

# Prof. Advıye Aya ÜNLÜER İMEN

## Personal Information

Web: <https://avesis.yildiz.edu.tr/aunluer>

## International Researcher IDs

ORCID: 0000-0003-0031-204X

ScopusID: 25636567400

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## Biography

Aya received her Bachelor's Degree in Communication Design at the Art and Design Faculty of Yildiz Technical University (YTU). She completed both her Master's thesis on sound implementation in touch surfaces and her PhD thesis on new methods in gestural interface design education at the Interactive Media Design Program in YTU. She gives courses on concept development, design ergonomics, data visualization, typographic animation, icon design and multimedia projects in YTU and İstanbul Bilgi University. Her current interests are natural user interfaces and creative thinking.

## Education Information

Post Doctorate, Chalmers Tekniska Högskola (Chalmers University of Technology), Interaction Design, Department Of Applied It, Sweden 2014 - 2015

Doctorate, Yildiz Technical University, Graduate School Of Social Sciences, Art And Design, Turkey 2010 - 2014

Postgraduate, Yildiz Technical University, Faculty Of Art & Design, İnteraktif Medya Tasarımı, Turkey 2007 - 2010

Undergraduate, Yildiz Technical University, Faculty Of Art & Design, İletişim Tasarımı, Turkey 2000 - 2006

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, DOĞAL KULLANICI ARAYÜZÜ TASARIMI EĞİTİMİNDE YENİLİKÇİ VE YARATICI ÇIKTILARI ARTTIRMAK İÇİN DRAMA VE MİM TEKNİKLERİNİN KULLANIMI, Yıldız Teknik Üniversitesi, Faculty of Art & Design, Sanat Ve Tasarım Anabilim Dalı, 2014

Postgraduate, GELENEKSEL TÜRK HAT SANATI'NIN ÇOK DOKUNUŞLU EKRAN UYGULAMASIYLA YENİDEN OKUNMASI: GÖMÜLÜ SES, Yıldız Teknik Üniversitesi, İnteraktif Medya Tasarımı, Sosyal Bilimler Enstitüsü, 2010

## Research Areas

Social Sciences and Humanities, Art, Art and Design, Design Studies, Computer Sciences, Computer Graphics, Augmented Reality, Information Visualization, Computer Graphics, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Art & Design, İletişim Tasarımı, 2018 - Continues  
Lecturer PhD, Yildiz Technical University, Faculty Of Art & Design, İletişim Tasarımı, 2014 - 2018  
Research Assistant, Yildiz Technical University, Faculty Of Art & Design, İletişim Tasarımı, 2007 - 2009

## Academic and Administrative Experience

Head of Department, Yildiz Technical University, Faculty Of Art & Design, Department Of Communication Design, 2022 - Continues  
Head of Department, Yildiz Technical University, Graduate School Of Social Sciences, Art And Design, 2022 - Continues

## Courses

Simge Tasarımı, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010  
Interactive Design Theory, Postgraduate, 2019 - 2020  
Proje 4, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2012 - 2013  
İkon Tasarımı, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2011 - 2012  
Tipografik Animasyon, Undergraduate, 2018 - 2019, 2017 - 2018, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009  
Ergonominin Temelleri, Undergraduate, 2018 - 2019  
Bitirme Çalışması, Undergraduate, 2018 - 2019, 2017 - 2018, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010  
Proje 3, Undergraduate, 2018 - 2019, 2017 - 2018, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010  
Sunum Tasarımı, Undergraduate, 2017 - 2018, 2013 - 2014  
Enformasyon Tasarımı, Undergraduate, 2017 - 2018, 2015 - 2016  
3B Modelleme, Undergraduate, 2013 - 2014  
Dil Kullanımı ve İletişim, Undergraduate, 2013 - 2014  
Tasarım İçin Rol Oynama, Undergraduate, 2012 - 2013  
Deneysel Tipografi, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011  
İleri Bilgisayarda Grafik, Undergraduate, 2010 - 2011  
Proje 2, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010  
Modern Tasarım Kavramları, Undergraduate, 2010 - 2011, 2009 - 2010  
Programlama, Undergraduate, 2011 - 2012  
Etkileşimli Ortam Tasarımı, Undergraduate, 2010 - 2011  
İnteraktif Tasarım Araçları, Undergraduate, 2010 - 2011  
Grafik Tasarım Araçları, Undergraduate, 2010 - 2011  
Proje 1, Undergraduate, 2009 - 2010, 2008 - 2009  
Temel İnteraktif Araçlar, Undergraduate, 2009 - 2010  
Fotoğraf Teknikleri, Undergraduate, 2009 - 2010

