

LEMAN FIGEN GÜL

PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: J-5706-2013

ScopusID: 25928500300

Yoksis Researcher ID: 31494



Learning Knowledge

Doctorate 2003 - 2007	University of Sydney, Architecture, Architecture, Australia
Postgraduate 2001 - 2003	University of Sydney, Design Computing, Architecture, Australia
Postgraduate 1993 - 1996	Mimar Sinan Fine Arts University, Institute Of Science, Kentsel Koruma Ve Yenileme (YI) (Tezli), Turkey
Undergraduate 1988 - 1993	Mimar Sinan Fine Arts University, Faculty Of Architecture, Department Of Architecture, Turkey

Foreign Languages

English

Dissertations

Doctorate, Understanding Collaborative Design in Different Environments: Comparing Face-to-Face Sketching to Remote Sketching and 3D Virtual Worlds, University Of Sydney, 2007

Postgraduate, Turizm gelişme bölgelerinde, turizmin korumaya sosyo-ekonomik etkileri, Mimar Sinan Güzel Sanatlar Üniversitesi, Fen Bilimleri Enstitüsü, Kentsel Koruma Ve Yenileme (YI) (Tezli), 1996

Academic Titles / Tasks

Professor 2017 - Continues	Istanbul Technical University, Mimarlık, Mimarlık
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Associate Professor

2014 - 2017

Istanbul Technical University, Mimarlık, Mimarlık

Associate Professor

2011 - 2014

Tobb University Of Economics And Technology, Fine Arts Faculty Of Design And Architecture, Department Of Architecture

Associate Professor

2009 - 2011

Uluslararası Saraybosna Üniversitesi, Architecture

Research Assistant

2007 - 2009

University Of Newcastle, Built Environment And Engineering, Architecture

Research Assistant

2005 - 2006

University of Sydney, Architecture, Design And Planning, Kcdcc

Supported Projects

1. Polat Pekmezci I., Almaç U., Gül M. M., Salman S. Y., Ağır A., Kahya Sayar Y., Gür E. A., Neftçi A., Arslan Dinçay D., Gül L. F., Project Supported by Higher Education Institutions, İTÜ Taşkışla Binasının Mimari ve Yapısal Özelliklerinin Araştırılması, 2021 - 2023
2. Üre N. K., Çakır M. A., Ögüdücü Ş., Ünal G., Eryiğit G., Tosun Kühn A., Oktuğ S. F., Kaya T., İnce G., Ovatman T., et al., Project Supported by Higher Education Institutions, Türkiye'nin Öncelikli Alanları için Yapay Zeka Teknolojileri Geliştirilmesi için Altyapı Oluşturma ve Ön Bilimsel Çalışmaları Başlatma, 2019 - 2022
3. Gül L. F., Alaçam S., HALICI S. M., Project Supported by Higher Education Institutions, Mimari Tasarım Sürecinde Kullanılabilecek Arttırılmış Gerçekliğe Dayalı Karma Modelleme Ortamı Önerisi, 2019 - 2022
4. Gül L. F., Yağmur Kilimci E. S., Özkar Kabakçioğlu M., Erasmus Project, MATERIART "Art and Science of Materiality in Architectural Design Education", 2017 - 2021
5. Gül L. F., Other International Funding Programs, Cepte Kent Rehberi: Arttırılmış Gerçeklik Uygulamasıyla Katmanlanan Gerçeklik, Zihinsel Mekan Haritalaması Süreçlerini Değiştirir mi?, 2018 - 2019
6. Gül L. F., Project Supported by Higher Education Institutions, İşbirlikli tasarım ve modellemede mobil arttırılmış gerçeklik araçlarının kullanımını anlamak üzerine bir çalışma, 2016 - 2018
7. Yağmur Kilimci E. S., Gül L. F., TUBITAK Project, Sanal Ortamlarda İşbirlikli Tasarımda Biliş Üzerine Bir Çalışma Var Olma Duygusu ve Temsil Sistemleri Tasarım Davranışını Değiştirir mi, 2015 - 2017
8. Gül L. F., Project Supported by Higher Education Institutions, 3B Parametrik Tasarım Teknolojilerinin Tasarımın Bilişsel Süreçlerine Olan Etkisi, 2015 - 2017
9. Gül L. F., Project Supported by Higher Education Institutions, İşbirlikli tasarım ve modellemede mobil arttırılmış gerçeklik araçlarının kullanımını anlamak üzerine bir çalışmaProje no 39976 BAP Birimi, 2016 - 2016
10. Gül L. F., TUBITAK Project, Türkiye deki Mimarlık Eğitiminde Mevcut Yönelimler ve Bilişim Teknolojileri, 2013 - 2014
11. Gül L. F., Williams A., Universities of Other Countries Supported Project, Markers on loads do safe handling prompts change behaviour, 2007 - 2009
12. Gül L. F., Universities of Other Countries Supported Project, Understanding the impact of 3D virtual worlds on design cognition, 2008 - 2008
13. Gül L. F., Universities of Other Countries Supported Project, Understanding design cognition, 2008 - 2008
14. Gül L. F., Maher M. L., Project Supported by Public Organizations in Other Countries, Team collaboration in high bandwidth virtual environments Cooperative Research Centre for Construction Innovation, 2005 - 2007

Awards

1. Gül L. F., FABFEST 2017, University of Westminster, June 2017
2. Gül L. F., Digital Fabrication, FABFEST London 2016, July 2016
3. Gül L. F., Young CAADRIA 2008, Caadria 2008:Chiang Mai, April 2008
4. Gül L. F., Dean's Honours List, University Of Sydney, November 2003
5. Gül L. F., Mezuniyet üçüncülüğü, Gürel Vakfı, June 1993

