

Assoc. Prof. Sema Alaçam

Personal Information

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Publons / Web Of Science ResearcherID: J-9650-2017

ScopusID: 56026097700

Yoksis Researcher ID: 152924

Biography

Dr. Sema Alaçam is an architect and faculty member at Istanbul Technical University (ITU), Faculty of Architecture. She has research experience from TU Delft, Hyperbody Research Group (2006-2007), ETH Zurich, Chair of Structural Design in 2013-2014, University of Oregon, Department of Philosophy (2017), UVSQ END-ICAP (2018). Apart from the undergraduate architectural design studio, she teaches various graduate courses related to the computational design and digital fabrication approaches in architecture.

Education Information

Post Doctorate, Université de Versailles Saint-Quentin-en-Yvelines, Instituts Thématiques, End-Icap Laboratory, France 2017 - 2018

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimari Tasarımda Bilişim (Dr), Turkey 2008 - 2014

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Mimari Tasarımda Bilişim (YI) (Tezli), Turkey 2005 - 2008

Undergraduate, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 1999 - 2005

Foreign Languages

English

Dissertations

Doctorate, BODILY EXPERIENCE AND SPATIAL THINKING IN ARCHITECTURAL DESIGN PROCESS, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimari Tasarımda Bilişim (Dr), 2014

Postgraduate, Mimari tasarımda işbirliği sürecinde kullanılabilecek bir arayüz önerisi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimari Tasarımda Bilişim (YI) (Tezli), 2008

Research Areas

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Mimarlık, Mimarlık, 2019 - Continues
Assistant Professor, Istanbul Technical University, Mimarlık, Mimarlık, 2018 - 2023
Assistant Professor, Université de Versailles Saint-Quentin-en-Yvelines, Instituts Thématiques, End-Icap Laboratory, 2017 - 2018
Assistant Professor, Istanbul Technical University, Mimarlık, Mimarlık, 2014 - 2018
Research Assistant PhD, University of Oregon, Faculty Of Philosophy, Department Of Philosophy, 2017 - 2017
Research Assistant, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Architecture, Architecture, 2013 - 2014
Research Assistant, Istanbul Technical University, Fen Bilimleri Enstitüsü, Architectural Design Computing, 2007 - 2014

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Oyun Ve Etkileşim Teknolojileri Yüksek Lisans Programı, Oyun Ve Etkileşim Teknolojileri Anabilim Dalı, 2017 - Continues
İstanbul Teknik Üniversitesi, Mimarlık Fakültesi, Mimarlık Bölümü, Mimarlık Bölümü, 2016 - Continues
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimari Tasarım Anabilim Dalı, Mimari Tasarım Lisansüstü Programı, Mimari Tasarım, 2016 - Continues
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Mimari Tasarım Anabilim Dalı, Mimari Tasarım (Tezsiz) , Mimari Tasarım, 2015 - Continues
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilişim Anabilim Dalı, Mimari Tasarımda Bilişim Lisansüstü Programı, Bilişim Anabilim Dalı, 2015 - Continues
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Bilişim Anabilim Dalı, Mimari Tasarımda Bilişim Lisansüstü Programı, Bilişim Anabilim Dalı, 2015 - Continues
Deputy Head of Department, Istanbul Technical University, Mimarlık, Mimarlık, 2021 - 2022
Program Koordinatörü, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, Bilişim Anabilim Dalı, 2018 - 2021

Courses

MTS531 - Mimari Tasarımda Özel Konular, Postgraduate, 2018 - 2019
MBL696 - Bilimsel Araştırma Etik ve Seminer , Doctorate, 2018 - 2019
EARC206 - Computer-Aided Design II, Undergraduate, 2018 - 2019
TES121E - Project II, Undergraduate, 2018 - 2019
MBL532 - Mimari Tasarımda Grafik Programlama, Postgraduate, 2018 - 2019, 2017 - 2018
MBL596 - Bilimsel Araştırma Etik ve Seminer , Postgraduate, 2018 - 2019
MBL597 - Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019
TES122E - Visual Communication 2: Visualization&Perspective, Undergraduate, 2018 - 2019
MIM210 - Bilgisayar Destekli Tasarım 2, Undergraduate, 2018 - 2019
MTZ503E - Computer Applications in Architecture, Postgraduate, 2018 - 2019
TES112E - Visual Communication 1: Visualization and Technical Drawing, Undergraduate, 2018 - 2019
MBL517E - Digital Fabrication & Prototyping in Architectural Design, Postgraduate, 2018 - 2019
MIM4902 - Diploma Projesi, Undergraduate, 2018 - 2019
MTS531E - Special Topics in Architectural Design, Postgraduate, 2018 - 2019
TES111E - Project 1, Undergraduate, 2018 - 2019
MIM209 - Bilgisayar Destekli Tasarım, Undergraduate, 2018 - 2019

MBL531E - Computer Programming in Architecture, Postgraduate, 2018 - 2019
YARCH205 - Computer-Aided Design I, Undergraduate, 2018 - 2019
TES112E - Visual Communication 1: Visualization and Technical Drawing, Undergraduate, 2016 - 2017, 2015 - 2016
MTZ503E - Computer Applications in Architecture, Postgraduate, 2016 - 2017, 2015 - 2016
MBL531E - Computer Programming in Architecture, Postgraduate, 2016 - 2017, 2015 - 2016
BLG346E - Basics of Visual Composition, Undergraduate, 2016 - 2017, 2015 - 2016
MBL513E - Digital Architectural Design and Modeling, Postgraduate, 2016 - 2017, 2015 - 2016
TES121E - Project 2, Undergraduate, 2016 - 2017, 2015 - 2016
TES111E - Project 1, Undergraduate, 2016 - 2017, 2015 - 2016
MBL516E - Interaction Tools and Environments in Digital Design, Postgraduate, 2016 - 2017
MBL517E - Digital Fabrication and Prototyping in Architectural Design, Postgraduate, 2016 - 2017
IMT514E - Digital Representation Techniques for Interior Design, Postgraduate, 2016 - 2017
MBL516E - Interaction Tools and Environments in Architectural Design, Postgraduate, 2015 - 2016
TES122E - Visual Communication 2: Visualization and Perspective, Undergraduate, 2015 - 2016
MBL602 - Mimari Tasarımda Karar Destek Sistemleri, Doctorate, 2014 - 2015
MBL532 - Mimari Tasarımda Grafik Programlama, Postgraduate, 2014 - 2015
MIM115 - Mimari Proje II ve Anlatım Teknikleri, Undergraduate, 2014 - 2015