## Designed Lessons

Ünlüer Çimen A. A., Interaction Design Ergonomics, Postgraduate, 2019 - 2020  
Ünlüer Çimen A. A., Tasarım İçin Rol Oynama, Undergraduate, 2012 - 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Effectiveness of Mime-Based Creative Drama Education for Exploring Gesture-Based User Interfaces**  
Unluer A. A., Baytas M. A., Buruk O. T., Cemalcilar Z., Yemez Y., Ozcan O.  
INTERNATIONAL JOURNAL OF ART & DESIGN EDUCATION, vol.37, pp.353-366, 2018 (SSCI)
- II. **First Istanbul Design Biennial**  
ÜNLÜER ÇİMEN A. A., ÖZCAN O.  
DESIGN AND CULTURE, vol.6, pp.127-130, 2014 (AHCI)
- III. **Mime-based creative drama implementations for exploring gestural interaction**  
Unluer A. A., Ozcan O.  
DIGITAL CREATIVITY, vol.24, pp.275-290, 2013 (AHCI)
- IV. **Sound and Silence in the Line: Re-Reading Turkish Islamic Calligraphy for Interactive Media Design**  
Unluer A. A., Ozcan O.  
LEONARDO, vol.43, pp.450-456, 2010 (AHCI)
- V. **Prayer Bead Gestures and Television: A Case Study on Cultural Inspirations for Interaction Art Education**  
Özcan O., Akdemir E., O'neil M. L., Ünlüer Çimen A. A.  
LEONARDO, vol.42, no.5, pp.429-432, 2009 (SCI-Expanded)
- VI. **A case study on better iconographic design in electronic medical records' user interface**  
Tasa U. B., Özcan O., Yantaç A. E., Ünlüer A. A.  
INFORMATICS FOR HEALTH & SOCIAL CARE, vol.33, no.2, pp.125-138, 2008 (SCI-Expanded)

### Articles Published in Other Journals

- I. **PANDEMİ KOŞULLARINDA TÜRKİYE GENELİNDEKİ ÜNİVERSİTELERİN SANAT, TASARIM VE MİMARLIK BÖLÜMLERİNDEKİ UYGULAMALI DERSLER İÇİN ÇEVİRİMİÇİ EĞİTİMDE YAŞANAN PROBLEMLER VE GEREKSİNİMLERE YÖNELİK İHTİYAÇ ANALİZİ**  
ÜNLÜER ÇİMEN A. A., CEMELELİOĞLU N., YILDIRIM Y., ÖÇAL B., EDEN A.  
Akdeniz Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, no.10, pp.84-104, 2021 (Peer-Reviewed Journal)
- II. **Pandemi Koşullarında Türkiye Genelindeki Üniversitelerin Sanat, Tasarım Ve Mimarlık Bölümlerindeki Uygulamalı Dersler İçin Çevrimiçi Eğitimde Yaşanan Problemler ve Gereksinimlere Yönelik İhtiyaç Analizi**  
Ünlüer Çimen A. A., Cemelelioğlu N., Yıldırım Y., Öçal B., Eden A.  
Akdeniz Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, no.10, pp.87-104, 2021 (Peer-Reviewed Journal)
- III. **Identity and Representation Problems of Pixel Art**  
Ünlüer Çimen A. A.  
Inonu University Journal of Art and Design, vol.7, no.15, pp.211-223, 2017 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Sensoidvania: Increasing Awareness Towards Visual Disability Through Metroidvania Experience**  
Öçal B., Ünlüer Çimen A. A.  
HCI International 2022, 26 June 2022, pp.486-493
- II. **Sensoidvania: A Video Game Concept to Raise Awareness Towards Visual Disability**  
Öçal B., Ünlüer Çimen A. A.  
4th International Congress of Multidisciplinary Social Sciences, Ankara, Turkey, 10 May 2022, pp.116
- III. **Effects Of The Use Of Avatars On Online Campus Interaction: The Image Of Self Representation**  
Cemelelioğlu N., Ünlüer Çimen A. A.  
Twelfth International Conference on The Image, Lisbon, Portugal, 13 - 14 September 2021, pp.1
- IV. **Needs Analysis Towards the Problems And Requirements On Online Education For Studio Classes of**

## **Art, Design, And Architecture Department In Universities Under Pandemic Conditions**

Ünlüer Çimen A. A., Cemelelioğlu N., Eden A., Yildirim Y., Öçal B.