Jury Memberships

Competition, 18 Çuhadaroglu Öğrenci Yarışması, September, 2021

Associate Professor Exam, Associate Professor Exam, İstanbul Teknik Üniversitesi, March, 2019

Post Graduate, Tez Savunma, İTÜ Fen Bilimleri, December, 2017

Associate Professor Exam, Doçentlik Sınavı, Üniversiteler arası kurul, April, 2017

Designed Lessons

Gül L. F., Özkar Kabakçioğlu M., Yağmur Kilimci E. S., Intro.to Computational Design Tools and Methods, Undergraduate, 2017 - 2018

Gül L. F., Çağlar T. N., Mimari Tasarım, Sunum ve Araştırma Yöntem ve Teknikleri, Undergraduate, 2011 - 2012

Designed Programs

Gül L. F., Undergraduate, Uluslararası Saraybosna Üniversitesi, Mimarlık Programı, 2009 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Temporalities of a DIY biocomposite through material exploration**
Tümerdem D., Gül L. F.
Design Journal, vol.26, no.6, pp.900-918, 2023 (AHCI)
2. **Investigating embodied simulation experience in perception of architectural space**
Yanas E. A., Gül L. F.
COGNITIVE PROCESSING, vol.22, no.SUPPL 1, pp.36, 2021 (SSCI)
3. **Studying gesture-based interaction on a mobile augmented reality application for co-design activity**
Gül L. F.
JOURNAL ON MULTIMODAL USER INTERFACES, vol.12, pp.109-124, 2018 (SCI-Expanded)
4. **Methods for Assessing 3D Virtual Worlds in Design Education**
Gül L. F., Gu N., Kim M. J., Wang X.
CASES ON THE ASSESSMENT OF SCENARIO AND GAME-BASED VIRTUAL WORLDS IN HIGHER EDUCATION, pp.152-169, 2014 (SCI-Expanded)
5. **3D VIRTUAL WORLDS IN COLLABORATIVE DESIGN TEACHING**
Gül L. F.
METU JOURNAL OF THE FACULTY OF ARCHITECTURE, vol.28, no.2, pp.255-267, 2011 (AHCI)
6. **Evaluating design behaviour when using emerging collaboration technologies**
Gül L. F.
Architectural Engineering and Design Management, vol.5, no.3, pp.107-123, 2009 (SCI-Expanded)
7. **Co-creating external design representations: Comparing face-to-face sketching to designing in virtual environments**

Gül L. F., Maher M. L.

CODESIGN-INTERNATIONAL JOURNAL OF COCREATION IN DESIGN AND THE ARTS, vol.5, pp.117-138, 2009 (SCI-Expanded)

Articles Published in Other Journals

1. **The Digital Habitus of Architecture: Praxis of Design-oriented Internet Usage**
Taşdelen H. S., Gül L. F.
Journal of Computational Design, vol.4, no.1, pp.71-98, 2023 (Peer-Reviewed Journal)
2. **Exploring usability tests to evaluate designers' interaction with mobile augmented reality application for conceptual architectural design**
Durmazoğlu M. Ç., Gül L. F.
A/Z ITU Journal of the Faculty of Architecture, vol.19, no.1, pp.225-242, 2022 (Scopus)
3. **The Impact of Digital Technologies On Collaborative Design**
Gül L. F.
MEGARON, vol.15, no.1, pp.84-98, 2020 (ESCI)
4. **Preface**
Çağdaş G., Özkar M., Gül L. F., Gürer E.
Communications in Computer and Information Science, vol.724, 2017 (Scopus)
5. **The Changing Trends in Education**
Gül L. F.
FRONTIERS IN ICT, vol.2, 2015 (Scopus)
6. **The Impact Of Digital Design Representations On Synchronous Collaborative Behaviour**
Gül L. F.
Electronic Journal of Information Technology in Construction, vol.19, pp.47-71, 2014 (Scopus)
7. **Evaluating the modes of communication: A study of collaborative design in virtual environments**
Gül L. F., Wang X., Çağdaş G.
Electronic Journal of Information Technology in Construction, vol.17, pp.465-484, 2012 (Scopus)
8. **Evaluating the models of communication: a study of collaborative design in virtual environments**
Gül L. F., Wang X., Çağdaş G.
Journal of Information Technology in Construction, vol.17, pp.465-484, 2012 (Scopus)
9. **EVALUATIONG THE MODELS OF COMMUNICATION: A STUDY OF COLLABORATIVE DESIGN IN VIRTUAL ENVIRONMENTS**
Gül L. F., Wang X., Çağdaş G.
JOURNAL OF INFORMATION TECHNOLOGY IN CONSTRUCTION, vol.17, pp.465-484, 2012 (ESCI)
10. **Second Life - a Context for Design Learning**
Gu N., Gul L. F., Williams A., Nakapan W.
HIGHER EDUCATION IN VIRTUAL WORLDS: TEACHING AND LEARNING IN SECOND LIFE, pp.159-180, 2009 (Peer-Reviewed Journal)
11. **Affordances of Designing within the Design Do Design Media Change the Collaborative Design Behaviour and Interaction with the Artefact**
Gül L. F.
Journal of AIDIA, vol.8, no.3811, pp.7-16, 2008 (Peer-Reviewed Journal)
12. **Virtual Worlds as a Constructivist Learning Platform Evaluations of 3D Virtual Worlds on Design Teaching and Learning**
Gül L. F., Gu N., Williams T.
Electronic Journal of Information Technology in Construction, vol.13, no.1, pp.578-593, 2008 (Scopus)

