



ITU Journal of
the Faculty of
Architecture

Vol 17 No 2 • July 2020

MULTILAYERED

ISSN 2564-7474

Contents

Aliye Ahu AKGÜN • Editor
Editorial

Arezki EL HADJ MIMOUNE, Souria SALEM, Malika KACEMI
Tourism development and promotion project of El Mechouar Citadel: Issues and limitations

Naz Ecem ÇINARYILMAZ, Bilge AR
San Michele Church of Genoese Galata (Pera): Historic records and material evidence on its chronology

Bedel EMRE, Adem Erdem ERBAŞ
GIS-based approach to urban planning, archaeological inventory and geology structure in multilayered cities: The case of Tahtakale in Istanbul

Özgün DİLEK, Çiğdem KAYA PAZARBAŞI
Multiple roles and enhancements of makers in the post-industrial design practices: An inquiry for non-expertise in design

Demet ARSLAN DİNÇAY
Cultural color codes in interior

Filiz UMAROĞULLARI, Dinçer AYDIN
The investigation of carbon dioxide (CO₂) and particulate matter (PM) quantities in higher education buildings

Seda KUNDAK, Vedia DÖKMECİ
The application of the regional rank-size rule in Turkey (2000-2012)

Ahmet BAŞ, Mehmet Ali YÜZER
Impact of high speed railway systems on inter-regional trips and accessibility in Turkey

Seyhan YARDIMLI, Derya Güleç ÖZER, Amin SHAHRIARY
Sustainable street architecture and its effects on human comfort conditions: Yazd, Iran

Emre ILICALI, Fatma Heyecan GİRİTLİ
Measuring the environmental performance of urban regeneration projects using AHP methodology

Lâle BAŞARIR, Mustafa Emre İLAL
Occupant trajectory analysis for evaluating spatial layouts

Ebru BİNGÖL
Karşıyaka Coastal Renovation Project: A process-based approach to urban design

Meltem MARALCAN GÜLMEN, Gülname TURAN
Script analysis: An approach to object-based exhibition

Can UZUN, Meryem Birgül ÇOLAKOĞLU, Arda İNCEOĞLU
GAN as a generative architectural plan layout tool: A case study for training DCGAN with Palladian Plans, and evaluation of DCGAN outputs

Elif Belkıs ÖKSÜZ, Gülen ÇAĞDAŞ
An assessment method for a designerly way of computational thinking



Contents

Aliye Ahu AKGÜN • *Editor*
Editorial

Arezki EL HADJ MIMOUNE, Souria SALEM, Malika KACEMI
Tourism development and promotion project of El Mechouar Citadel: Issues and limitations

Naz Ecem ÇINARYILMAZ, Bilge AR
San Michele Church of Genoese Galata (Pera): Historic records and material evidence on its chronology

Bedel EMRE, Adem Erdem ERBAŞ
GIS-based approach to urban planning, archaeological inventory and geology structure in multilayered cities: The case of Tahtakale in Istanbul

Özgün DİLEK, Çiğdem KAYA PAZARBAŞI
Multiple roles and enhancements of makers in the post-industrial design practices: An inquiry for non-expertise in design

Demet ARSLAN DİNÇAY
Cultural color codes in interior

Filiz UMAROĞULLARI, Dinçer AYDIN
The investigation of carbon dioxide (CO₂) and particulate matter (PM) quantities in higher education buildings

Seda KUNDAK, Vedia DÖKMECİ
The application of the regional rank-size rule in Turkey (2000-2012)

Ahmet BAŞ, Mehmet Ali YÜZER
Impact of high speed railway systems on inter-regional trips and accessibility in Turkey

Seyhan YARDIMLI, Derya Güleç ÖZER, Amin SHAHRIARY
Sustainable street architecture and its effects on human comfort conditions: Yazd, Iran

Emre ILICALI, Fatma Heyecan GİRİTLİ
Measuring the environmental performance of urban regeneration projects using AHP methodology

Lale BAŞARIR, Mustafa Emre İLAL
Occupant trajectory analysis for evaluating spatial layouts

Ebru BİNGÖL
Karşıyaka Coastal Renovation Project: A process-based approach to urban design

Meltem MARALCAN GÜLMEN, Gülname TURAN
Script analysis: An approach to object-based exhibition

