Prof. BAHAR ŞENER PEDGLEY

Personal Information

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Education Information

Doctorate, Loughborough University of Technology, Endüstri Ürünleri Tasarımı, United Kingdom 1999 - 2004
Postgraduate, Hacettepe University, Güzel Sanatlar Enstitüsü, Grafik (YI) (Tezli), Turkey 1995 - 1997
Undergraduate, Middle East Technical University, Faculty of Architecture, Department of Industrial Design, Turkey 1990 - 1995

Research Areas

Industrial Design

Academic and Administrative Experience

Middle East Technical University, Faculty of Architecture, Department of Industrial Design, 2007 - 2008 Middle East Technical University, Faculty of Architecture, Department of Industrial Design, 2007 - 2008

Advising Theses

Şener Pedgley B., Evaluation of A Home-Based Connected Product Ecosystem for Tracking Falls in Senior Adults, Postgraduate, C.USTA(Student), 2024

Şener Pedgley B., Running with music: Analysing experiences and interactions of runners with digital and tangible interfaces, Postgraduate, A.KÜÇÜKKURT(Student), 2023

Şener Pedgley B., IMPROVING THE EXPERIENCE OF LIVING WITH CYSTIC FIBROSIS: A STUDY ON THE DESIGN OF PRODUCTS AND SERVICES USED IN THE MANAGEMENT OF THE DISEASE, Postgraduate, Y.PALAMUT(Student), 2023 Şener Pedgley B., IDENTIFYING POTENTIAL DESIGN INTERVENTIONS FOR HEART-LUNG MACHINES, Postgraduate, E.DÖNERTAŞ(Student), 2023

Şener Pedgley B., DESIGN FOR ONLINE GROCERY SHOPPING EXPERIENCE FOLLOWING COVID-19 PANDEMIC: AN INVESTIGATION INTO GROCERY SHOPPING APPS, Postgraduate, E.ÇİĞDEM(Student), 2022

Şener Pedgley B., RUN TOGETHER: EXPLORING THE RELATIONSHIP BETWEEN MOTIVATION AND SOCIAL INTERACTION FEATURES OF ACTIVITY-TRACKING APPS, Postgraduate, B.ŞAHİN(Student), 2022

Şener Pedgley B., ANALYSIS OF ONLINE AND IN-STORE CLOTHES SHOPPING EXPERIENCES TAKING A USER JOURNEY APPROACH, Postgraduate, Z.YILMAZ(Student), 2022

Sener Pedgley B., Design for positive breast self-examination experience: an investigation into mobile health apps,

Postgraduate, A.KARADENİZ (Student), 2021

Şener Pedgley B., THE CHILDREN'S PROSTHESIS CO-DESIGN TOOLKIT: ELICITING CHILDREN'S NEEDS FOR HAND PROSTHESIS USING GENERATIVE DESIGN TOOLS, Postgraduate, M.DURSUN(Student), 2021

Şener Pedgley B., REMOTE SOCIAL TOUCH: A FRAMEWORK TO COMMUNICATE PHYSICAL INTERACTION ACROSS LONG DISTANCES, Doctorate, A.ABDULRAZZAQ(Student), 2021

Şener Pedgley B., THE EFFECTS OF ICON DESIGN AND BACKGROUND COLOR ON VISUAL SEARCH PERFORMANCE AND USER PREFERENCES, Postgraduate, B.BUMİN(Student), 2020

Şener Pedgley B., Pedgley O. F., DESIGNING FOR NEW GENERATION ELECTRONIC MUSICAL INSTRUMENTS: STRATEGIES TO IMPROVE INTERACTION, USER EXPERIENCE AND LIVE PERFORMANCE, Doctorate, E.HÜRSU(Student), 2020

Şener Pedgley B., Empowering the front-seat passenger: design and experience prototyping of luxuryinfotainment systems through VR simulation, Doctorate, G.Şen(Student), 2019

HACIHABİBOĞLU H., ŞENER PEDGLEY B., Short-term modification of sleep-wake habits by gamification: a user study, Postgraduate, A.EZGİ(Student), 2015

ŞENER PEDGLEY B., Appraisal of augmented reality technologies for supporting industrial design practices, Postgraduate, B.TOPAL(Student), 2015