Advising Theses

Alaçam S., Exploring the role of game mechanics in generating spatial compositions: Snaris case, Postgraduate, O.CAN(Student), 2023
Alaçam S., Tınç H. K., An entropy-based analysis approach for 3D game environments utilizing proximity of game assets, Postgraduate, E.İZEL(Student), 2023
Alaçam S., Tınç H. K., Deconstruction of Player Motivation in Hypercasual Games, Postgraduate, H.KOCAKUŞAKLI(Student), 2023
Alaçam S., Balaban Ö., Mimari Kesit Aracıyla Sentetik Üretim: Oditoryum Örneği, Postgraduate, Ş.BARIŞ(Student), 2023
Alaçam S., Güzelci O. Z., Evaluation of geometric features and construction technique of Harran houses in context of computational performance, Postgraduate, S.GÜLMÜŞ(Student), 2023
Alaçam S., Investigating Sense of Community Through Blended Space, Postgraduate, B.SOYBİLGE(Student), 2023
Alaçam S., RIZOBot: Collective Form Finding Through Swarm Robotics, Postgraduate, O.BALCI(Student), 2022
Alaçam S., Procedural approaches in open-world games: Game artists' perspective, Postgraduate, C.ÖZMEN(Student), 2022
Köse H., Alaçam S., Object manipulation through intuitive hand gestures in virtual reality: The relation between objects' spatial properties and gestures, Postgraduate, E.SIRDAŞ(Student), 2022
Alaçam S., YAPARAK ÖĞRENME VE DİJİTAL FABRİKASYONUN KESİŞİMİ: KENDİ ARACINI TASARLAMAK, Postgraduate, E.ÜNLÜ(Student), 2022
Alaçam S., A parametric design proposal for multi-story residential buildings to enhance daylight performance, Postgraduate, H.OĞUZ(Student), 2021
Alaçam S., Revisiting the dome and lower support systems of the Sinan period mosques with digital stereotomy approach, Postgraduate, N.SANCAK(Student), 2021
Alaçam S., Simpoiesis: A mereological approach on architectural object, Postgraduate, E.SEVİNÇ(Student), 2021
Alaçam S., Designing an augmented reality based city building game using cellular automata, Postgraduate, Ş.ATILLA(Student), 2020
Alaçam S., Implementation of multi-objective genetic algorithms for optimization of site layout planning: TOKİ Ayazma and Şahinbey cases, Postgraduate, N.YÜKSEL(Student), 2020
Alaçam S., A computational approach to create aperiodic tilings through orthographic projection of the nd cube, Postgraduate, M.AKDOĞAN(Student), 2019
Alaçam S., Enhancing multidisciplinary design process in the context of industrial plant projects: Actors, tools, flows, Postgraduate, H.YASAK(Student), 2019

Alaçam S., Cenani Durmazoğlu Ş., Re-Interpretation of Traditional Rug Motifs with Algorithm-Based Design Approaches, Postgraduate, Y.AN(Student), 2019

Alaçam S., Avmlerin fijiital deneyim merkezlerine dönüşümü ve artırılmış gerçeklik tabanlı bir oyunlaştırılmış ortam önerisi: "Forus, Postgraduate, Ç.ÖZALP(Student), 2019

Alaçam S., Inphimo: An augmented reality-based interface proposal for design process, Postgraduate, F.NUR(Student), 2019

Alaçam S., A decision support framework for flp in the context of industrial facilities by the use of bim, Postgraduate, Y.ÜLKÜCÜ(Student), 2019

Alaçam S., An integrated multi objective design system in the earlier phases of design: IMODS, Postgraduate, S.KOCABAY(Student), 2019

Alaçam S., An algorithm aided design approach for using daylight in early phases of architectural design, Postgraduate, M.CAN(Student), 2019

Alaçam S., Architectural Form Exploration By Soft Computing: The Case of Post-Disaster Shelter, Postgraduate, F.Cemre(Student), 2018

Alaçam S., VRiC: Proposal of A Virtual Reality Based Learning Environment For Architectural Construction Systems, Postgraduate, V.Yücel(Student), 2018

Alaçam S., Experiments for Design and Optimization of Thin Shell Structures, Postgraduate, E.Saltık(Student), 2018

Alaçam S., An inquiry on flow metaphor in the context of digital creativity, Postgraduate, Z.BUDAK(Student), 2018

Alaçam S., Computing and knitting: experiments on tailoring concrete and knitted textile for shell structures, Postgraduate, S.Elmas(Student), 2017

Alaçam S., Algorithm aided approach for the processes of building information modelling, Postgraduate, Ş.Yıldırım(Student), 2017

Alaçam S., Exploration driven behaviors: A contrubiton to the theory of affordance, Postgraduate, Ö.Yüçetürk(Student), 2016

Alaçam S., An investigation on growth behavior of mycelium-based material in a fabric formwork, Postgraduate, A.Gülay(Student), 2016

Jury Memberships

Doctorate, Tez Savunma Jurisi, İTÜ Fen Bilimleri Enstitüsü, February, 2019

Doctoral Examination, Doktora Yeterlik Sınavı, Kocaeli Üniversitesi, January, 2019

Post Graduate, Tez Savunma Jurisi, Bahçeşehir Üniversitesi, Bahçeşehir Üniversitesi, January, 2019

Doctoral Examination, Doktora Yeterlik Sınavı, Mimari Tasarımda Bilişim, İTÜ Fen Bilimleri Enstitüsü, December, 2018

Doctorate, Tez Savunma Jurisi, İTÜ Fen Bilimleri Enstitüsü, October, 2018

Doctorate, Tez Savunma Jurisi, İTÜ Fen Bilimleri Enstitüsü, June, 2018

Doctorate, Tez Savunma Jurisi, İTÜ Fen Bilimleri Enstitüsü, May, 2016

Designed Lessons

Alaçam S., Interactive Environments, Postgraduate, 2019 - 2020

Alaçam S., Design and Fabrication Techniques in Architecture, Undergraduate, 2019 - 2020

Alaçam S., Gürer E., Digital Fabrication and Prototyping in Architectural Design, Postgraduate, 2016 - 2017

Alaçam S., Gürer E., Interaction Tools and Environments in Digital Design, Postgraduate, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

1. **A Recursive Algorithm for the Generative Study of Seljuk Muqarnas in Kayseri and Sivas**
Gökmen S., Aykin Y., Basik A., Alaçam S.

