect different aspects of urban physical environments, social environments, culture, and health and social services. Adapted from ref. ⁴.

• Rethinking the urban physical environment for century-long lives: from age-friendly to longevity-ready cities (Wang, Sierra Huertas., et al, 2021)

Longevity planning framework 6 (Carlsson, Mallalieu, et al, 2021)

Design for Longevity: A Framework to Support the Designing of a Product's Optimal Lifetime

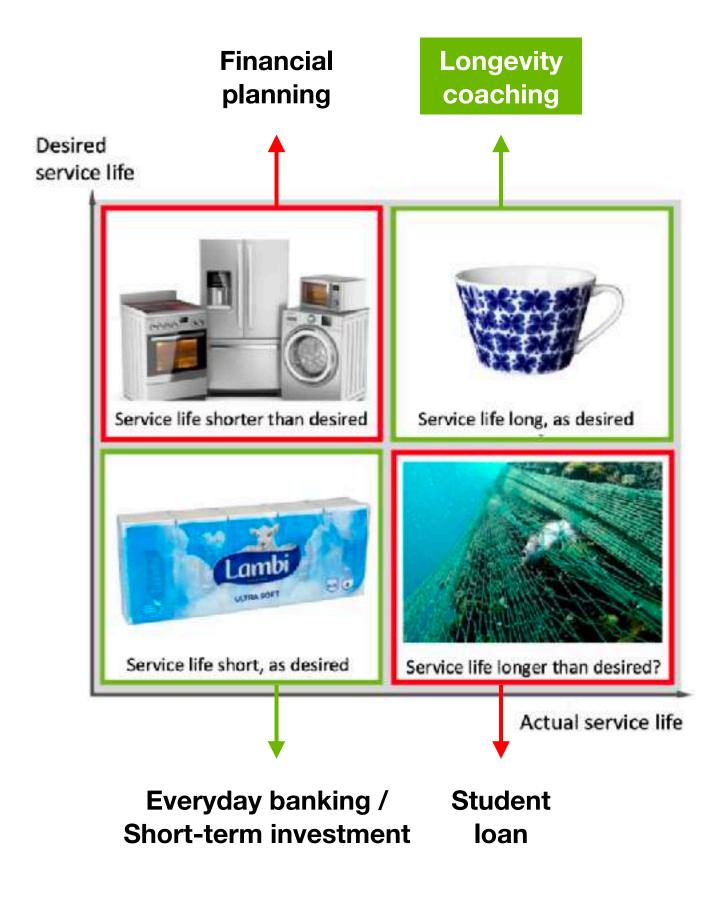
Desired service life Service scale **Design for Longevity Mindset** Knowledge of optimal longevity and design changes to apply, thus how to implement mindset Design for Disand Reassemble Design for Contextual factors Design for Standardization Attachment and **Actual service life** and Trust User Compatibility How to **Optimal Product** Design for Design changes to apply If, how & Information required Product consider Business Why? Lifetime Longevity Context these? Mindset to apply Longevity to design for Resource Design for Ease Design for Efficiency Adaptability and of Maintenance Upgradability and Repair Design for Durability

Figure 2. The flowchart illustrates the main blocks of the Design for Longevity Mindset and how it should be anticipated.

Longevity planning framework 6 (Carlsson, Mallalieu, et al, 2021)

Design for Longevity: A Framework to Support the Designing of a Product's Optimal Lifetime