ŞENER PEDGLEY B., Sensorial experiences during instrumental interaction: A study on tea makers and vacuum cleaners, Postgraduate, M.COŞKUN(Student), 2014

ŞENER PEDGLEY B., Potentials of embodied interactive technologies to enhance mobile listening experience in public environment, Postgraduate, G.ŞEN(Student), 2014

ŞENER PEDGLEY B., Design for health and wellbeing: An investigation into diet control body-monitoring applications for smart devices, Postgraduate, N.NAGİHAN(Student), 2014

ŞENER PEDGLEY B., Design of experience sampling tools for reporting student experience in design education, Postgraduate, N.FINDIK(Student), 2012

ŞENER PEDGLEY B., Pedgley B., Exploring and implementing pleasant touch in the interface of products for design purposes: the case of a Bang & Olufsen remote control, Postgraduate, T.Johanna(Student), 2012

ŞENER PEDGLEY B., Exploring and implementing pleasant touch in the interface of products for design purposes: The case of a bang & olufsen TV remote control, Postgraduate, T.JOHANNA(Student), 2012

ŞENER PEDGLEY B., A study of consumers' emotional responses towards brands and branded products, Postgraduate, A.Karahanoğlu(Student), 2008

ŞENER PEDGLEY B., The situation of ecodesign in Turkish industry, Postgraduate, E.GÜRAKAR(Student), 2008 ŞENER PEDGLEY B., A study of emotional responses towards brands and branded products, Postgraduate, A.KARAHANOĞLU(Student), 2008

ŞENER PEDGLEY B., Investigation into adaptive structure in software-embedded products from cybernetic perspective, Postgraduate, E.ERTUĞRUL(Student), 2007

Designed Programs

Şener Pedgley B., Associate Degree, Birbirine Bağlı Tek Bir Diploma, 'The International Joint MSc Programme of Design Research for Interaction', 2008 - 2014

Şener Pedgley B., Börekçi N. A. G. Z., Pedgley O. F., Ünlü C. E., Hekkert P., Diehl J., Kuijer L., Undergraduate Double Major, Birbirine Bağlı Çoklu Diploma, ODTÜ-TUDelft Etkileşim için Tasarım Uluslararası Ortak Yüksek Lisans Programı [International METU-TUDelft Joint Master of Science Programme for Design Research for Interaction], 2008 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Remote social touch framework: a way to communicate physical interactions across long distances Alsamarei A. A., Şener Pedgley B.
 - JOURNAL ON MULTIMODAL USER INTERFACES, vol.0, no.17, pp.79-104, 2023 (SCI-Expanded)
- II. Experience prototyping through virtual reality head-mounted displays: Design appraisals of

automotive user interfaces

ŞEN G., ŞENER PEDGLEY B.

Design Journal, vol.25, no.5, pp.807-827, 2022 (AHCI)

III. Improving Sleep-Wake Behaviors Using Mobile App Gamification

Ilhan A. E., ŞENER PEDGLEY B., HACIHABİBOĞLU H.

ENTERTAINMENT COMPUTING, vol.40, 2022 (SCI-Expanded)

IV. Design for Luxury Front-Seat Passenger Infotainment Systems with Experience Prototyping through VR

Sen G., Şener Pedgley B.

INTERNATIONAL JOURNAL OF HUMAN-COMPUTER INTERACTION, vol.36, no.18, pp.1714-1733, 2020 (SCI-Expanded)

V. ENRICHING THE AESTHETICS OF MOBILE MUSIC PLAYER INTERACTIONS THROUGH THE USE OF PERSONAL CLOTHING AND ACCESSORIES AS INTERFACES

Şen G., Sener B.

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.36, no.2, pp.141-163, 2019 (AHCI)

VI. Embracing Material Surface Imperfections in Product Design

PEDGLEY O. F., ŞENER PEDGLEY B., Lilley D., Bridgens B.