Nexus Network Journal, vol.25, no.3, pp.751-772, 2023 (SCI-Expanded)

II. Computational Modeling and Analysis of Seljukid Muqarnas in Kayseri

Gokmen S., Basik A., Aykin Y., Alaçam S.

ACM JOURNAL ON COMPUTING AND CULTURAL HERITAGE, vol.15, no.2, 2022 (SCI-Expanded)

III. Design tactics for enhancing the adaptability of primary and middle schools to the new needs of postpandemic reuse

Guzelci O. Z., Sen Bayram A. K., Alaçam S., Guzelci H., Akkuyu E. I., Şencan İ.

Archnet-IJAR, vol.15, no.1, pp.148-166, 2021 (AHCI)

IV. Measuring the Entropy of Sinan's Muqarnas Patterns

Guzelci O. Z., Alaçam S., Bayram A. K. S., Lacroix I.

Nexus Network Journal, vol.23, no.1, pp.85-105, 2021 (SCI-Expanded)

V. Low-fidelity prototyping with simple collaborative tabletop computer-aided design systems

KAYA E., ALAÇAM S., FINDIK Y., BALCISOY S. S.

Computers & Graphics-Uk, vol.70, pp.307-315, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. Can AI Function As A New Mode of Sketching: A Teaching Experiment with Freshman

TONG H., TÜREL A., Şenkal H., ERGÜN S. F., GÜZELCİ O. Z., ALAÇAM S.

INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES IN LEARNING, vol.18, no.18, pp.234-248, 2023 (ESCI)

II. EDU-AI: a twofold machine learning model to support classroom layout generation

KARADAĞ İ., Guzelci O. Z., Alaçam S.

Construction Innovation, vol.23, no.4, pp.898-914, 2023 (ESCI)

III. An Analysis of Student and Expert Perspectives on Creativity Assessment in Architectural Design Computing

Tanrıverdi Çetin Ç., Ünlü E., Güzelci O. Z., Alaçam S.

ESTOA : REVISTA DE LA FACULTAD DE ARQUITECTURA Y URBANISMO DE LA UNIVERSIDAD DE CUENCA, vol.12, no.24, pp.55-66, 2023 (ESCI)

IV. Algorithm Aided Design Framework for BIM: Daylight In Early Phases of Design

Koçak C., Alaçam S.

ESTOA : REVISTA DE LA FACULTAD DE ARQUITECTURA Y URBANISMO DE LA UNIVERSIDAD DE CUENCA, vol.12, no.24, pp.67-79, 2023 (ESCI)

V. Mimarlıkta Sayısal Tasarım Pedagojisi Bağlamında Enformel Öğrenme

ŞEN BAYRAM A. K., GÜZELCİ O. Z., ALAÇAM S.

Journal of Computational Design, vol.4, no.1, pp.1-16, 2023 (Peer-Reviewed Journal)

VI. Reciprocal style and information transfer between historical Istanbul Pervititch Maps and satellite views using machine learning

ALAÇAM S., KARADAĞ İ., GÜZELCİ O. Z.

ESTOA : REVISTA DE LA FACULTAD DE ARQUITECTURA Y URBANISMO DE LA UNIVERSIDAD DE CUENCA, vol.22, no.11, pp.71-81, 2022 (ESCI)

VII. Adaptability of Primary and Middle Schools to Post-Pandemic Reuse - A Discussion in the Context of Flexibility

GÜZELCİ O. Z., ALAÇAM S., Kocabay S., Akkuyu E. I.

Journal of Design Studio, vol.2, no.2, pp.5-22, 2020 (Peer-Reviewed Journal)

VIII. Design of a post-disaster shelter through soft computing

Karaoglan F. C., Alaçam S.

INTERNATIONAL JOURNAL OF ARCHITECTURAL COMPUTING, vol.17, no.2, pp.185-205, 2019 (ESCI)

IX. A Study on Measuring Complexity in Muqarnas Patterns

GÜZELCİ O. Z., ALAÇAM S.

TURKISH ONLINE JOURNAL OF DESIGN, ART AND COMMUNICATION (TOJDAC), vol.9, no.2, pp.191-201, 2019

(Peer-Reviewed Journal)

- X. **Dijital Fabrikasyon Aracı Olarak Pavyon Tasarımı**
VARİNLİOĞLU G., TURHAN G. D., ALAÇAM S.
Yapı, Mimarlık, Tasarım, Kültür ve Sanat Dergisi, pp.36-41, 2019 (Peer-Reviewed Journal)
- XI. **Tekstil ve Betonun Biraradalığı Üzerine Deneyisel Sorgulamalar**
Elmas S., Alaçam S.
Betonart, vol.2018, no.57, pp.73-83, 2018 (Non Peer-Reviewed Journal)
- XII. **Algoritmik Sıçramalar: Gölcük Seramik Müzesindeki İç Mekan Sergileme Elemanları Tasarımı ve Üretimi**
Alaçam S., Çakıcı Alp N., Cesur D.
Yapı, Mimarlık Tasarım Kültür Sanat, no.437, pp.74-81, 2018 (Peer-Reviewed Journal)
- XIII. **An investigation on algorithm aided BIM approaches to increase collaboration and optimisation in project phase: A case study**
Yıldırım Ş., ALAÇAM S.
A/Z : ITU Journal of Faculty of Architecture, vol.15, pp.66-75, 2018 (Peer-Reviewed Journal)
- XIV. **Reconnoitring computational potentials of the vault-like forms: Thinking aloud on muqarnas tectonics**
Alaçam S., Guzelci O. Z., Gürer E., Bacinoglu S. Z.
International Journal of Architectural Computing, vol.15, no.4, pp.285-303, 2017 (Scopus)
- XV. **Three-step Experimentation On Embedding Curvature to Rigid Planar Materials Through Cut Patterns**
GÜZELCİ O. Z., ALAÇAM S., BACINOĞLU S. Z.
Gestão e Tecnologia de Projetos, vol.12, no.3, pp.93-107, 2017 (Peer-Reviewed Journal)
- XVI. **Spatial dimensions of bodily experience in architectural modeling: A case study**
Alaçam S., Çağdaş G.
A/Z ITU Journal of the Faculty of Architecture, vol.13, no.3, pp.1-12, 2016 (Peer-Reviewed Journal)
- XVII. **Bilgisayar Destekli Teknik Çizimde Yeni Yaklaşımlar Temsil Araçları Arası Dönüşüm**
Varinlioğlu G., Alaçam S., Başarır L., Genca Ö., Üçok I.
Yapı, Mimarlık, Tasarım, Kültür ve Sanat Dergisi, vol.419, pp.137-141, 2016 (Peer-Reviewed Journal)
- XVIII. **Sayısal Düşünmenin Yaratıcılık Bağlamında Sökümü**
Gürer E., Alaçam S.
Mimarlıkta 'Sayısal Fırsatlar, Bilgisayar Mimarlığın Neresinde?', TMMOB Mimarlar Odası Ankara Şubesi, no.35, pp.58-63, 2015 (Peer-Reviewed Journal)
- XIX. **Deneyimin Somutlaşması Yaklaşımı Bağlamında Sayısal Çağda Mimari Tasarım Sürecinde Beden ve Uzun**
ALAÇAM S., ÇAĞDAŞ G.
MEGARON, vol.9, pp.312-320, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **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
- II. **Integrating the Algorithmic Tectonics to Design Process with CAD/CAM: Challenges and Opportunities**
GÜZELCİ O. Z., ALAÇAM S., BACINOĞLU S. Z., ŞENER S. M.
in: Architectural Sciences and Technology, Murat Dal, Editor, Livre de Lyon, Lyon, pp.195-224, 2021
- III. **Generative Manifolds of Muqarnas Patterns**
Alaçam S., Güzelci O.