COVID-19 ve TOPLUM - Salgının Sosyal, Beşeri ve Ekonomik Etkileri, Sorunlar ve Çözümler, Ankara, Turkey, 22 - 23 February 2021

- V. **WristOrigami: Exploring foldable design for multi-display smartwatch**  
Zhu K., Fjeld M., Ünlüer A. A.  
2018 Designing Interactive Systems Conference, DIS 2018, Hong Kong, hkg, 9 - 13 June 2018, pp.1207-1218
- VI. **Redefining the fundamentals of photography with cooperative photography**  
Wen J., Ünlüer A. A.  
14th International Conference on Mobile and Ubiquitous Multimedia, MUM 2015, Linz, Austria, 30 November - 02 December 2015, pp.37-47
- VII. **Gesture Bike: Examining Projection Surfaces and Turn Signal Systems for Urban Cycling**  
Vechev V., Ünlüer Çimen A. A., Nilson S., Nygren O., Eliasson S., Barjonet J., Marshall J., Fjeld M.  
ITS 2015 INTERACTIVE TABLETOPS AND SURFACES, Amadora, Portugal, 15 - 18 November 2015, pp.151-159
- VIII. **A drone agent to support a clean environment**  
Obaid M., Mubin O., Basedow C. A., Ünlüer A. A., Bergström M. J., Fjeld M.  
3rd International Conference on Human-Agent Interaction, HAI 2015, Daegu, South Korea, 21 - 24 October 2015, pp.55-61
- IX. **Medium and transition in mobile projected interfaces**  
Vechev V., Ünlüer A. A., Dancu A.  
17th International Conference on Human-Computer Interaction with Mobile Devices and Services, MobileHCI 2015, Copenhagen, Denmark, 24 - 27 August 2015, pp.1134-1137
- X. **Fun, cool. and awkward: Preliminary reactions to cooperative photography**  
Wen J., Ünlüer A. A.  
17th International Conference on Human-Computer Interaction with Mobile Devices and Services, MobileHCI 2015, Copenhagen, Denmark, 24 - 27 August 2015, pp.831-837
- XI. **Interaction in motion with mobile projectors: Design considerations**  
Dancu A., Franjic Z., Ünlüer A. A., Fjeld M.  
4th ACM International Symposium on Pervasive Displays, PerDis 2015, Saarbrücken, Germany, 10 - 12 June 2015, pp.61-68
- XII. **Emergent interfaces: Constructive assembly of identical units**  
Dancu A., Hedler C., Nielsen S. A., Frank H., Kening Z., Pelling A., Ünlüer A. A., Carlsson C., Witt M., Fjeld M.  
33rd Annual CHI Conference on Human Factors in Computing Systems, CHI EA 2015, Seoul, South Korea, 18 - 23 April 2015, vol.18, pp.451-460
- XIII. **ChromaGlove: A wearable haptic feedback device for colour recognition**  
Woźniak P., Knaving K., Obaid M., Carcedo M. G., Ünlüer A., Fjeld M.  
6th Augmented Human International Conference, AH 2015, Singapore, Singapore, 9 - 11 March 2015, vol.11, pp.219-220
- XIV. **Learning Natural User Interface Design through Creative Drama Techniques New Approaches to Design Education**  
ÜNLÜER ÇİMEN A. A., ÖZCAN O.  
Design Thinking Research Symposium, Newcastle-Upon-Tyne, United Kingdom, 18 - 20 April 2012
- XV. **Re-reading String for Designing Interfaces in Animated Movies**  
ÜNLÜER ÇİMEN A. A.  
SIDeR\12 (Scandinavian Student Interaction Design Research Conference), 01 March 2012
- XVI. **EMBEDDED SOUND: A PROJECT ON TURKISH TRADITIONAL CALLIGRAPHY AND ITS MULTI-TOUCH TRANSFORMATION**  
ÜNLÜER ÇİMEN A. A.  
ISEA 2011 ISTANBUL THE 17TH INTERNATIONAL SYMPOSIUM ON ELECTRONIC ART, 01 September 2011
- XVII. **USE OF CREATIVE DRAMA TECHNIQUES IN COMMUNICATION DESIGN EDUCATION**  
ÜNLÜER ÇİMEN A. A.