INTERNATIONAL JOURNAL OF DESIGN, vol.12, no.3, pp.21-33, 2018 (SCI-Expanded)

VII. INVESTIGATING THE FEASIBILITY OF DIGITALLY CREATED INDUSTRIAL DESIGN SKETCHBOOKS SENER PEDGLEY B.

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.31, no.1, pp.139-156, 2014 (AHCI)

VIII. Emotion-driven design

ŞENER PEDGLEY B., Kurtgozu A.

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.25, no.1, pp.127-134, 2008 (AHCI)

IX. THE PLENITUDE: CREATIVITY, INNOVATION AND MAKING STUFF

Sener B

METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.25, no.2, pp.188-192, 2008 (AHCI)

X. User evaluation of HCI concepts for defining product form

ŞENER PEDGLEY B., Wormald P.

DESIGN STUDIES, vol.29, no.1, pp.12-29, 2008 (SCI-Expanded)

XI. In the Bubble: Designing in a Complex World by John Thackara

ŞENER PEDGLEY B.

Design Journal, vol.11, pp.81-84, 2008 (AHCI)

XII. The Plenitude: Creativity, Innovation and Making Stuff by Rich Gold

ŞENER PEDGLEY B.

Metu Journal Of The Faculty Of Architecture, vol.25, pp.188-192, 2008 (AHCI)

XIII. Rethinking digital industrial design: a mandate for virtual workshops and intelligent environments \$ENER PEDGLEY B.

DIGITAL CREATIVITY, vol.18, no.4, pp.193-206, 2007 (AHCI)

XIV. An evaluation of haptic feedback modelling during industrial design practice

Evans M., SENER PEDGLEY B., WALLACE D., CHESHIRE D.

DESIGN STUDIES, vol.26, no.5, pp.487-508, 2005 (SCI-Expanded)

XV. In Touch with Consumers: FreeForm® as a Co-design Tool for Real-Time Concept Modification \$ENER PEDGLEY B., Van Rompay T.

Design Journal, vol.8, pp.14-28, 2005 (AHCI)

XVI. Product design, semantics and emotional response

Demirbilek O., ŞENER PEDGLEY B.

ERGONOMICS, vol.46, pp.1346-1360, 2003 (SCI-Expanded)

XVII. The Potential for the Bespoke Industrial Designer

ŞENER PEDGLEY B., Wormald P.

Design Journal, vol.6, pp.24-34, 2003 (AHCI)

Articles Published in Other Journals

I. Museum of the Future: Gelecek Beklemez!

Şener Pedgley B.

Arredamento Mimarlık, no.359, pp.50-54, 2023 (Peer-Reviewed Journal)

II. Ürün ve UX/UI Tasarımında Öğrenci Yetkinliğinin Geliştirilmesi

Sener Pedgley B., Pedgley O. F.

YEDİ: SANAT, TASARIM VE BİLİM DERGİSİ, vol.30, no.30, pp.95-104, 2023 (Peer-Reviewed Journal)

III. İnsanlık için Prototipler

Şener Pedgley B.

Arredamento Mimarlık, no.356 (Ocak-Şubat), pp.26-29, 2023 (Peer-Reviewed Journal)

IV. Maskenin Maskesini Düşürmek

ŞENER PEDGLEY B.

Arredamento Mimarlık, no.345, pp.94-97, 2021 (Peer-Reviewed Journal)

V. Tasarımın Sağlık ve İyi Oluşa Etkisi

SENER PEDGLEY B.

Arredamento Mimarlık, pp.108-112, 2018 (Peer-Reviewed Journal)

VI. MULTI-SENSORY NATURE OF USER-PRODUCT INTERACTIONS: A STUDY ON SMALL HOUSEHOLD APPLIANCES

COŞKUN M., ŞENER PEDGLEY B.

TURKISH ONLINE JOURNAL OF DESIGN ART AND COMMUNICATION, vol.8, no.3, pp.537-550, 2018 (ESCI)

VII. KULLANICI-ÜRÜN ETKİLEŞİMİNİN ÇOK DUYULU DOĞASI: KÜÇÜK EV ALETLERİ ÜZERİNE BİR ÇALIŞMA COŞKUN M., ŞENER PEDGLEY B.

The Turkish Online Journal of Design, Art and Communication, vol.8, no.3, pp.537-550, 2018 (Peer-Reviewed Journal)

VIII. Transitioning from physical to digital sketchbooks for industrial design education

Şener Pedgley B., Şen G.