in: Medios Digitales, Arte, Identidad Cultural, Umberto Roncoroni Osio, Editor, Universidad San Martín De Porres, Fondo Editorial, Lima, pp.33-46, 2018

IV. Mimarlıktan Bilişime, Bilişimden Mimarlığa Bakışlar

Şentek A., Demir Y., Balcısoy S., Alaçam S.

in: Mimarlık Semineri 2015: 1969 Mimarlık Semineri Bağlamında Geleceğe Bakmak, Fatoş Öcal, Editor, Tmmob Mimarlar Odası İstanbul Büyükkent Şubesi Yayınları, İstanbul, pp.451-487, 2016

V. Organising crowd-sourced media content via a tangible desktop application

ALAÇAM S., İPEK Y., BALABAN Ö., KAYALAR C.

in: MMM 2014 Proceedings of the 20th Anniversary International Conference on MultiMedia Modeling Volume 8326 of the book series Lecture Notes in Computer Science LNCS, Gurrin Cathal, Hopfgartner Frank, Hurst Wolfgang, Johansen Havard, Lee Hyowon, O'Connor Noel, Editor, Springer-Verlag, New-York, pp.1-10, 2014

VI. Architectural Design Education Through a Workshop: Experimenting With Digital Media

Hirschberg U., Sökmenoğlu Sohtorik A., Gürbüz E., Çağdaş G., Alaçam S.

in: MIMED Forum IV: Flexibility in Architectural Education, Bolak Hisarligil, B., Lokce, S., veTuran, O., Editor, Cambridge Scholars Publications, Newcastle Upon Tyne, pp.298-313, 2013

VII. A Generative Design Model for Gaziantep's Traditional Pattern", Future Cities

GÜRBÜZ YILDIRIM E., ÇAĞDAŞ G., ALAÇAM S.

in: ECAADe 2010 Conference Future Cities Proceedings of the 28th Conference on Education in Computer Aided Architectural Design in Europe, SCHMITT GERHARD,HOVESTADT LUDGER,VAN GOOL LUC,BOSCHE FREDERIC,BURKHARD REMO,COLEMAN SUZANNE,HALATSCH JAN,HANSMEYER MICHAEL, KONSORSKI-LANG SILKE,KUNZE ANTJE, SEHMI-LUCK MARTINA, Editor, vdf Hochschulverlag AG, an der ETH Zurich, Zürich, pp.841-850, 2010

Refereed Congress / Symposium Publications in Proceedings

I. A Deep Learning-Based Model to Estimate Architectural Elements of Classical Ottoman Period Mosques

Şenkal H., ALAÇAM S., GÜZELCİ O. Z., ŞEN BAYRAM A. K., NEFTÇİ A.

11th International Conference of the Arab Society for Computation in Architecture, Art and Design (ASCAAD 2023), Petra, Jordan, 7 - 09 November 2023, pp.585-598

II. Section Grammars: An Experimental Study on Decoding Forms of Underground Cities

ÜNLÜ E., GÜZELCİ O. Z., ALAÇAM S.

XXVII SIGraDi Conference 2023, Punta del Este, Maldonado, URUGUAY, 29 November - 01 December 2023

III. Understanding The User Interfaces Through Spatial Metaphors

Koçer Özgün F. N., Alaçam S.

Accelerated Landscapes: XXVII SIGraDi (Sociedad Iberoamericana de Gráfica Digital) Conference 2023,, Maldonado, Uruguay, 29 November - 01 December 2023, pp.1-12

IV. A Bayesian Model for Optimizing Thermal Comfort and Indoor Air Quality

Akdoğan M., Alaçam S., Töreyn B. U.

Accelerated Landscapes: XXVII SIGraDi (Sociedad Iberoamericana de Gráfica Digital) Conference 2023, Maldonado, Uruguay, 29 November - 01 December 2023, pp.1-12

V. Generating and Breaking the Radial Grid for Procedural City Layouts

Sancak N., Ünlü E., Çatal G. İ., Alaçam S.

C+++: Computation, Culture, and Context: the 11th ASCAAD (Arab Society for Computation, Architecture, Art, and Design) International Conference, Amman, Jordan, 7 - 09 November 2023, pp.1-14

VI. Visual Approaches on Spatial Thinking: User Interface Metaphors

Koçer Özgün F. N., Alaçam S.

C+++: Computation, Culture, and Context: the 11th ASCAAD (Arab Society for Computation, Architecture, Art, and Design) International Conference, Amman, Jordan, 7 - 09 November 2023, pp.1-12

VII. An attempt to integrate AI-based techniques into first year design representation course

Tong H., Ülken G., Türel A., Şenkal H., Ergün S. F., Güzelci O. Z., Alaçam S.

