# PROCEEDING BOOK



# "IArcSAS" 1st INTERNATIONAL ARCHITECTURAL SCIENCES AND APPLICATION SYMPOSIUM

**27-29 OCTOBER, 2021**
**ISPARTA / TURKEY**


**EDITOR**
**PROF. DR. ATİLA GÜL**
**PROF. DR. ÖNER DEMİREL**
**ASSOC. PROF. DR. SEYİTHAN SEYDOŞOĞLU**

# "IArcSAS"
# 1st International Architectural Sciences and Application Symposium

**October 27-29, 2021**
**Isparta, Turkey**

# CONFERENCE PROCEEDINGS BOOK


**EDITOR**

**Prof. Dr. Atila GUL**

**Prof. Dr. Oner DEMIREL**

**Assoc. Prof. Dr. Seyithan SEYDOSOGLU**



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# 1st INTERNATIONAL ARCHITECTURAL SCIENCES AND APPLICATIONS SYMPOSIUM

## (IArcSAS-2021)

**ISPARTA- TURKEY**
**OCTOBER 27-28-29, 2021**

# CONGRESS PROGRAM

# IMPORTANT

- To be able to make a meeting online, login via **https://zoom.us/join** site, enter ID instead of "Meeting ID or Personal link Name'' and solidify the session.
- The presentation will have **15 minutes** (including questions and answers).
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- Kongremizde Yazım Kurallarına uygun gönderilmiş ve bilim kurulundan geçen bildiriler için online (video konferans sistemi üzerinden) sunum imkanı sağlanmıştır.
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- Kongre programında yer ve saat değişikliği gibi talepler dikkate alınmayacaktır.

**Zoom'a girişte sırayla salon numarasını ve soyadınızı yazınız (Salon-1, BARAN)**

**Date: 27.10.2021**
**Ankara Local Time: 10.00 -11.45**

## INVITED SPEAKERS:

1. ***Prof. Dr. Atila Gül (President of the Organizing Board (IArcSAS-2021) and Chief Editor, Journal of Architectural Sciences and Applications***
2. ***Dr. Mustafa Latif Emek, (President of the Economic Development and Social Research Association (İKSAD)***
3. ***Prof. Dr. Şükran Şahin, (Board Member of the Design and Planning Accreditation Association (TAPLAK)***
4. ***Assist. Prof. Dr. Şirin Gülcen Eren (President of the Technical and Polytechnic Research, Development and Implementation Association)***
5. ***Prof. Dr. Neslihan Dostoğlu (Kültür University) (President of the Architecture Deans Council)***
6. ***Prof. Dr. Ali Türk (Dean of Faculty of Architecture of Süleyman Demirel University)***
7. ***Prof. Dr. İbrahim Diler (Rector of Isparta University of Applied Sciences)***

**Zoom Meeting ID: 899 0848 2833**
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# PANEL 3, HALL-1/ PANEL 3, SALON-1

## PANEL 3
## Date: 28.10.2021
## Ankara Local Time: 20:00pm- 21:30pm

**Panel #3 : PRE-PANDEMIC AND POST-PANDEMIC DESIGN EDUCATION**
**Panel Moderator**: Assoc. Prof. Dr. Şebnem ERTAŞ BEŞİR
**Panel Moderator Assistant: İ.** Emre Gül
**Panelists:**

1. **Prof. Dr. Havva Alkan Bala (Faculty of Architecture, Çukurova University)**

*(Empathy with Generation Z in Architectural Design Studio)*

2. **Prof. Dr. Kağan Günçe (Faculty of Architecture, Eastern Mediterranean University Famagusta, North Cyprus)**

*(Digital Media Case in Design Studio Education with Generation Z)*

3. **Assoc. Prof. Dr. Elif Sönmez (Department of Interior Architecture, Faculty of Engineering-Architecture, Altinbaş University)**

*(Digital Internship MİTEDİS in Architecture and Design Education)*

4. **Asist. Prof. Dr. Aktan ACAR (Faculty of Architecture and Design, TOBB Economy and Technology University)**

*(Handling the Dissociative Distance Between the Tutor and the First Year Student: Dissolving Authority, Appreciating Previous Learnings)*