Design Principles and Practices, vol.8, pp.31-41, 2015 (Scopus)

IX. Geleceğin Mutfakları için Yeni Nesil Fikirler

Şener Pedgley B., Hasdoğan G. F.

Banyo + Mutfak, no.1, pp.46-52, 2014 (Non Peer-Reviewed Journal)

X. Sanayi Destekli Mezuniyet Projelerinde ODTÜ İkinci On Yıla Adımını Atarken

Hasdoğan G. F., Şener Pedgley B.

Arredamento Mimarlık, no.Temmuz-Ağustos 2012, pp.119-121, 2012 (Non Peer-Reviewed Journal)

XI. Consumers' Emotional Responses to Brands and Branded Products

ŞENER PEDGLEY B., Karahanoglu A.

Design Principles and Practices: An International Journal—Annual Review, vol.3, pp.323-340, 2009 (Peer-Reviewed Journal)

XII. Feel the emotion

Sener B.

New Design, pp.28-30, 2008 (Scopus)

XIII. Modeliranje z otipom (Haptic modelling)

Campbell I., ŞENER PEDGLEY B., Pedgley O., Wormald P.

Inovacije, Razvoj, Tehnologije (Innovation Development Technologies), vol.13, pp.83-88, 2008 (Non Peer-Reviewed Journal)

XIV. İyi Tasarım Üzerine

Hasdoğan G. F., Şener Pedgley B.

Tasarım Merkezi Dergisi, no.Aralık 2006, pp.66-70, 2006 (Non Peer-Reviewed Journal)

Books & Book Chapters

I. Surface texture as a designed material product attribute

Şener Pedgley B., Pedgley O. F.

in: Material Experience 2: Expanding Territories of Materials and Design, Owain Pedgley, Elvin Karana, Valentina Ragnoli, Editor, Elsevier Science, Oxford/Amsterdam, Oxford, pp.67-89, 2021

II. The Aspects of Aesthetics of Interaction: Deconstructing The 'How' Level Of User - Product Interactions

Şen G., Şener Pedgley B.

in: Disiplinlerarası Estetik Tartışmalar / Multidisciplinary Debates on Aesthetics, E. Murat Çelik,Özgür Yaren, Editor, SANART ESTETİK VE GÖRSEL KÜLTÜR DERNEĞİ, Ankara, pp.283-300, 2021

III. Resistant Materials in Technology Education

ŞENER PEDGLEY B., Pedgley O.

in: Handbook of Technology Education, de Vries, Marc J., Editor, Springer, pp.319-336, 2017

Refereed Congress / Symposium Publications in Proceedings

I. Designing With Self-Determination Theory: Home-Based Digital Exercise Interventions Creating Positive Change

ŞENER PEDGLEY B., Pedgley O.

ICED23 - 24th International Conference on Engineering Design, Bordeaux, France, 24 - 28 July 2023, vol.3, pp.1417-1424

II. Designing with Self-Determination Theory: Home-Based Digital Exercise Interventions Creating Positive Change

Şener Pedgley B., Pedgley O. F.

ICED23, Bordeaux, France, 24 - 28 July 2023, pp.179-180

III. Digital Health Interventions for Promoting Sleep Wellbeing: A Design Approach Using Self-Determination Theory

ŞENER PEDGLEY B., UMULU S., Yılmaz A. O.

EPDE: Int. Conf. on Engineering and Product Design Education, Londrina, Brazil, 8 - 09 September 2022

IV. The Redesign Studio: An Intensive Evidence-Based Approach for Ideating Product and UX/UI Improvements

Pedgley O., SENER PEDGLEY B.

EPDE: Int. Conf. on Engineering and Product Design Education, Londrina, Brazil, 8 - 09 September 2022

V. TAKE BACK CONTROL OF YOUR TIME: DESIGN ACTIVITY FOR REFLECTING ON TIME AND TIMEKEEPING PRACTICES

Mert Y., Umulu S., Coşkun A., Şener Pedgley B.