Cumulus Antwerp 2023 - Connectivity and Creativity in times of Conflict, Antwerp, Belgium, 12 - 15 April 2023, pp.1-5

VIII. Memorability of Spatial Features in Virtual Reality - Süleymaniye Experience

ŞEN BAYRAM A. K., GÜZELCİ O. Z., ALAÇAM S.

The 10th International Conference of the Arab Society for Computation in Architecture, Art and Design, Beirut, Lebanon, 12 October 2022, pp.172-187

IX. Precision factors in modelling of relief patterns on thin aluminum plates: Learning from making process

Çavuş Ö., Alaçam S.

eCAADe 2022, Ghent, Belgium, 13 - 16 September 2022, vol.1, pp.111-120

X. AI Driven Creativity in Early Design Education: A pedagogical approach in the age of Industry 5.0

Akçay Kavakoğlu A., Almaç B., Eser B., Alaçam S.

Co-creating the Future – eCAADe 40, Ghent, Belgium, 13 September 2022, vol.1, pp.133-142

XI. A Swarm Intelligence Based Framework for Robotic Fabrication Aided Design

Çavuş Ö., Alaçam S.

Mimarlıkta Sayısal Tasarım XV. Ulusal Sempozyumu, İstanbul, Turkey, 28 - 29 June 2021, pp.147-158

XII. Mimari Tasarımın Erken Evresinde Karma Gerçeklik Mecrası Kullanımının Uzman Değerlendirmesi

GÜL L. F., ALAÇAM S., HALICI S. M.

XV. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İstanbul, Turkey, 28 June 2021, pp.343-353

XIII. Türkiye’de Sayısal Tasarımın Son 15 Yılı: Yapay Öğrenme ve İçerik Analizi Perspektifinden Bir Değerlendirme

TERZİ Ş. B., ALAÇAM S., GÜZELCİ H., GÜZELCİ O. Z.

Mimarlıkta Sayısal Tasarım XV. Ulusal Sempozyumu, İstanbul, Turkey, 28 - 29 June 2021, pp.71-81

XIV. Sinan Camilerinde Kubbelerin Strüktürel Davranışının Hesaplamalı Tasarım Araçlarıyla Değerlendirilmesi

Sancak N., Alaçam S.

Mimarlıkta Sayısal Tasarım XV. Ulusal Sempozyumu, İstanbul, Turkey, 28 - 29 June 2021, pp.194-204

XV. The Influence of Early Ottoman Period on Sinan's Muqarnas

ŞEN BAYRAM A. K., GÜZELCİ O. Z., ALAÇAM S.

XII. International Sinan Symposium, Edirne, Turkey, 8 - 09 April 2021, pp.109-118

XVI. Design to Experiment—Experiment to Design: Tool- (User, Breaker, Designer)

ÜNLÜ E., ALAÇAM S.

5th International Symposium on Formal Methods in Architecture (5FMA), Lisbon 2020, Lizbon, Portugal, 15 October 2020

XVII. A comparative analysis of the tool-based versus material-based fabrication pedagogy in the context of digital craft

Allam S., Alaçam S.

26th International Conference of the Association for Computer-Aided Architectural Design Research in Asia: Projections, CAADRIA 2021, Hong Kong, hkg, 29 March - 01 April 2021, vol.2, pp.11-20

XVIII. Trend Topics and Changing Concepts of Computational Design in the Last 16 Years - A content analysis

GÜZELCİ O. Z., ALAÇAM S., GÜZELCİ H.

37th eCAADe and 23rd SIGraDi Conference, Porto, Portugal, 11 - 13 September 2019, vol.1, pp.423-430

XIX. A Decision Support Framework for FLP in the Context of Industrial Facilities by the Use of BIM

Yiğitcan Ü., ALAÇAM S.

37th eCAADe and 23rd SIGraDi Conference, Porto, Portugal, 11 - 13 September 2019, vol.2, pp.269-278

XX. Algoritmik Tektonikleri Öğrenmeyi Öğrenmek

ALAÇAM S., GÜZELCİ O. Z., BACINOĞLU S. Z., ŞENER S. M.

XIII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Kocaeli, Turkey, 17 - 18 June 2019, pp.15-30

XXI. Tasarımın Erken Aşamalarında Kullanılabilecek Artırılmış Gerçeklik Tabanlı Bir Arayüz

Koçer Özgün F. N., ALAÇAM S.

XIII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Örtüşmeler, Kesişmeler, Kocaeli, Turkey, 17 - 18 June 2019, pp.137-152

XXII. Algoritma Destekli Tasarım ile Motif Üretimi

An Y., CENANİ DURMAZOĞLU Ş., ALAÇAM S.

XIII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Örtüşmeler, Kesişmeler, Kocaeli, Turkey, 17 - 18 June 2019, pp.297-312

XXIII. VRiC: Virtual Reality in Construction: Proposal of a Virtual Reality Based Learning Environment for Building Construction Systems

Yücel V., Alaçam S.

Virtually Real: 7th eCAADe Regional International Symposium, Aalborg, Denmark, 2 - 03 May 2019, pp.1-10

XXIV. Trend Topics and Changing Concepts of Computational Design in the Last 16 Years A content analysis

Güzelci O. Z., Alaçam S., Güzelci H.

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XXV. Sharing Background Noise: Enactive Approach in Reading Auditory Space

Başık A., Alaçam S.

SIGRADI 2018: XXII CONGRESSO INTERNACIONAL DA SOCIEDADE IBEROAMERICANA DE GRÁFICA DIGITAL, São Carlos, Brazil, 7 - 09 November 2018, pp.100-108

XXVI. Design of a Post-Disaster Temporary Living Space Through the Use of Shape Evolution

Karaoğlu F. C., Alaçam S.

SIGRADI 2018: XXII CONGRESSO INTERNACIONAL DA SOCIEDADE IBEROAMERICANA DE GRÁFICA DIGITAL, São Carlos, Brazil, 7 - 09 November 2018, pp.191-198

XXVII. Mimarlığın Yaşayan Arayüzleri: Sentetik Bakteri Tabanlı Tasarım Stratejileri

Akkaya Ö., Çakıcı Alp N., Aydın Aksan A., Alaçam S.

MSTAS 2018: "Dönüştürülebilir Mekânlar", XII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Isparta, Turkey, 21 - 22 June 2018, pp.307-313

XXVIII. Imperfection in Fabrication: Seeking Authenticity Through Dissolvent Forming

Nardere E., Alaçam S.