Books & Book Chapters

1. **About Scientific Foundations of Design Education Reflections During the Pandemic**
Tuker Ç., Veryeri Alaca I., Gül L. F.
in: Connected To" New Methodologies in Online Visual Communication Design Education , Çetin Tuker,İlgım Veryeri Alaca,Leman Figen Gül, Editor, Mimar Sinan Güzel Sanatlar Üniversitesi, İstanbul, pp.7-84, 2023
2. **Computational Design in Architecture, 15th National Symposium Proceedings**
Çağdaş G. (Editor), Özkar M. (Editor), Gül L. F. (Editor), Alaçam S. (Editor), Gürer E. (Editor), Yazıcı S. (Editor), Delikanlı B. (Editor), Altun S. (Editor), Çavuş Ö. (Editor), Kırdar G. (Editor)
İstanbul Teknik Üniversitesi Yayınları, İstanbul, 2021
3. **Sentient Space 2: Immersed in the Soundscape of a City**
Gül L. F., Özkar M., Yağmur Kilimci E. S.
in: Materiart Student Workshops: The Deck,, Abbas,GM. Acar,S. Bancı,S. Çağlar,N. Ruhi-Sipahioğlu,I. Yılmaz,B., Editor, Caleidoscopio, Lisbon, pp.61-76, 2020
4. **Sentient Space: Immersing in Alternate Realities**
Gül L. F., Özkar M., Yağmur Kilimci E. S.
in: Materiart Student Workshops: The Figure, Abbas,GM. Acar,S. Bancı,S. Çağlar,N. Ruhi-Sipahioğlu,I. Yılmaz,B., Editor, Caleidoscopio., Lisbon, pp.80-101, 2020
5. **Digital Architecture Studios as Constructivist Activity in Design Teaching: Exploring New Ways of Model Making**
GÜL L. F.
in: Architectural Models as Learning Tools, Juliette D. Bekkering, Irene Curulli, Sjeff van Hoof, Editor, Caleidoscopio, Lisbon, pp.23-32, 2020
6. **Introducing the Computation in Architectural Design: An Example of a First Year Course with Parametric and Visual Programming Tools**
Gül L. F., Özkar M., Yağmur Kilimci E. S., Kanan A.
in: Gül, LF, Özkar, M, Yağmur Kilimci, EF, Kanan, A, (2019) ,(eds.) Materiality as a Process, Couceiro da Costa,M,Formiga,B. Abbas,GM., Editor, Caleidoscópio – Edição E Artes Gráficas, SA, Lisbon, pp.303-312, 2019
7. **Introducing the Computation in Architectural Design: An Example of a First Year Course with Parametric and Visual Programming Tools**
GÜL L. F., ÖZKAR KABAKÇIOĞLU M., YAĞMUR KİLİMCİ E. S., ÇEKMEŞ A.
in: MATERIALITY as a process, Manuel Couceiro da Costa, Bárbara Formiga, Günsu Merin Abbas, Editor, CALEIDOSCÓPIO, Lizbon, pp.303-312, 2019
8. **(eds) Communications in Computer and Information Science, Volume 724**
Çağdaş G., Özkar Kabakçioğlu M., Gül L. F., Gürer E.
Springer, London/Berlin , Singapore, 2017
9. **Future Trajectories of Computation in Design – Proceedings of the 17th International Conference on Computer Aided Architectural Design Futures**
Çağdaş G., Özkar M., Gül L. F., Gürer E.
Cenkler Matbaa, İstanbul, 2017
10. **Computer-Aided Architectural Design: Future Trajectories; Communications in Computer and Information Science, Volume 724**
Çağdaş G., Özkar M., Gül L. F., Gürer E.
Springer, London/Berlin , Singapore, 2017
11. **Computer-Aided Architectural Design. Future Trajectories**
Çağdaş G., Özkar M., Gül L. F., Gürer E.
Springer, London/Berlin , Berlin, 2017
12. **How Place and Representation Would Change the Co-design Behavior?**
Gül L. F.
in: Communications in Computer and Information Science, Çağdaş G.,Özkar Kabakçioğlu M.,Gül L.F.,Gürer E, Editor, Springer, London/Berlin , London, pp.212-230, 2017

13. **Studying Co-design - How Place and Representation Would Change the Codesign Behavior?**
Gül L. F., Uzun C., Halıcı S. M.
in: Computer-Aided Architectural Design. Future Trajectories, Gülen Çağdaş, Mine Özkar, Leman Figen Gül, Ethem Gürer, Editor, Springer, Singapore, pp.212-230, 2017
14. **Studying co-design: How Place and Representation Would Change the Co-design Behavior?**
GÜL L. F., Uzun C., Halıcı S. M.
in: Communications in Computer and Information Science, Çağdaş G., Özkar Kabakçioğlu M., Gül L.F., Gürer E., Editor, Springer, London, pp.212-230, 2017
15. **Notes and Presentations on the Workshop Experiences**
Gül L. F.
Ses Publishing House, Ankara, 2014
16. **Methods for assessing 3D virtual worlds in design education**
Gül L. F., GU N., Kim M., Wang X.
in: Social Media and Networking: Concepts, Methodologies, Tools, and Applications, I. Management Association , Editor, Igi Global Publications, Hershey, pp.152-174, 2014
17. **Framework of Collaborative Virtual Environments for Design Research**
Gül L. F., Wang X., Kim M.
in: Virtual Environments: Developments, Applications and Challenges, Stephanie Trautman and Franchesca Julien, Editor, Nova Science Publishers., Newyork, pp.110-120, 2013
18. **Constructivist Learning Theory in Virtual Design Studios**
Gül L. F., Williams A., Gu N.
in: Computational Design Methods and Technologies: Applications in CAD, CAM and CAE Education, Gu,N and Wang,X, Editor, Igi Global Publications, Singapore, pp.139-162, 2012
19. **The Introduction of a Problem Based Learning Approach to the Implementation of a Virtual Reality Context**
WILLIAMS A., GU N., Gül L. F.
in: Teaching and Learning in 3D Immersive Worlds, Cheney, A and Sanders, RL , Editor, Igi Global Publications, Singapur, pp.226-247, 2011
20. **Understanding the Role of Virtual Environments in Collaborative Design**
Gül L. F., WILLIAMS A., GU N.
in: Collaborative Working Environments for Architectural Design, Carrara, G, Fioravanti, A and Kalay, YE , Editor, Sapienza Universita Di Roma, Roma, pp.105-117, 2010
21. **Understanding Collaborative Design in Virtual Environments**
Gül L. F., MAHER M. L.
in: Technology, Design and Process, Innovation in the Built Environment, Newton, P, Hampson, K and Drogemuller, R , Editor, Spon Press, Taylor And The Francis Press, Oxon, pp.154-170, 2009
22. **The Impact of Embodiment on Design Cognition: A Method to Investigate Design Behaviour in Collaborative Design Environments**
Gül L. F., WILLIAMS A., GU N.
in: Computing, Cognition and Education; Recent Research in the Architectural Sciences, Michael O., Philip W.A. Gu N., Editor, University Of Newcastle, Sidney, pp.111-126, 2009
23. **Comparing Distance Collaborative Designing Using Digital Ink Sketching and 3D Models in Virtual Environments**
MAHER M. L., Bilda Z., Gül L. F., Marchant D.
in: Clients Driving Innovation: Moving Ideas into Practice, -, Editor, Crc, Sidney, pp.133-142, 2006