**FRIDAY**
**Date: 29.10.2021 / Ankara Local Time: 12:00-14:45**

**Zoom Meeting ID: 899 0848 2833**
**Zoom Passcode: 150208**

# SESSION-7, HALL-2/OTURUM-7, SALON-2

**MODERATOR: Assoc. Prof. Dr. Ümit Arpacıoğlu**

| AUTHOR | AFFILITION | ABSTRACT TITLE |
|---|---|---|
| Betül Rüveyda Ay Ak<br>Nilüfer Kart Aktaş | *İstanbul Üniversitesi-Cerrahpaşa* | The Effect Of Social Change And Popular Culture In Historical Places: The Case Of Istiklal Avenue |
| Evrim Solhan<br>Meryem Sakman<br>Ümit Arpacıoğlu | *Mimar Sinan Fine Arts University* | Evaluatıon Of Materıal Selectıon In The Parametrıc Facade Desıgn Process |
| Nusret Algan | *Mersin University* | An Overvıew Of Artıstıc Ceramıc Board Applıcatıons On Archıtectural Surfaces In Turkey (1960-2000) |
| Miskine Akar<br>Selvi Burcu Guler | *Recep Tayyip Erdoğan University* | An Architectural Examination On Public Buildings In Rize Central District |
| Filiz Tavşan<br>Nisa Nur Göksel<br>Cengiz Tavşan | *Karadeniz Technical University* | Investigation of Leed Platinum Certified Sustainable Office Buildings: The Case of the USA |
| Merve Karaoğlu Can<br>Nuriye Nida Çelebi Şeker | *Kütahya Dumlupınar University* | Places Of Experience: Vitrahaus Within The Context Of Game-Learning Relationship |
| Bilgen Dündar | *Beykent University* | The Debate Of Type And Individuality In The Context Of Modernity |
| Tuğçe Özdemir<br>Elif Sağlik | *Çanakkale 18 Mart University* | The Future Looks Awfully Familiar: Urban Space Analysis In Distopic Movies |
| Tuğberk Gülser<br>Özlem Sağıroğlu<br>Can Güngör | *Gazi University* | Documentation Of A Traditional House In The Eskisaray Neighborhood, Central District Of Niğde |

| | | |
|---|---|---|
| Evrim Solhan<br>Meryem Sakman<br>Ümit Arpacıoğlu | Evaluatıon Of Materıal Selectıon In The Parametrıc Facade Desıgn Process | 237 |
| Filiz Tavşan<br>Nisa Nur Göksel<br>Cengiz Tavşan | Investigation of Leed Platinum Certified Sustainable Office Buildings: The Case of the USA | 239 |
| Merve Karaoğlu Can<br>Nuriye Nida Çelebi Şeker | Places Of Experience: Vitrahaus Within The Context Of Game-Learning Relationship | 240 |
| Bilgen Dündar | The Debate Of Type And Individuality In The Context Of Modernity | 242 |
| Tuğberk Gülser<br>Özlem Sağıroğlu<br>Can Güngör | Documentation Of A Traditional House In The Eskisaray Neighborhood, Central District Of Niğde | 244 |
| Mohammad Jafar Chamankar<br>Ali Aghayari | The architecture of Tabriz industrial factories in the first Pahlavi period | 246 |
| Zeynep Yıldız | Spaces Reproduced Through Imitation Through Themed Hotels | 247 |
| Necati Ergün<br>Özlem Sağıroğlu<br>Can Güngör | Regulation And Document Of Nigde Fertek Church Mosque And Its Close Envıronment | 249 |
| Hamad Atallah | A Chemically modified Polysaccharides -Based Organic-Inorganic Nanoparticles Hybrid materials for Multifunctional Applications | 251 |
| Elif Sönmez<br>İrem Bekar<br>Şebnem Ertaş Beşir<br>Ümit T. Arpacioğlu<br>Merih Kasap<br>Sevcan Sönmez<br>Tuğba Cebeci<br>Selin Güner | Investigation Of Developments On Continuity Of Internship Education During The Pandemic Process | 252 |
| Luisa Carolina Toro Moreno<br>Diego Penagos-Vásquez<br>Jonathan Graciano-Uribe | Study Of The Effect Of Leading Edge Angle Variation On The Hydraulic Efficiency Of A Pump As Turbine (Pat) | 254 |
| Diem-Vuong Doan<br>Ngoc-Khoat Nguyen<br>Quang-Vinh Thai | Bf- Pso Based Pid Controller For Load Frequency Control System In Multi – Area Interconnected Power Systems | 256 |
| Miglena Milusheva<br>Vera Gledacheva<br>Stoyanka Nikolova<br>Iliyana Stefanova | Synthesis and smooth muscle relaxant activity of 1-(chloro(phenyl)methyl)-6,7-dimethoxy-3-methyl-3,4-dihydroisoquinoline and 1-(2-chlorophenyl)-6,7-dimethoxy-3-methyl-3,4-dihydroisoquinoline | 257 |
| Miglena Milusheva<br>Margarita Batmazyan<br>Stoyanka Nikolova<br>Iliyana Stefanova<br>Vera Gledacheva | Synthesis of some novel 1-substituted 3-methyl-3,4-dihydroisoquinolines as potential smooth muscle relaxants | 258 |
| Willy Liu<br>E.K. Park | An Engineering Architecture for e-Healthcare Solutions | 259 |
| Tahar Kebir<br>Abderrazak Baba ahmed | Contribution to the recovery of metal pollution from agricultural land at an industrial landfill. | 260 |
| Muhammad Faisal<br>Saduf Faisal<br>Faria Faisal | Investigation Of Assimilation Strategies Of Pakistani Labor Migrants | 261 |
| Afshan Muneer<br>Santosh Kuumar<br>Amjad Islam Aqib<br>Ahmad Waseem<br>Maheen Murtaza<br>Saira Maqbool<br>Rais Ahmad | Antibiotic resistance modulation of enteric E. coli isolated from houbara bustard bird | 262 |