INTERNATIONAL SYMPOSIUM OF DRAMA IN EDUCATION, 01 April 2011

**XVIII. Rethinking Spherical Media Surfaces by Re-reading Ancient Greek Vases**

ÜNLÜER ÇİMEN A. A., Baytaş M. A., Serim B.

2012 ACM Interactive Tabletops & Surfaces conference

**XIX. Re-Reading String for Educating Interactive Media Design Students in the Perspective of Designing Futuristic Interfaces**

ÜNLÜER ÇİMEN A. A., Özcan O.

International conference on illustration and animation

**XX. A Challenging Design Case Study for Interactive Media Design Education: Interactive Media for Individuals with Autism**

Esin Orhun S., ÜNLÜER ÇİMEN A. A.

HCI International 2014 Conference

## Supported Projects

Öçal B., Sağer T., Cemelelioğlu N., Eden A., Temel T., Şenel İ., Ünlüer Çimen A. A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Yıldız Teknik Üniversitesi Etkileşimli Performans Tasarımı Araştırma Merkezi Proje No:

TR10/21/YES/0081, 2022 - 2022

Ünlüer Çimen A. A., CEMELELİOĞLU ALTIN N., TUBITAK Project, A Design Guideline on Online Education for Studio Classes of Art, Design and Architecture Department in Universities Under Pandemic Conditions, 2020 - 2020

ÜNLÜER ÇİMEN A. A., TUBITAK Project, A RESEARCH PROJECT ON OBTAINING AUDIO OUTPUT WITH VISUAL INTERACTION THROUGH A METHOD DERIVED FROM RE-READING TURKISH CALLIGRAPHIC ART, 2014 - 2015

## Design

Ünlüer Çimen A. A., SADBERK HANIM MÜZESİ KURUMSAL WEB SİTESİ, Graphic Design / Web Design, June 2017

## Metrics

Publication: 29

Citation (WoS): 11

Citation (Scopus): 60

H-Index (WoS): 2

H-Index (Scopus): 5

## Congress and Symposium Activities

Amber 2013, Invited Speaker, İstanbul, Turkey, 2013

Design Thinking Research Symposium, Attendee, Newcastle Upon Tyne, United Kingdom, 2012

The 17th International Symposium on Electronic Art, Attendee, Turkey, 2011

INTERNATIONAL SYMPOSIUM OF DRAMA IN EDUCATION, ISTANBUL UNIVERSITY / HASAN ALI YUCEL FACULTY OF EDUCATION, Attendee, İstanbul, Turkey, 2011

## Invited Talks

Art Education in Pandemic, Seminar, Kütahya Dumlupınar Üniversitesi, Turkey, November 2020

## Scholarships

2219 DOKTORA SONRASI ARAŐTIRMA BURSUSU, TUBITAK, 2014 - Continues

## Awards

Ünlüer Çimen A. A., IMA Olađanüstü Başarı Ödülü, Interactive Media Awards, August 2018

ÜNLÜER ÇİMEN A. A., Best Paper Award, Design Thinking Research Symposium, April 2012

## Artistic Activity

Ünlüer Çimen A. A., 25. Yıl Öğretim Elemanları Sergisi - İlk Çeyrek, Group Exhibition, November 2022

Ünlüer Çimen A. A., NKÜ Uluslararası Posta Sanatı Bienali, Group Exhibition, April 2019

Ünlüer Çimen A. A., Y.T.Ü. Art and Design Faculty 20. anniversary exhibition illustration, Group Exhibition, June 2018

Ünlüer Çimen A. A., 20. İstanbul Sanat Fuarı Görünmeyen İstanbul, Group Exhibition, October 2010

Ünlüer Çimen A. A., Y.T.Ü. Art and Design Faculty 10. anniversary exhibition illustration. April, 2007., Group Exhibition, June 2007

## Non Academic Experience

İletişim Tasarımcıları Meslek Kuruluşu Derneđi