Refereed Congress / Symposium Publications in Proceedings

1. **Bodily Interactions in Cultural Heritage Focused Extended Reality**
Topaloğlu A. M., Gül L. F.

- C+++: Computation, Culture, and Context – Proceedings of the 11th International Conference of the Arab Society for Computation in Architecture, Art and Design , Amman, Jordan, 7 - 09 December 2023, vol.1, pp.568-584
2. **Fostering Cultural Heritage Awareness through Game Elements: Route Design for Mixed Reality Experience of the Yedikule Fortress**
Gül L. F., Yağmur Kilimci E. S., Güleç Özer D., Moralioglu B., Coşkun E.
C+++: Computation, Culture, and Context – Proceedings of the 11th International Conference of the Arab Society for Computation in Architecture, Art and Design, Amman, Jordan, 07 November 2023, vol.1, pp.652-666
 3. **[des-Fi]XR: Envisioning future spaces with XR technologies by using design fiction**
Moralioglu B., Gül L. F.
eCAADe 2023: Digital Design Reconsidered, Graz, Austria, 20 - 22 September 2023, pp.873-882
 4. **A System for Truss Manipulation with Relative Robots: Designing and Prototyping HookBot**
Delikanlı B., Gül L. F.
20th International Conference on Computer-Aided Architectural Design Futures, CAAD Futures 2023, Delft, Netherlands, 5 - 07 July 2023, vol.1819 CCIS, pp.393-409
 5. **The Role of Game Space on Spatial Knowledge Acquisition in Archaeological Sites: A Pilot Study**
Karahan S., Gül L. F.
41st Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2023, Graz, Austria, 20 - 22 September 2023, vol.2, pp.651-660
 6. **Architectural Form Explorations through Generative Adversarial Networks: Predicting the potentials of StyleGAN**
Eroğlu R., Gül L. F.
40th Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.2, pp.575-582
 7. **Utilizing Generative Adversarial Networks for Augmenting Architectural Massing Studies: AI-assisted Mixed Reality**
Halıcı S. M., Gül L. F.
40th Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.1, pp.323-330
 8. **Towards to the Hyperautomation: An integrated framework for Construction 4.0: A case of Hookbot as a distributed reconfigurable robotic assembly system**
Delikanlı B., Gül L. F.
40th Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.2, pp.389-398
 9. **Designing emotion animations as storytelling element in video games**
Atila D. K., Gül L. F.
Computational Design in Architecture, 15th National Symposium , İstanbul, Turkey, 28 - 29 June 2021, pp.82-93
 10. **Mapping Current Trends on Gamification of Cultural Heritage**
Karahan S. G., Gül L. F.
the proceedings of the PUDCAD Universal Design Practice Conference: Game Design Education, İstanbul, Turkey, 24 - 26 June 2020
 11. **Social Network Analysis of Digital Design Actors: Exploratory Study Covering the Journal Architectural Design**
Taşdelen H. S., Gül L. F.
ASCAAD 2021 , Cairo, Egypt, 2 - 04 March 2021, pp.222-223
 12. **'Increasing Women Entrepreneurship' Workshop in ITU Teknokent**
Güven E. B., Gül L. F., Karahan S., Ögüdücü Ş.
7th International Conference on Gender Studies, Gender, Space, Place Culture., Lefkoşa, Cyprus (Kktc), 10 - 12 October 2019
 13. **Mimari Tasarım Sürecinin Erken Evrelerinde Kullanılacak bir AG Uygulamasının Geliştirilmesi ve Kullanılabilirlik Değerlendirmesi Yöntemi ile Değerlendirilmesi**
Durmazoğlu Ç., Gül L. F.

13. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu MSTAS 2019, Kocaeli, Turkey, 1 - 02 June 2019, pp.99-118
14. **Türkiye’de AG Konusunda Gerçekleştirilen Çalışmalara Kısa bir Bakış: Geçmiş, Güncel Çalışmalar ve Yeni Ufuklar**
Durmazoğlu Ç., GÜL L. F.
13. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu MSTAS 2019, Kocaeli, Turkey, 1 - 02 June 2019, pp.119-136
15. **Introducing the Computation in Architectural Design: an example of a first year course with Parametric and Visual Programming Tools**
Gül L. F., Özkır M., Yağmur Kilimci E. S., Çekmiş A.
Materiality as a process, Lisbon, Portugal, 11 - 12 April 2019, pp.303-312
16. **Studying Arcitectural Massing Strategies in Co-Design**
Gül L. F.
eCAADe 2017 ShoCK! Sharing of Computable Knowledge!, Sheffield, England, 20 - 22 September 2017, vol.2, pp.703-710
17. **Studying co-design: How place and representation would change the co-design behavior?**
Gül L. F., Uzun C., Halıcı S. M.
17th International Conference on Computer-Aided Architectural Design, CAAD Futures 2017, İstanbul, Turkey, 12 - 14 July 2017, vol.724, pp.212-230
18. **Designing as a Team by Utilizing Analogue Media versus a Computational Tool for Parametric Modelling Lessons Learnt form a Study in Education**
Yağmur Kilimci E. S., Gül L. F.
CAAD FUTURES 2017, İstanbul, Turkey, 12 - 14 July 2017, pp.374-388
19. **Mimarlıkta Dijital Piyasa: Mimari Tasarım Süreçlerinde Yazılım Teknolojisi Politikaları**
Taşdelen H. S., Gül L. F.
MSTAS 2017İmkansız Mekanlar, Ankara, Turkey, 14 - 15 June 2017
20. **Digital Marketing in Architecture: Politics of Software Technologies in Architectural Design Process**
Taşdelen S., Gül L. F.
11. MSTAS 2017, İmkansız Mekanlar, Olanaksızın Olanağı, Ankara, Turkey, 14 - 15 June 2017, pp.114-121
21. **Studying Architectural Massing Strategies in Co-design Mobile Augmented Reality Tool versus 3D Virtual World**
Gül L. F.
35th International Conference on Education and Research in Computer Aided Architectural Design in Europe, eCAADe 2017, Rome, Italy, 20 - 22 September 2017, vol.2, pp.703-710
22. **Understanding the Impact of Mobile Augmented Reality on Co-design Cognition and Co-modelling**
Gül L. F., Halıcı M., Uzun C., Esengün M.
13th International Conference on Cooperative Design, Visualization, and Engineering (CDVE), Sydney, Australia, 24 - 27 October 2016, vol.9929, pp.362-370
23. **Arttırılmış Gerçeklik Ortamının Tasarım Sürecinde Kullanımı Tasarımla Etkileşimi Nasıl Etkiler?**
Gül L. F., Halıcı S. M., Uzun C., Esengün M.
X. Mimarlıkta Sayısal Tasarım Sempozyumu, İstanbul, Turkey, 24 - 28 June 2016, vol.1
24. **Collaborative Design with Mobile Augmented Reality**
Gül L. F., Halıcı S. M.
34th eCAADe Conference (eCAADe), Oulu, Finland, 24 - 26 August 2016, pp.493-500
25. **Understanding the Employment of Digital Design Tools in Architectural Education in Turkey**
Gül L. F., Çağdaş G., Gül M. M., Çağlar N.
ICONARCH II, Architecture and Technology International Congress, Konya, Turkey, 20 - 22 October 2014, pp.188-199
26. **Embedding Digital Media in Architecture**
Gül L. F.
ICONARCH I, Architecture and Technology International Congress, Konya, Turkey, 15 October 2012 - 17 October 2014, pp.303-312
27. **Integration of Digital Fabrication in Architectural Curricula**

- Gül L. F., Simisic L.
FabLearn Europe 2014, Digital Fabrication Conference, Arhus, Denmark, 15 - 16 June 2014
28. **Understanding Design Practice, A Case Of Turkey: How Really We Employ Digital Tools For Everyday Designing**
Benan Ş., Gül L. F.
Proceedings of the 2nd ICAUD International Conference in Architecture and Urban Design, Tirane, Albania, 8 - 10 May 2014
29. **Türkiye de imarlık Eğitimi ve Bilişim Teknolojileri**
Gül L. F., Çağdaş G., Çağlar T. N., Gül M. M., Ruhi Sipahioğlu I., Balaban Ö.
VII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Sayısal tasarım entropi yaratıcılık, İstanbul, Turkey, 27 - 28 June 2013, pp.11-16
30. **Mimarlık Eğitiminde Bilişim Teknolojileri**
GÜL L. F., ÇAĞDAŞ G., ÇAĞLAR T. N., GÜL M. M.
XXXVI. MOBBİG, İstanbul, Turkey, 2 - 03 May 2013
31. **Türkiye’de Mimarlık Eğitimi ve Bilişim Teknolojileri**
Gül L. F., Çağdaş G., Çağlar T. N., Gül M. M., Sipahioğlu I. R., Balaban Ö.
Mimarlıkta Sayısal Tasarım Sempozyumu, İTÜ, İstanbul, Turkey, 2 - 04 March 2013
32. **Educating New Generation of Architects**
Guel L. F.
30th International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe), Prague, Czech Republic, 12 - 14 September 2012, pp.77-85
33. **What we learnt from design teaching in collaborative virtual environments**
Guel L. F.
29th Conference on Education in Computer Aided Architectural Design in Europe (eCAADe), Ljubljana, Slovenia, 21 - 24 September 2011, pp.203-211
34. **Studying Affordances of Digital Design Modes**
Gül L. F.
THE Sense & Sensibility of ERGONOMICS IN DESIGN, 6th UNIDCOM/IADE International Conference, Lizbon, Portugal, 10 - 12 June 2011
35. **The Bologna Process and Its Impact on Higher Education at Bosnia and Herzegovina**
Gül L. F., Gül M. M.
International Higher Education Congress: New Trends and Issues, Ankara, Turkey, 27 - 29 May 2011
36. **Evaluating Software Support for Multimedia Data Analysis in Design Studies**
Gül L. F.
3rd European Workshop on Computer-Aided Qualitative Research 2010, CAQRE 2010, Lizbon, Portugal, 7 - 08 September 2010
37. **METHODS FOR EVALUATING 3D VIRTUAL WORLDS IN DESIGN EDUCATION**
Gu N., Guel L. F., WILLIAMS A.
11th International Design Conference (DISIGN), Dubrovnik, Croatia, 17 - 20 May 2010, pp.1259-1266
38. **STUDYING EMBODIED INTERACTION WITH THE DESIGN ENVIRONMENT: WHAT IS THE ROLE OF PRESENCE IN DESIGN?**
Guel L. F.
11th International Design Conference (DISIGN), Dubrovnik, Croatia, 17 - 20 May 2010, pp.1315-1324
39. **Sanal Dünyada İşbirlikli Mimari Tasarım**
Gül L. F.
Mimarlıkta Sayısal Tasarım 2010, İstanbul, Turkey, 10 - 11 May 2010, pp.35-38
40. **NU Genesis**
Nakapan W., Gu N., Gül L. F., Williams A.
14th Conference on Computer-Aided Architectural Design Research in Asia: Between Man and Machine - Integration, Intuition, Intelligence, 2009 TAIWAN CAADRIA, Douliou, Yunlin, Taiwan, 22 - 24 April 2009, pp.257-265