Service scale

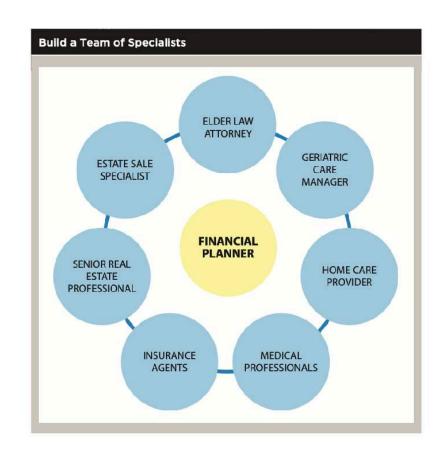


Longevity planning frameworks overview

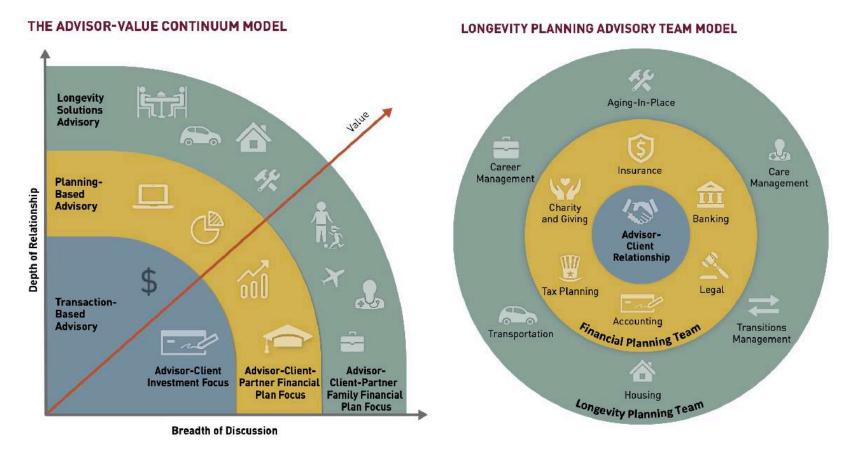
Focus Product-centered Advisor-centered Relationship-centered



Financial Security: Longevity Changes Everything (Houston, 2014)

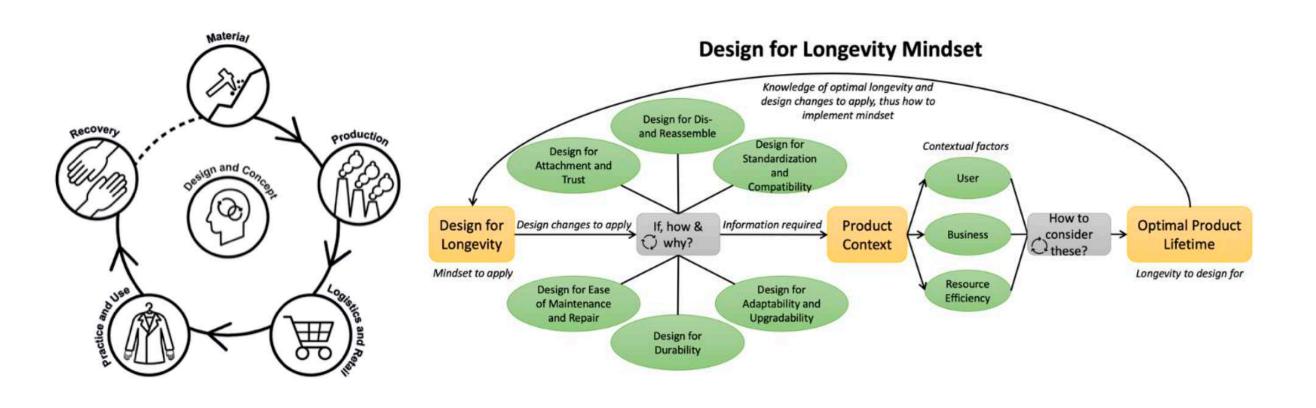


Making the Transition from Financial Planning to Longevity Planning (Mauterstock, 2020)



Planning for 8,000 Days of Retirement: Advisor Value in Today's Longevity Economy (Coughlin, 2019)