GA2017: XX Generative Art Conference, Ravenna, Italy, 13 - 15 December 2017, pp.1-16

XXIX. Blurry Boundaries: Queries On Boundary Phenomenon By Using Doppler Effect

Budak Z., Başık A., Alaçam S.

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XXX. Algorithm Driven Design Comparison of Single-Objective and Multi-Objective Genetic Algorithms in the Context of Housing Design

KOCABAY S., Alaçam S.

CAADFutures 2017 Conference Proceedings: Future Trajectories of Computation in Design, İstanbul, Turkey, 12 - 14 July 2017, pp.492-508

XXXI. An Empirical Study on the Materialisation and Formation of Mycelium in a Fabric Formwork

Elbasdi G., Alaçam S.

From Nature to Architectural Matter, KINE[SYS]TEM International Conference, Lizbon, Portugal, 19 - 20 June 2017, pp.275-283

XXXII. Bir Kenti Resimlerinden Anlamak: Disiplinlerarası Bir Araştırma Programı Önerisi

AKGÜL C. B., SÖNMEZ N. O., ALAÇAM S.

25. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2017), Antalya, Turkey, 16 - 18 May 2017, pp.1-4

XXXIII. Digitizing the Unexplored: Bridging the Concrete Experience and Abstract Geometry Through Physical Experiments

Alaçam S., Güzelci O.

Proceedings of the 5th eCAADe Regional Symposium, The Virtual and the Physical. Between the representation of

space and the making of space, Cardiff, United Kingdom, 27 - 28 April 2017, pp.55-62

XXXIV. A multi-objective genetic algorithm framework for earlier phases of architectural design

KOCABAY S., Alaçam S.

22nd International Conference on Computer-Aided Architectural Design Research in Asia: Protocols, Flows and Glitches, CAADRIA 2017, Suzhou, China, 5 - 08 April 2017, pp.293-302

XXXV. Enhancing Flexibility of 2D Planar Materials By Applying Cut Patterns For Hands On Study Models

GÜZELÇİ O. Z., ALAÇAM S., BACINOĞLU S. Z.

SIGRADI 2016 crowdthinking XX Congreso de la Sociedad Iberoamericana de Grafica Digital, Buenos Aires, Argentina, 9 - 11 November 2016, pp.713-718

XXXVI. An Investigation on Growth Behaviour of Mycelium in a Fabric Formwork

Elbasdi G., Alaçam S.

The Eighth International Conference of the Arab Society for Computer Aided Architectural Design ASCAAD 2016:Parametricism V. Materialism, Londra, United Kingdom, 7 - 08 November 2016, pp.65-74

XXXVII. An architectural Design Studio Experience with a Contextual Urban Focus: Architecture of Transition in Basmane-Izmir

Durmaz Drinkwater B., Erten S., Küreli E., Alaçam S.

Designing Urban Design: A Holistic Perspective International Symposium,, Ankara, Turkey, 6 - 07 October 2016, pp.1-6

XXXVIII. Bilgisayar Destekli Teknik Çizimde Yeni Yaklaşımlar Temsil Araçları Arası Dönüşüm

VARİNLİOĞLU G., ALAÇAM S., BAŞARIR L., GENCA Ö., ÜÇOK I.

X. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Karşılaşmalar: Krizler, İmkanlar, İstanbul, Turkey, 27 - 28 June 2016, pp.32-42

XXXIX. Mimarlıktan Bilişime Bilişimden Mimarlığa Bakışlar

ARİF Ş., DEMİR Y., BALCISOY S. S., ALAÇAM S.

Mimarlık Semineri 2015: 1969 Mimarlık Semineri Bağlamında Geleceğe Bakmak, İstanbul, Turkey, 5 - 07 March 2015, pp.451-487

XL. Computational Thinking and the Architectural Curriculum Simple to Complex or Complex to Simple?

Varinlioglu G., Halici S. M., Alaçam S.

34th eCAADe Conference (eCAADe), Oulu, Finland, 24 - 26 August 2016, pp.253-259

XLI. Computational Approaches for Basic Design Education: Pedagogical Notes Based on an Intense Student Workshop

VARİNLİOĞLU G., HALICI S. M., ALAÇAM S.

Anais do XIX Congresso da Sociedade Ibero-americana de Gráfica Digital 2015, Florianopolis, Brazil, 23 - 27 November 2015

XLII. Sayısal Düşünmenin Yaratıcılık Bağlamında Sökümü

GÜRER E., ALAÇAM S.

TMMOB Mimarlar Odası Ankara Şubesi, Ankara, Turkey, 15 July 2015, pp.58-63

XLIII. Parametric Modeling of Archaeological Heritage in the Age of Digital Reconstruction

VARİNLİOĞLU G., BALABAN Ö., İPEK Y., ALAÇAM S.

SIGRADI 2014. XVIII Congreso de la Sociedad Iberoamericana de Gráfica Digital, Design in Freedom, Montevideo, URUGUAY, 12 - 14 November 2014, vol.1, pp.614-617

XLIV. The Many Functions of Hand Gestures While Communicating Spatial Ideas: An Empirical Case Study

Alaçam S.

SIGRADI 2014. XVIII Congreso de la Sociedad Iberoamericana de Gráfica Digital, Design in Freedom, Montevideo, Uruguay, 12 - 14 November 2014, vol.1, pp.106-109

XLV. Exploring the Effect of Bodily Experience on Architecture Students' Generating Spatial Ideas: A Case Study

Alaçam S., Kotnik T., Çağdaş G.

International Conference on Human Behavior in Design, Ascona, Switzerland, 14 - 17 October 2014, pp.1-8

XLVI. Social Documentary: An interactive and evolutive installation to explore crowd-source media content

Grisard F., Kayalar C., Alaçam S., Balaban Ö., İpek Y., Dupont S.

Proceedings of 2nd International Workshop on Interactive Content Consumption, at TVX2014, Newcastle Upon Tyne, United Kingdom, 25 - 27 June 2014, pp.1-2

XLVII. A context based approach to digital architectural modelling education

BACINOGLU Z., Alaçam S.

19th International Conference on Computer-Aided Architectural Design Research in Asia - Rethinking Comprehensive Design: Speculative Counterculture, CAADRIA 2014, Kyoto, Japan, 14 - 17 May 2014, pp.811-820

XLVIII. Introducing Concepts of Graphical Programming Through Exercises Based on Light Shadow Dichotomy

ALAÇAM S., BACINOĞLU S. Z., Yekta İ., ÇAĞDAŞ G.