23rd International Conference on Engineering and Product Design Education (EPDE 2021), Helsingor, Denmark, 09 September 2021

VI. WEARABLE TACTUAL COMMUNICATORS: DESIGNING PRODUCTS WITH TECHNOLOGY-MEDIATED TOUCH

Şener Pedgley B., Pedgley O.

23rd International Conference on Engineering and Product Design Education (EPDE 2021), Helsingor, Denmark, 9 - 10 September 2021

VII. Eliciting Children's Expectations for Hand Prostheses through Generative Design Tools

Dursun M., Şener Pedgley B.

23rd International Conference on Engineering Design (ICED), Gothenburg, Sweden, 16 - 20 August 2021, pp.1343-1352

VIII. Design for Positive Breast Self-Exam Experience Using Mobile Apps

Karadeniz Küçük A., Şener Pedgley B.

23rd International Conference on Engineering Design (ICED), Gothenburg, Sweden, 16 - 20 August 2021, vol.1, pp.1013-1022

IX. Ürün-Kullanıcı Deneyiminde Dokunma Hissinin Haptik Teknolojilerle Zenginleştirilmesi

Şener Pedgley B., Pedgley O.

4. UTAK 2020 Ulusal Tasarım Araştırmaları Konferansı, Ankara, Turkey, 8 - 10 September 2020, pp.167-178

X. Otomobil Yolcularına Yönelik Bilgi-Eğlence Sistemlerinde Kullanıcı Beklentileri ve Tasarım Öngörüleri

Şen G., Şener Pedgley B.

4. UTAK Ulusal Tasarım Araştırmaları Konferansı, Ankara, Turkey, 8 - 10 September 2020, pp.151-165

XI. Accelerating students' capability in design for interaction

Şener Pedgley B., Pedgley O. F.

DRS LearnXdesign 2019 5th International Conference for Design Education Researchers, Ankara, Turkey, 9 - 12 July 2019

XII. Using a Self-Reporting Tool to Capture Design Student's Experience

Fındık Önal N., ŞENER PEDGLEY B.

DRS LearnXdesign 2019 5th International Conference for Design Education Researchers, Ankara, Turkey, 9 - 12 July 2019

XIII. The Aspects of Aesthetics of Interaction: Deconstructing The 'How' Level of User-Product Interactions

Şen G., Şener Pedgley B.

3rd Turkish Congress of Aesthetics, Ankara, Turkey, 23 - 25 May 2019

XIV. Yaşlılar için Evde E-Sağlık Çözümleri

Şener Pedgley B., Pedgley O., Hasdoğan G. F.

UTAK 2018 Ulusal Tasarım Araştırmaları Konferansı: Tasarım ve Umut, Ankara, Turkey, 12 - 14 September 2018, pp.201-2017

XV. Ev teknolojilerine yönelik kullanıcı beklentilerinin geleceği düşleme yöntemi ile toplanması

Coşkun A., Şener Pedgley B.

UTAK 2018 3. Ulusal Tasarım Araştırmaları Konferansı Tasarım ve Umut, Ankara, Turkey, 12 - 14 September 2018, vol.1, pp.219-234

XVI. Contemporary automotive infotainment solutions to empower front-seat passengers

Şen G., ŞENER PEDGLEY B., Jump M.

DRS 2018 – Design Research Society Conference: 'Design as a Catalyst for Change', Limerick, Ireland, 25 - 28 June 2018, vol.6, pp.2246-2265

XVII. Creating Awareness of Sleep Wake Hours by Gamification

İLHAN A. E., ŞENER PEDGLEY B., HACIHABİBOĞLU H.

11th International Conference, PERSUASIVE, 05 April 2016 - 07 April 2017, pp.122-133

XVIII. Product experience and luxury values

YARDIM ŞENER S., Şen G., Pedgley O., ŞENER PEDGLEY B., Murray G.

10th International Conference on Design and Emotion, D and E 2016, Amsterdam, Netherlands, 27 - 30 September 2016, pp.107-113

XIX. AN INVESTIGATION OF DIET APPS FOR ENHANCING PEOPLE'S HEALTH AND WELLBEING.

Tuna N. N., SENER PEDGLEY B.

20th International Conference on Engineering Design (ICED), Milan, Italy, 27 - 31 July 2015

XX. Augmented reality for enhanced student industrial design presentations

Topal B., Sener B.