Influence Product scale Service scale Experience scale



Outdoor spaces
Age-friendly cities

Community support social inclusion

Community services
and health services

Community serv

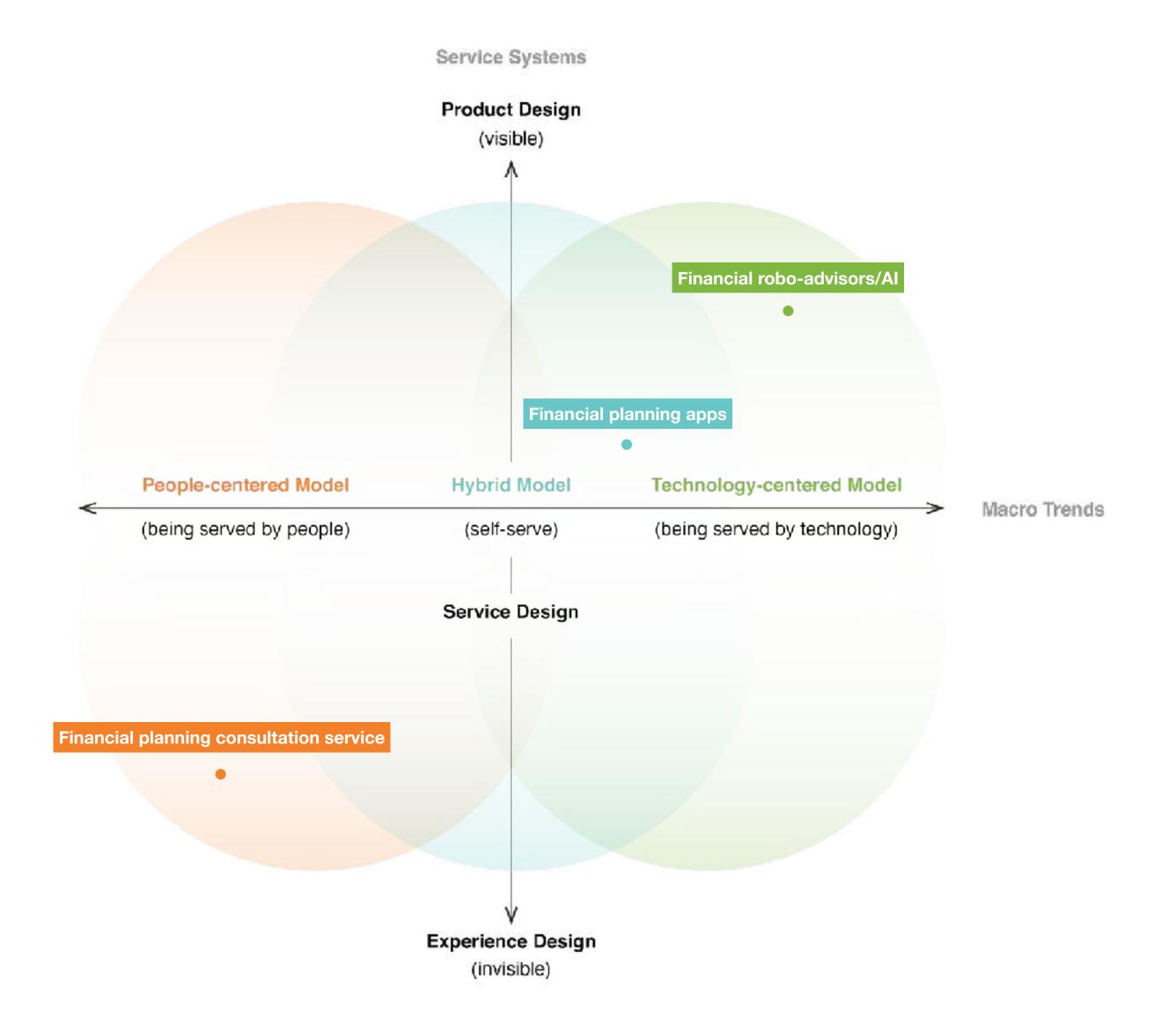
Sustainability Cards: Design for Longevity (Hasling and Ræbild, 2017)

Design for Lo

Design for Longevity: A Framework to Support the Designing of a Product's Optimal Lifetime (Carlsson, Mallalieu, et al, 2021)

Rethinking the urban physical environment for century-long lives: from age-friendly to longevity- ready cities (Wang, Sierra Huertas., et al, 2021)