41. **Evaluating the use of 3D virtual worlds in collaborative design learning**
Gu N., Nakapan W., Williams A., Gül L. F.
13th International CAAD Futures Conference: Joining Languages, Cultures and Visions, CAADFutures 2009, Montreal, Canada, 15 - 16 June 2009, pp.51-64
42. **Studying the Impact of Immersion on Design Cognition**
Guel L. F.
27th Conference on Education and Research in Computer Aided Architectural Design in Europe, İstanbul, Turkey, 16 - 19 September 2009, pp.615-622
43. **Conquering New Worlds**
Gu N., Gül L. F., Williams A., Walaiporn N.
Proceedings of the 14th International Conference on Computer Aided Architectural Design Research in Asia, Chiang Mai, Thailand, 22 - 25 April 2009, pp.153-164
44. **Evaluating the Use of 3D Virtual Worlds in Collaborative Design LearningI**
Gu N., Nakapan W., Williams A., GÜL L. F.
CAAD Futures 2009, Montreal, Canada, 1 - 03 April 2009
45. **Understanding the Impact of Digital Media on Design Cognition**
Gül L. F.
the 3rd International Conference on Design Principles and Practices, Berlin, Germany, 15 - 16 February 2009
46. **Affordances of virtual environments: Do design media change the interaction with the design representation?**
Gül L. F.
13th International Conference of the Association for Computer-Aided Architectural Design Research in Asia 2008, CAADRIA 2008, Chiang Mai, Thailand, 9 - 12 April 2008, pp.213-220
47. **Affording Embodiment in Collaborative Virtual Environments What is the Role of Presence in Collaborative Design**
Gül L. F.
The 11th Annual International Workshop on Presence, Presence 2008, Rome, Italy, 16 - 18 October 2008, pp.297-304
48. **Working Together or Not? That is the Design Collaboration**
Gül L. F.
Virtual Worlds, Collaboration, and Workplace Productivity Workshop, Computer Supported Collaborative Work, CSCW 2008, Massachusetts, United States Of America, 9 - 10 October 2008
49. **Global teamwork: a study of design learning in collaborative virtual environments**
Gül L. F., Wang X., Çağdaş G., Bülbül T., Tong H.
Undisciplined! Design Research Society Conference, Sheffield, England, 16 - 19 July 2008
50. **Digital Technologies as Place Making Elements in Built Environment Designs**
GU N., MAHER M. L., Gül L. F., WILLIAMS A.
The 5th International Conference on Innovation in Architecture, Engineering and Construction, Antalya, Turkey, 5 - 07 June 2008
51. **Understanding the Role of Emerging Technologies in Design Communication**
Gül L. F., MAHER M. L.
the 5th International Conference on Innovation in Architecture, Engineering and Construction, Antalya, Turkey, 5 - 07 June 2008
52. **Understanding the Role of Visual Cues on Human Decision Making**
Guest M., WILLIAMS A., Gül L. F.
International Design Conference Cumulus, Kyoto, Japan, 28 - 30 March 2008
53. **A Method to Investigate Design Cognition in Virtual Environments**
Gül L. F., GU N., WILLIAMS A.
ANZAScA 2008: Proceedings of the 42nd Annual Conference of the Australian and New Zealand Architectural Science Association, Sidney, Australia, 10 - 12 January 2008, pp.261-270
54. **Understanding the Role of Virtual Environments in Collaborative Design**

Gül L. F., WILLIAMS A., GU N.

Proceedings of the 1st International Workshop on Collaborative Working Environments for Architectural and Building Design, CollABD 2007, Roma, Italy, 8 - 10 November 2007

55. **A new approach to design education: Evaluations of 3D virtual worlds on design teaching and learning**

GÜL L. F., Gu N., Williams A.

7th International Conference on Construction Applications of Virtual Reality, 22 - 23 October 2007, pp.40-49

56. **Confluence of the Real and Virtual**

WILLIAMS A., GU N., Sher W., Gül L. F.

IASDR'07: International Association of Societies of Design Research, Kowloon, Hong Kong, 12 - 15 October 2007

57. **Understanding design collaboration: Comparing face-to-face sketching to designing in virtual environments**

GÜL L. F., Maher M. L.

Proceedings IASDR 2007, The International Association of Societies of Design Research, Hong Kong, 6 - 09 September 2007

58. **Designing and learning in 3D virtual worlds**

Gu N., Williams A., GÜL L. F.