17th International Conference on Engineering and Product Design Education, E and PDE 2015, Loughborough, United Kingdom, 3 - 04 September 2015, pp.644-649

XXI. Designing for multisensorial interactive product experiences

ŞENER PEDGLEY B., Pedgley O. F.

17th International Conference on Engineering and Product Design Education, E and PDE 2015, Loughborough, United Kingdom, 3 - 04 September 2015, pp.406-411

XXII. Towards improvement of interaction aesthetics of mobile music listening journeys

Sen G., Sener B.

20th International Conference on Engineering Design, ICED 2015, Milan, Italy, 27 - 30 July 2015, vol.9, pp.159-168

XXIII. Appraisal of augmented reality technologies for supporting industrial design practices

Topal B., Sener B.

7th International Conference on Virtual, Augmented and Mixed Reality, VAMR 2015 Held as Part of 17th International Conference on Human-Computer Interaction, HCI International 2015, California, United States Of America, 2 - 07 August 2015, vol.9179, pp.513-523

XXIV. Endüstri Destekli Eğitim Projelerinin Arkasındaki Motivasyonlar: ODTÜ Endüstri Ürünleri Tasarımı Bölümü Mezuniyet Projeleri

Hasdoğan G. F., Şener Pedgley B.

UTAK 2014 Ulusal Tasarım Araştırmaları Konferansı, Ankara, Turkey, 10 - 12 September 2014, pp.219-234

XXV. Nine ways to wake up: Bedside alarm clocks designed by a 'meaningful interaction' learning approach

Sener B., Pedgley O. F.

9th International Conference on Design and Emotion 2014, Bogota, Cali and Medellin, Colombia, 6 - 10 October 2014, pp.698-705

XXVI. So, what comes next? constructive randomness within products

Sener B., Pedgley O. F.

8th International Conference on Design and Emotion: Out of Control, London, United Kingdom, 11 - 14 September 2012

XXVII. Users' understanding of fun in consumer products

Cila N., Erbug C., Sener B.

Annual Meeting of the Ergonomics-Society, Nottingham, United Kingdom, 01 April 2007, pp.291-296

XXVIII. Comparisons between user expectations for products in physical and virtual domains

Sener B., Gültekin P., Erbug Ç.

Annual Conference of the Ergonomics Society on Contemporary Ergonomics 2006, Cambridge, United Kingdom, 4 - 06 April 2006, pp.149-153

XXIX. Towards 'virtual clay' modelling challenges and recommendations: A brief summary of the literature Sener B., Wormald P., Campbell I.

7th International Design Conference (DESIGN 2002), Dubrovnik, Croatia, 14 - 17 May 2002, pp.545-550

XXX. New generation computer-aided design tools: Two related research projects investigating the future expectations of designers

Sener B., Vergeest J., Akar E.

7th International Design Conference (DESIGN 2002), Dubrovnik, Croatia, 14 - 17 May 2002, pp.539-544

Supported Projects

ŞENER PEDGLEY B., Paksoy İ. Y., Project Supported by Higher Education Institutions, 'Ürünün İşlevsel ve Hedonik Yönlerinin Güçlendirilmesine Yönelik 3-Boyutlu Yüzey Dokularının Araştırılması', 2014 - 2016

ŞENER PEDGLEY B., Project Supported by Higher Education Institutions, 'Etkileşim için Tasarım' Eğitimine Uygulamalı Bir Yaklaşım Olarak 'Çevreleyen Zeka' ve bu Özellikte Programlanabilir Cihazların Kullanımlarının Araştırılması, 2013 - 2016 ŞENER PEDGLEY B., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

ŞENER PEDGLEY B., Project Supported by Higher Education Institutions, Dijital Portfolyo: Sayısal Ortamda Geliştirilen Endüstri Ürünleri Tasarım Sürecinin Dokümantasyonuna Yönelik Uygulama., 2012 - 2013

Publication: 79
Citation (WoS): 239
Citation (Scopus): 304
H-Index (WoS): 6
H-Index (Scopus): 6

Non Academic Experience

University of Liverpool University of Liverpool Loughborough University