Service Systems



Lee, S.-H., Yang, M. C., de Weck, O. L., Lee, C., Coughlin, J. F., & Klopfer, E. (2023). Macro-Trend Study Under Service System: Preliminary Research in Service Innovation and Emerging Technology. In Service Design for Emerging Technologies Product Development. https://link.springer.com/book/9783031293054



Service Design for Emerging Technologies Product Development

CHAPTER 4

Macro-Trend Study Under Service System: Preliminary Research in Service Innovation and Emerging Technology

Sheng-Hung Lee, Maria C. Yang, Joseph F. Coughlin, Chaiwoo Lee, Olivier L. de Weck, and Eric Klopfer



Design

and

Behavior

Publishing and Preliminary Research Result

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: Service Design for Emerging Technologies Product Development, Publisher: Springer, 2023

Inclusive Financial Planning Service Design Considerations for an Aging Population

Sheng-Hung Lee, Alexa Balmuth, and Joseph F. Coughlin In: *Design in Action, Publisher: INTELLECT, 2023*

Inclusive Retail Banking Service Design Under System-Theoretic Process Analysis

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Inclusive Retail Experience Transformation under Causal Analysis Based on System Theory (CAST)

Sheng-Hung Lee, Maria C. Yang, and Joseph F. Coughlin In: *Design in Action, Publisher: INTELLECT, 2023*

Applying Human-Centered System Design to the Development of a Tool for Service Innovation

Sheng-Hung Lee, Taylor Patskanick, Alexa Balmuth, and Joseph F. Coughlin In: Cumulus Antwerp 2023 — Connectivity and Creativity in times of Conflict

Co-create Financial Planning Services for an Aging Population: Designers' Perspectives

Sheng-Hung Lee, Joseph F. Coughlin, Maria C. Yang, Olivier L. de Weck, Chaiwoo Lee, Eric Klopfer, and John Ochsendorf In: *ICED23 and The Design Society — 24th International Conference on Engineering Design: Design in a complex world*

Service Design in Action: Transformation, Consideration, and System Thinking

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Retail Banking and Financial Service Under System Analysis

Sheng-Hung Lee, Joseph F. Coughlin, and Eric Klopfer In: *Arte, entre paréntesis, December 19, 2022*

Envision Longevity Planning: Services, Systems, and Sustainability

Sheng-Hung Lee, Joseph F. Coughlin, Sofie Hodara, and MIT AgeLab In: *VID, Venice Innovation Design, 2023*

Design for Longevity: Service, Systems, and Sustainability

Sheng-Hung Lee

In: DesignWanted, April 12, 2023

From Brainstorming to Bodystorming: an applied ethnographic perspective to view co-creation workshops

Sheng-Hung Lee

Column

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In: DesignWanted, December 28, 2022

Reshaping financial planning through a co-creation workshop

Sheng-Hung Lee

In: MIT AgeLab, November 7, 2022

Transformative Service Innovation and Design: From Touch Points to Data Points

Sheng-Hung Lee

In: MIT AgeLab, July 5, 2022

Systemic Service Design

Mari Suoheimo, Sheng-Hung Lee In: *Bloomsbury Publishing*, 2024

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 Congress — Life-changing Design, 2023

Design Gaming Transform Financial Planning Services

Sheng-Hung Lee, Joseph F. Coughlin, and Eric Klopfer In: *Journal of Financial Planning, 2023*

Design Artifacts and Gaming Transform Financial Planning Services

Sheng-Hung Lee, Joseph F. Coughlin, and Maria Yang

In: Industrial Designers Society of America (IDSA) — International Design Conference (IDC), 2023