Proceedings of the IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA 2007), Sidney, Australia, 5 - 06 August 2007

59. **Designing Virtual Worlds: A case study of design education in and of 3D virtual worlds**

GÜL L. F., Gu N., Maher M. L.

ConnectED'xx07, International Conference of Design Education, 9 - 12 July 2007, pp.1-5

60. **Designing and learning within the design**

GU N., Guel L. F., MAHER M. L.

12th International Conference on Computer-Aided Architectural Design Research in Asia, Nanijing, PEOPLES R CHINA, 19 - 21 April 2007, pp.127-132

61. **Designing and learning within the designA Case Study of Principles for Designing and Teaching 3D Virtual Worlds'**

Gu N., GÜL L. F., Maher M. L.

CAADRIA 2007: Proceedings of the 12th International Conference on Computer-Aided Architectural Design Research in Asia, Nanijing, China, 19 - 21 April 2007, pp.127-132

62. **Study of Design Collaboration in Virtual Environments: Interacting With the External Design Representation**

Gül L. F.

Proceedings of the Workshop - Spatial Cognition in Architectural Design. Anticipating User Behaviour, Layout Legibility, and Route Instructions in the Planning Process, Melbourne, Australia, 5 - 07 March 2007

63. **Studying collaborative design in face to face, remote sketching, and 3d virtual world environments**

Maher M. L., Bilda Z., Gül L. F., Marchant D.

11th International Conference of the Association for Computer-Aided Architectural Design Research in Asia 2006, CAADRIA 2006, Kumamoto, Japan, 31 March - 02 April 2006, pp.553-555

64. **Studying Design Collaboration in DesignWorld: An Augmented 3D Virtual World**

GÜL L. F., Maher M. L.

International Conference on Computer Graphics, Imaging and Visualisation (CGIV'xx06), Sidney, Australia, 26 - 28 July 2006

65. **Studying Design Behavior in Collaborative Virtual Environments**

MAHER M. L., Gül L. F., Bilda Z.

Proceedings of 16th World Congress on Ergonomics (IEA2006 Congress), Maastricht, Netherlands, 6 - 08 June 2006

66. **Impact of Collaborative Virtual Environments on Design Behavior**

Maher M. L., Bilda Z., Gül L. F.

Design Computing and Cognition'06, Amsterdam, Netherlands, 12 - 14 May 2006, pp.305-321

67. **Impact of collaborative virtual environments on design behaviour**
Maher M. L., GÜL L. F.
Design Computing and Cognition, Sydney, Australia, 1 - 05 January 2006, pp.305-321
68. **Studying Design Collaboration in Virtual Worlds**
MAHER M. L., Bilda Z., Gül L. F., Marchant D.
Studying Designers'05, Sydney, Australia, 12 - 14 September 2005, pp.291-305
69. **Navigation in Virtual Worlds**
Gül L. F.
5th APRU Doctoral Students Conference, Sydney, Australia, 11 - 12 September 2004
70. **New Directions In Postgraduate Training For Heritage Conservation Professionals In New South Wales, Australia**
Howells T., Gül L. F., Gül M. M.
Proceedings of 7th International Symposium of the OWHC, Rodos, Greece, 8 - 10 August 2003

Other Publications

1. **Türkiye 'de Mimarlık Eğitiminde Mevcut Yönelimler ve Bilişim Teknolojilerinin Rolü**
Gül L. F., Çağdaş G., Çağlar T. N., Gül M. M.
Other, pp.1-200, 2014

Academic and Administrative Experience

2020 - Continues	Head of Department	Istanbul Technical University, Lisansüstü Eğitim Enstitüsü
2017 - Continues	Fakülte Akademik Kurul Üyesi	İstanbul Teknik Üniversitesi, Oyun Ve Etkileşim Teknolojileri
2015 - Continues	Fakülte Akademik Kurul Üyesi	İstanbul Teknik Üniversitesi, Mimarlıkta Bilişim (YI) (Tezli)
2019 - 2022	Erasmus Program Institutional Coordinator	Istanbul Technical University, Mimarlık, Mimarlık
2019 - 2022	Manager of Research and Application Center	Istanbul Technical University, Mimarlık, Mimarlık
2014 - 2014	Assistant Director of the Institute	Tobb Ekonomi Ve Teknoloji Üniversitesi, Fen Bilimleri Enstitüsü, Mimarlık (YI) (Tezli)

Courses

Architectural Design Studio 6, Undergraduate, 2018 - 2019
Introduction to Computational Design Tools and Methods in Architecture, Undergraduate, 2018 - 2019
Essentials of 3D Modelling for Game Design, Postgraduate, 2017 - 2018
Temel Eğitim Stüdyosu II, Undergraduate, 2017 - 2018
Intro.to Computational Design Tools and Methods, Undergraduate, 2017 - 2018
Architectural Design V, Undergraduate, 2017 - 2018
Mimari Proje 5, Undergraduate, 2016 - 2017

Architectural Design VI, Undergraduate, 2016 - 2017
Digital Graphics & Representation, Undergraduate, 2016 - 2017
Architectural Design IV, Undergraduate, 2017 - 2018
Digital Culture in Creative Industries, Postgraduate, 2017 - 2018
Digital Graphics and Representation of Design Intent, Undergraduate, 2016 - 2017
Digital Culture in Creative Industries, Postgraduate, 2016 - 2017
Architectural Design Studio 6, Undergraduate, 2016 - 2017
Sanal tasarım Stüdyosu, Postgraduate, 2015 - 2016
Digital Architectural Design Studio, Postgraduate, 2015 - 2016
MİMARİ TASARIM STÜDYOSU 3, Undergraduate, 2015 - 2016
Mimari Tasarım Stüdyosu 5, Undergraduate, 2014 - 2015