New challenges on practice, researching and teaching Geometries and Drawing: Geometrias '14 Conference, Lisbon, Portugal, 17 - 18 May 2014, pp.107-114

XLIX. Exploring the role of bodily experience in spatial thinking during the architectural design process

Alaçam S.

8th International Conference on Tangible, Embedded and Embodied Interaction, TEI 2014, Munich, Germany, 16 - 19 February 2014, pp.313-316

L. Exploring The Potentials of Nature Inspired Processes in Architectural Design Through Computational Models of Seed Growth

Bacinoğlu S. Z., Çavuşoğlu Ö. H., Alaçam S.

Generative Arts Conference 2013, Milano, Italy, 10 - 12 December 2013, pp.269-281

LI. Tasarım Süreçlerinde Yapı Bilgi Modelleme Araçlarının Etkileri

Dinçer A. E., Alaçam S., Ofluğlu S.

VII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Sayısal Tasarım Entropi Yaratıcılık, İstanbul, Turkey, 27 - 28 June 2013, pp.91-95

LII. A Dynamic Methodology for Embedding Generative System Approaches in Architectural Design Education

Gürer E., Alaçam S., Çağdaş G.

ICONArch: International Congress of Architecture-I, Architecture and Technology Congress, Konya, Turkey, 15 - 17 November 2012, pp.368-374

LIII. How to Deal with Novel Theories in Architectural Education A Framework for Introducing Evolutionary Computation to Students

Gürer E., ALAÇAM S., ÇAĞDAŞ G.

Digital Physicality - Physical Digitality, Vol. I, 30th eCAADe International Conference, Prag, Czech Republic, 12 - 14 September 2012, pp.107-114

LIV. How to Teach Architects (Computer-)Programming

Wurzer G., Alaçam S., Lorenz W.

29th eCAADe International Conference: Respecting Fragile Places, Ljubljana, Slovenia, 21 - 24 September 2011, pp.51-56

LV. How to Teach Architects (Computer) Programming A Case Study

Wurzer G., Alaçam S., Lorenz W.

29th Conference on Education in Computer Aided Architectural Design in Europe (eCAADe), Ljubljana, Slovenia, 21 - 24 September 2011, pp.51-56

LVI. Mimari Tasarım Eğitiminde Sayısal Ortamın İklimleri Öğrenci Çalıştayları Üzerinden Bir Değerlendirme

ALAÇAM S., ÇAĞDAŞ G.

Mimarlık Eğitiminin Dünü Bugünü Yarını: Selçuk Üniversitesi Mimarlık Bölümünün 40. Yıl Anısına Ulusal Sempozyum, Konya, Turkey, 25 - 27 November 2010, pp.508-514

LVII. A Generative Design Model for Gaziantep's Traditional Pattern

Gürbüz E., Çağdaş G., Alacam S.

28th Conference on Education in Computer Aided Architectural Design in Europe (eCAADe), Zürich, Switzerland, 15 - 18 September 2010, pp.841-849

- LVIII. CoMediAnnotate: Towards More Usable Multimedia Content Annotation By Adapting The User Interface**
Frisson C., Alaçam S., Coşkun E., Ertl D., Kayalar C., Lawson L., Lingenfelter F., Wagner J.
eINTERFACE'10 The 6th International Summer Workshop on Multimodal Interfaces, Amsterdam, Netherlands, 12 July - 06 August 2010, pp.45-55
- LIX. Deney(im)sel Tasarımlar / Üretimler**
Çağdaş G., Ediz Ö., Akıncıtürk N., Çağlı Y., Gür M. A., Alaçam S.
IV. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İstanbul, Turkey, 15 May 2010, pp.27-30
- LX. Mimari Tasarım Eğitiminde Deneyisel Yaklaşımlar: Bütünleşik Tasarım Atölyesi**
Sökmenoğlu Sohtorik A., Alaçam S., Gürbüz E., Çağdaş G.
IV. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, İstanbul, Turkey, 15 May 2010, pp.51-54
- LXI. Comparison of Designers' Modeling Approaches During Architectural Design Process**
Aslan S., Çağdaş G.
27th Conference on Education and Research in Computer Aided Architectural Design in Europe, İstanbul, Turkey, 16 - 19 September 2009, pp.753-758
- LXII. Architectural Design Education Through A Workshop: Experimenting With Digital Media**
Alaçam S., Çağdaş G., Gürbüz E., Hirschberg U., Sökmenoğlu Sohtorik A.
Architectural Education Forum 4, Kayseri, Turkey, 26 - 29 May 2009, pp.241-255
- LXIII. An Interface Framework For Design Process In Computer Environment**
Alaçam S., Çağdaş G.
Architectural Education Forum 4, Kayseri, Turkey, 26 - 29 May 2009, pp.522-532
- LXIV. An Interface Proposal For Collaborative Architectural Design Process**
Alaçam S., Çağdaş G.
26th International Conference on Education and Research in Computer Aided Architectural Design in Europe (eCAADe): Architecture 'in computro', Antwerp, Belgium, 17 - 20 September 2008, pp.319-324

Supported Projects

- Gül L. F., Alaçam S., HALICI S. M., Project Supported by Higher Education Institutions, Mimari Tasarım Sürecinde Kullanılabilir Artırılmış Gerçekliğe Dayalı Karma Modelleme Ortamı Önerisi, 2019 - 2022
- Alaçam S., Sancak N., Project Supported by Higher Education Institutions, Sinan Camileri'nin Kubbe Sistemlerinin Hesaplamalı Tasarım Araçlarıyla Dijital Stereotomi Yaklaşımıyla Yeniden Ele Alınması, 2020 - 2021
- Şener S. M., Şencan İ., Alaçam S., Project Supported by Higher Education Institutions, TASARIMDA EKLEMELİ ÜRETİM İÇİN ROTASYONEL HAREKETE DAYALI SİSTEM ÖNERİSİ, 2019 - 2021
- Alaçam S., Yücel V., Project Supported by Higher Education Institutions, VRiC: Mimarlıkta Yapı Bilgisi Öğreniminde Kullanılabilir Bir Sanal Ortam Önerisi, 2018 - 2019
- Alaçam S., Project Supported by Higher Education Institutions, Hesaplamalı Tasarım ve Mimarlık Müfredatı: Basitten Karmaşığa mı, Karmaşıktan Basite mi?, 2016 - 2018
- Alaçam S., Project Supported by Higher Education Institutions, TEMEL TASARIM EĞİTİMİ İÇİN HESAPLAMALI YAKLAŞIMLAR: Bİ ÖĞRENCİ ÇALIŞTAYI ÜZERİNDE PEDAGOJİK NOTLAR, 2015 - 2018
- Alaçam S., Project Supported by Higher Education Institutions, Tasarımda Düşünme Deneyimsel Bir Katman Olarak İmaj Şemalarının Rolü, 2017 - 2017