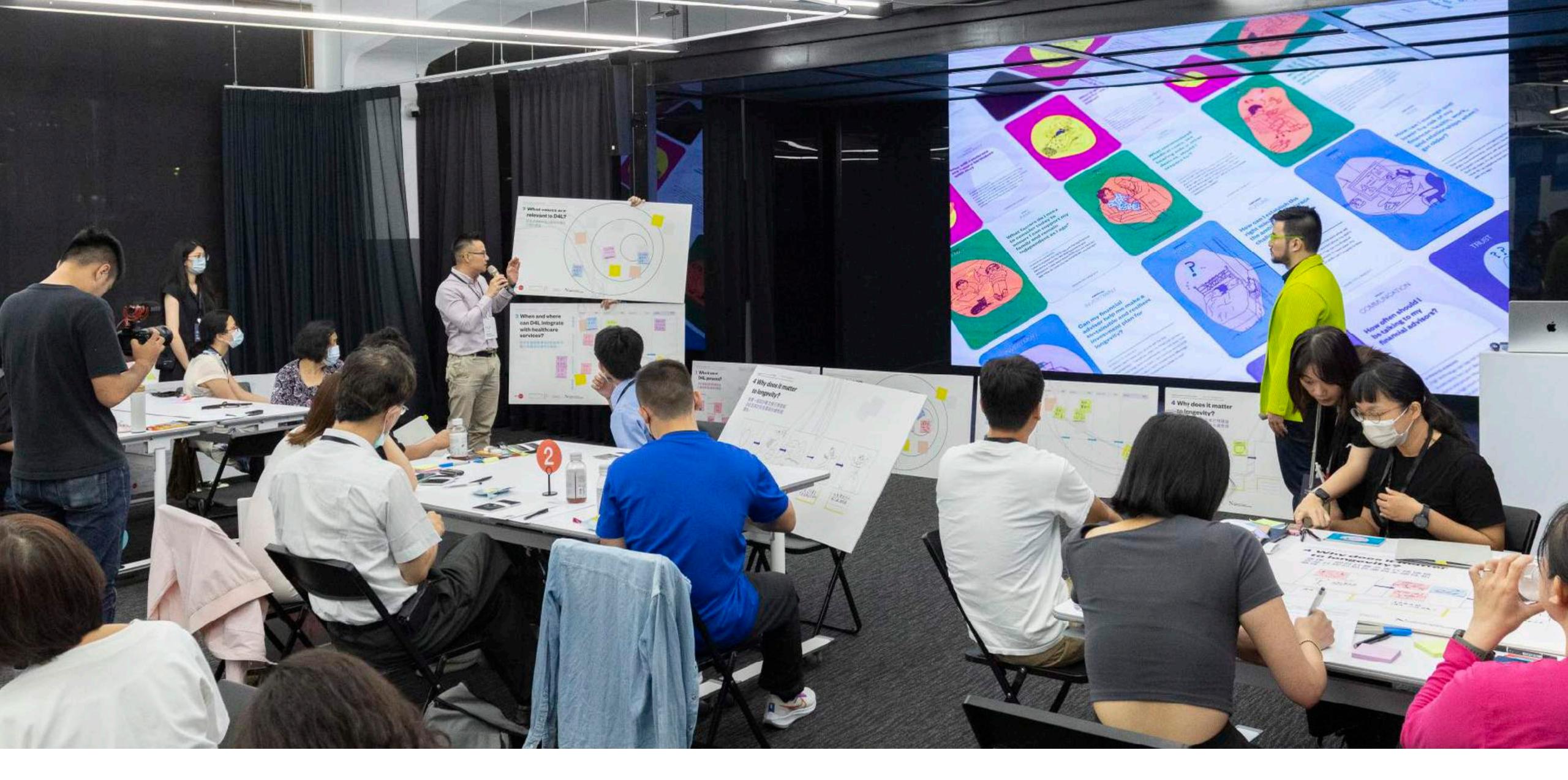
From Brainstorming to Bodystorming: Co-creation Workshop Analysis Using Applied Video Ethnography

Shena-Huna Lee

In: Industrial Designers Society of America (IDSA) — International Design Conference (IDC), 2023







- Topic: Design Healthcare Service for Longevity
- **Date**: June 26. 2023
- Location: Taiwan Design Research Institute (TDRI) workshop space
- Host: Sheng-Hung Lee and Sofie Hodara







研 設 台 究 計 灣 院 DRS 2024 Paper Track 2



Design for Longevity (D4L)



Project Your Future Self through Service, Technology, and Design.

https://www.drs2024.org/theme-tracks/#2