Advising Theses

Gül L. F., Yeni fenomen algoritmalar: çekışmeli üretken ağların mimarlıktaki potansiyelleri üzerine bir araştırma, Postgraduate, R.EROĞLU(Student), 2021
Gül L. F., Designing and testing a virtual reality online shopping application, Postgraduate, E.KILIÇ(Student), 2021
Gül L. F., Use of smart materials in the design of dynamic intelligent surfaces, Postgraduate, B.ÜRKMEZ(Student), 2019
Gül L. F., Yapay zekânın tasarımcıyla işbirliği ve tasarıma olan etkisi, Postgraduate, M.KARSLI(Student), 2019
Gül L. F., Phenomenology of architecture: A study on architectural experience and design, Postgraduate, A.YILMAZ(Student), 2019
Gül L. F., Developing computational dialogue interface on freeform paneling for cost efficiency, Postgraduate, B.TOPALOĞLU(Student), 2019
Gül L. F., Design and Development of a Spatial Interface Toolkit Using Mixed Reality Technologies for Autistic People with Sensory Processing Disorder, Postgraduate, B.Moralioğlu(Student), 2018
Gül L. F., Mimarlığın dijital habitusu: Erken tasarım sürecinde internet kullanımı, Postgraduate, H.SÜMEYYE(Student), 2018
Gül L. F., Geleneksel Samsun evi örneğinde gerçeğin katmanlaşmasının kolektif belleğe etkisi, Postgraduate, G.ÖZEROL(Student), 2018
Gül L. F., Bambu malzeme davranışına bir model olarak kabuk strüktür tasarım ve şekil optimizasyonu, Postgraduate, E.DEMİREL(Student), 2018
Gül L. F., Çok kullanıcı oyunlarda kullanılan mekanların eğlence, sarmalanma ve bulunma unsurları üzerindeki etkisi, Postgraduate, A.ŞEN(Student), 2018
Gül L. F., MOBİL ARTIRILMIŞ GERÇEKLIK İLE İŞBİRLİKLİ TASARIM ÜZERİNE BİR ÇALIŞMA, Postgraduate, S.Müge(Student), 2017

Design

1. Gül L. F., Ökten S., Mosque Design of Inegol OSB, Building Design / Architectural Project, November 2012

Activities in Scientific Journals

AZ İTÜ Mimarlık Fakültesi Dergisi, Committee Member, 2020 - Continues
Frontiers ICT- Digital Education, Assistant Editor/Section Editor, 2015 - Continues

Scientific Refereeing

ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN, ANALYSIS AND MANUFACTURING: AIEDAM, Journal Indexed in

AHCI, May 2023

Project Supported by Higher Education Institutions, January 2018

Journal of Multimodal User Interfaces, SCI Journal, October 2017

Project Supported by Higher Education Institutions, October 2017

Journal on Multimodal User Interfaces, SCI Journal, April 2017

FP7 Project, FP7 Project, European Commission, Belgium, November 2013

Scientific Consultations

TÜBİTAK, Project Consultancy, Istanbul Technical University, Mimarlık, Mimarlık, Turkey, 2016 - Continues

Tasks In Event Organizations

Gül L. F., Placeness, Workshop Organization, İstanbul, Turkey, Nisan 2019

Çağdaş G., Özkar Kabakçioğlu M., Gül L. F., Gürer E., CAADFutures 2017, Scientific Congress, İstanbul, Turkey, Temmuz 2017

Gül L. F., Augmented Cube, Workshop Organization, İstanbul, Turkey, Temmuz 2017

Gül L. F., Gül M. M., Days of Oris: World Architects Meet in Ankara (Oris Günleri – Dünya Mimarları Ankara'da Buluşuyor), Scientific Congress, Ankara, Turkey, Mayıs 2012

Gül L. F., Gu N., Ostwald M., Williams A., ANZAScA 2008, Scientific Congress, Newcastle, Australia, Kasım 2008

Scientific Research / Working Group Memberships

Sosyal İnovasyon Uygulama Ve Araştırma Merkezi, Istanbul Technical University, Turkey, itu.edu.tr, 2019 - Continues

Türkiye Hesaplamalı Tasarım Araştırmaları ve Eğitimi Ağı, İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey,

<http://www.codenetwork.info/>, 2017 - Continues

Bilim Mühendislik Ve Teknolojide Kadın Araştırmaları Uygulama Merkezi, Istanbul Technical University, Turkey, www.kaum.itu.edu.tr, 2018 - 2021

Mobility Activity

Bilateral Colloboration Agreement, Guest Researcher, Macquaire University, Australia, 2018 - 2018

Metrics

Publication: 117

Citation (WoS): 50

Citation (Scopus): 198

H-Index (WoS): 4

H-Index (Scopus): 7

Congress and Symposium Activities

CAAD Futures 2017, Session Moderator, İstanbul, Turkey, 2017

Invited Talks

Cultural Heritage and Gaming, Seminar, Massachusetts Institute of Technology, United States Of America, October 2022
VR Days 2021, Seminar, Turkey, November 2021
Embedding Digital Media in Architecture, Seminar, University of Oulu, Finland, September 2012
Digital Design Fabrication, Seminar, University of Oulu, Finland, September 2012
SERES IV. Uluslararası Katılımlı Seramik, Cam, Emaye ve Boya Semineri, The Use of Glass in Contemporary Architecture, Conference, Anadolu Üniversitesi, Turkey, November 2007

Research Areas

Computer Sciences, Architecture, Building Information, Architectural Design, Engineering and Technology

Non Academic Experience

State Agency, Newcastle Üniversitesi
State Agency, Sidney Üniversitesi