# NİĞDE İLİ, MERKEZ İLÇESİ, ESKİSARAY MAHALLESİ'NDE YER ALAN GELENEKSEL BİR KONUT YAPISININ BELGELENMESİ

DOCUMENTATION OF A TRADITIONAL HOUSE IN THE ESKISARAY NEIGHBORHOOD, CENTRAL DISTRICT OF NIGDE

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**ÖZET**

Kapadokya sınırları içerisinde yer alan Niğde yıllar boyunca birçok kültürü içerisinde barındırmıştır. Geleneksel Niğde evleri, tarihsel gelişimi içinde yer alan çeşitli kültürleri sentezleyerek kendine özgü kültürel yapıyı oluşturmuştur. Bu anlamda geleneksel evler, yüzyılların birikimi ile elde edilen bir tasarım ve yapım geleneğine bağlı olarak inşa edilmiş mimari kimliğe sahip özgün örneklerdir.

Niğde evlerinin mimari karakteri, genel anlamda bölgesel bir bütünlük göstermektedir. Tarihi süreç içinde Niğde evleri kentsel dokunun devamlılığıyla birlikte yeni kentsel üretim potansiyellerini de kapsayarak süregeldiği gözlemlenmektedir. Bu anlamda Niğde evleri 20. yy. da geleneksel konut yapım tekniklerinin değişimine kadar kullanılmış, 20. yy. dan itibaren kullanılmaya başlayan modern yapım ve malzeme teknikleri ile geleneksel dokudan kopmalar yaşanmaya başlamıştır.

Niğde İli, Merkez İlçesi, Eskisaray Mahallesi 613 ada 4 parselde yer alan tescilli konut yapısının geleneksel Niğde evlerinin özelliklerini gösterdiği görülmektedir. Fakat günümüzde birtakım bozulmalara ve değişikliklere uğramıştır. Söz konusu yapı, daha fazla zarar görüp özgün değerlerini yitirmeden önce, tek tek belgelenmesi ve özgün halini koruyabilmesi için gerekli müdahalelerin belirlenmesi gerekmektedir.

Günümüzde, gelişen teknolojiyle birlikte daha kolay ve doğruluk oranı çok daha yüksek olan belgeleme yöntemlerinden lazer tarama yöntemi ile yapılar üç boyutlu bir model olarak belgelenebilmektedir. Çalışmada; yukarıda değer ve sorunlarına değinilen Niğde İli Merkez İlçesi'nde yer alan tescilli geleneksel bir konut yapısı ele alınmıştır. Bu kapsamda, ileri teknoloji belgeleme yöntemleri ile yapının belgelenmesi yapılmış ve güncel koruma ilkeleri ile koruma kararları oluşturulmuştur. Yapının zemin katı kaba yonu taş, üst kat ise kesme taş tekniğindedir. Farklı dönemlere ait olan ve farklı yapım tekniklerinden oluşmuş olan bu yapı günümüzde terk edilmiş bir haldedir. Yapının mevcut durumu lazer tarama yöntemi ile belgelenmiş (rölöve), bozulma sorun ve sebepleri tespit çalışmaları (bozulma analizi) yapılmıştır.

**Anahtar Kelimeler :** Restorasyon, tarihi çevre, koruma, belgeleme, lazer tarama, Niğde

**ABSTRACT**

Located within the borders of Cappadocia, Niğde has hosted many cultures over the years. Traditional Niğde houses have created a unique cultural structure by synthesizing various cultures in its historical development. In this sense, traditional houses are original examples with an architectural identity, built in accordance with a design and construction tradition acquired through centuries of accumulation.

The architectural character of Niğde houses shows a regional integrity in general. In the historical process, it is observed that Niğde houses have continued with the continuity of the urban texture, including new urban production potentials. In this sense, Niğde houses were built in the 20th century. It was used until the change of traditional house construction techniques in the 20th century. With the modern construction and material techniques that have been used since the 20th century.

It is seen that the registered housing structure located in Niğde Province, Centre District, Eskisaray District, block 613, parcel 4, shows the characteristics of traditional Niğde houses. But today it has undergone some deterioration and changes. Before the building in question suffers further damage and loses its original values, it is necessary to document it one by one and determine the necessary interventions so that it can preserve its original state.

Today, with the developing technology, structures can be documented as a three-dimensional model with the laser scanning method, which is one of the easier and more accurate documentation methods. In the study; A registered traditional housing structure located in the Central District of Niğde Province, whose values and problems were mentioned above, is discussed. In this context, the building was documented with advanced technology documentation methods and conservation decisions were made with current conservation principles. The ground floor of the building is rough cut stone, and the upper floor is cut stone. This building, which belongs to different periods and consists of different construction techniques, is in an abandoned state today. The current state of the building has been documented by laser scanning (a survey), and studies have been carried out to determine the problems and causes of deterioration (deterioration analysis).

**Keywords:** Restoration, historical environment, conservation, documentation, laser scanning, Niğde