Design

- Alaçam S., Angular Waffle (Gölcük Sergi Elemanı)

Activities in Scientific Journals

ESTOA : REVISTA DE LA FACULTAD DE ARQUITECTURA Y URBANISMO DE LA UNIVERSIDAD DE CUENCA, Scientific Committee Membership, 2023 - Continues
JCoDe Journal of Computational Design Hesaplamalı Tasarım Dergisi, Editor, 2019 - Continues
Mimarlık ve Yaşam, Evaluation Committee Member, 2017 - Continues

Scientific Refereeing

Technopolíticas: XXII International Conference of the Iberoamerican Society of Digital Graphics (SIGRADI 2018) , Other journals, November 2018
RECALIBRATION: on imprecision and infidelity, ACADIA 2018 (The Association for Computer Aided Design in Architecture) , Other journals, October 2018
Disciplines Disruption:ACADIA 2017 (The Association for Computer Aided Design in Architecture) , Other journals, November 2017
CAAD Futures 2017: Future Trajectories of Computing in Design, Other journals, July 2017
Journal of Design Research (JDR), Other Indexed Journal, July 2017
Mimarlık ve Yaşam, National Scientific Refreed Journal, June 2017
İmkansız Mekanlar-Olanaksızın Olanığı, MSTAS 2017: XI Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Other Journals, June 2017
Architecture in Play Conference, Other journals, July 2016
Karşılaşmalar, Krizler, İmkanlar: 10.Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Other Journals, June 2016
Euroasia Graphics 2015, Other journals, November 2015
Sürdürülebilir Sayısal Ekolojiler: Sayısal Tasarım, Malzeme, Başarım: IX. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu, Other Journals, June 2015
International Conference on Human Behavior in Design: Analyzing Cognitive Processes in Design, Other journals, October 2014

Metrics

Publication: 97
Citation (WoS): 36
Citation (Scopus): 64
H-Index (WoS): 4
H-Index (Scopus): 5

Congress and Symposium Activities

Parametricism V. Materialism, Evolution of Digital Technologies for Development: ASCAAD 2016(8th International Conference of the Arab Society for Computer Aided Architectural Design), Session Moderator, London, United Kingdom, 2016
Temel Tasarım/Sanat Eğitimi Çalıştayı, Anadolu Üniversitesi, Mimarlık ve Tasarım Fakültesi, Yunus Emre Kampüsü, Invited Speaker, Eskişehir, Turkey, 2016
Performative Skins, LAMO3D (Universidade Federal do Rio de Janeiro at the Laboratory for models and Digital Fabrication), Invited Speaker, Rio-De-Janeiro, Brazil, 2016
TRANS_ARCH_EDU_02 Panel on the Transformation of Architectural Education, Panelists, İzmir, Turkey, 2015
TRANS_ARCH_EDU Panel on the Transformation of Architectural Education, Panelists, İzmir, Turkey, 2015

Invited Talks

"Toplu Eğitim- Seri Üretim: İTÜ'de Temel Eğitim Stüdyosu", Workshop on Basic Design/Art Education, Seminar, Anadolu Üniversitesi, Turkey, April 2016

Performative Surfaces: A Research on Material Form and Organisation, lecture at the Laboratory for Models and Digital Fabrication (LAMO), Seminar, Universidade Federal do Rio de Janeiro (UFRJ), Brazil, January 2016

When Computational Design Meets Architectural Discourse, Panel: "Two Decades of Computational Design", Trans_Arch_Edu_02: Transformation in Architectural Education , Conference, İzmir Ekonomi Üniversitesi, Turkey, December 2015

"Bodily Experience as a Key to New Digital Encounters". Panel: "The Role of Computational Design in Architecture", Trans_Arch_Edu_01: Transformation in Architectural Education, Conference, İzmir Ekonomi Üniversitesi, Turkey, April 2015

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılma Desteği, TÜBİTAK, 2014 - Continues

"Graduate Student Consortium" Grant within TEI 2014, 8th International Conference on Tangible, Embedded and Embodied Interaction, University, 2014 - Continues

2214/A Yurt Dışı Doktora Sırası Araştırma Bursu, TÜBİTAK, 2014 - Continues

"Special Session of Mediadrom: Artful post-TV Scenarios"- in MMM 2014, The 20th Anniversary International Conference on MultiMedia Modeling, European Commission, 2014 - Continues

2211 Yurt İçi Lisansüstü Burs Programı, Doktora Bursu, TÜBİTAK, 2008 - Continues

2210 Yurt İçi Lisansüstü Burs Programı, Yüksek Lisans Bursu, TÜBİTAK, 2006 - Continues

Awards

Alaçam S., Best Reviewer Prize, Sigradi 2023 , November 2023

Alaçam S., 2022 Academic Performance Award, İstanbul Teknik Üniversitesi, May 2023

Alaçam S., 2022 Publication Award, İstanbul Teknik Üniversitesi, May 2023

Alaçam S., 2021 Publication Award (İTÜ), İstanbul Teknik Üniversitesi, May 2022

Çakıcı Alp N., Alaçam S., FABFEST 2018: Hawthorn Prize, 2nd Prize, The University Of Westminster, July 2018

Çakıcı Alp N., Alaçam S., FABFEST 2018: People's Prize, 2nd Prize, The University Of Westminster, July 2018

Çakıcı Alp N., Alaçam S., FABFEST 2017 - People's Prize, 3rd Project, The University Of Westminster, July 2017

Alaçam S., Best presentation award, runner up (in The Association for Computer-Aided Architectural Design Research in Asia 2014 Conference), Department of Design, Engineering & Management, Kyoto Institute of Technology, May 2014

Visual Activities

Çağdaş G., Alaçam S., Gürer E., JCoDe: Journal of Computational Design, Journal Publishing, 2019 - Continues

Non Academic Experience

Université de Versailles Saint-Quentin-en-Yvelines

Universty of Oregon, Department of Philosophy