Can UZUN, Meryem Birgül ÇOLAKOĞLU, Arda İNCEOĞLU
GAN as a generative architectural plan layout tool: A case study for training DCGAN with Palladian Plans, and evaluation of DCGAN outputs

Elif Belkıs ÖKSÜZ, Gülen ÇAĞDAŞ
An assessment method for a designerly way of computational thinking

AZ
Vol 17 No 2 • July 2020

AZ
ITU Journal of
the Faculty of
Architecture
Vol 17 No 2 • July 2020

MULTILAYERED

ISSN 2564-7474





ITU Journal of the Faculty of Architecture

Vol 17 No 2 • July 2020

Editor

Aliye Ahu Akgün

Editorial Board

Murat Gül
Yasin Çağatay Seçkin
Yegan Kahya
Murat Günaydın
Mine Özkar
Şevkiye Şence Türk
Leman Figen Gül
Gülten Manioğlu
Seda Kundak
Emine Görgül
Eda Beyazıt İnce
Deniz Leblebici Başar

Editorial Secretariat

Meriç Altıntaş Kaptan
Pelin Efilti
Ebru Şevkin
Burcu Yaşlak
Onur Yılmaz

Representative

Sadık C. Artunç • *Mississippi, USA*

Typesetting

Pelin Efilti
Onur Yılmaz

Web

Ebru Şevkin

Cover Design

Onur Yılmaz

Logo Design

Koray Gelmez

Publisher

Mehmet Karaca

On behalf of Istanbul Technical University

Advisory Board

İpek Akpınar Aksugür • *Izmir Institute of Technology, Turkey*
Sadık C. Artunç • *Mississippi State University, USA*
Ece Ceylan Baba • *Yeditepe University, Turkey*
Michael Batty • *University College, London, UK*
Sina Berköz • *University of Bahrain, Isa Town, Bahrain*
Richard Buchanan • *Carnegie Mellon University, Pittsburgh, USA*
Conall O'Cathain • *Queen's University of Belfast, Belfast, UK*
Jay Chatterjee • *University of Cincinnati, Cincinnati, USA*
Max Conrad • *Louisiana State University, Baton Rouge, USA*
John Gero • *George Mason University, USA*
Gabriela Goldschmidt • *Israel Institute of Technology, Haifa, Israel*
Manolya Kavaklı • *Macquarie University, Australia*
Joachim Kieferle • *Hochschule RheinMain, Germany*
Roderick John Lawrence • *University of Geneva, Geneva, Switzerland*
Susan Macdonald • *Getty Conservation Institute, USA*
Ardeshir Mahdavi • *Vienna University of Technology, Vienna, Austria*
Ezio Manzini • *Politecnico di Milano, Milano, Italy*
Robert W. Marans • *University of Michigan, Ann Arbor Michigan, USA*
Peter Nijkamp • *VU University of Amsterdam, The Netherlands*
Andrew D. Seidel • *Texas A&M University, College Station, USA*
Bruce Sharky • *Louisiana State University, USA*
Nazire Papatya Seçkin • *Mimar Sinan Fine Arts University, Turkey*
Tim Waterman • *The University of Greenwich, UK*

Abstracted and Indexed in

Avery Index to Architectural Periodicals
Design and Applied Art Index (DAAI)
Directory of Open Access Journals (DOAJ)
Genamics JournalSeek
International Construction Database (ICONDA)
Scopus
SJR Scimago
ULAKBİM
ISSN 2564-7474

Contact

İTÜ A|Z Yayın Sekreterliği

İstanbul Teknik Üniversitesi, Mimarlık Fakültesi Taşkışla, Taksim, 34437 İstanbul Türkiye

Fax: 90 212 251 4895 • E-mail: az@itu.edu.tr • Web: www.az.itu.edu.tr

Contents

Aliye Ahu AKGÜN • Editor Editorial	I-II
Arezki EL HADJ MIMOUNE, Souria SALEM, Malika KACEMI Tourism development and promotion project of El Mechouar Citadel: Issues and limitations	1-13
Naz Ecem ÇINARYILMAZ, Bilge AR San Michele Church of Genoese Galata (Pera): Historic records and material evidence on its chronology	15-29
Bedel EMRE, Adem Erdem ERBAŞ GIS-based approach to urban planning, archaeological inventory and geology structure in multilayered cities: The case of Tahtakale in Istanbul	31-52
Özgün DİLEK, Çiğdem KAYA PAZARBAŞI Multiple roles and enhancements of makers in the post-industrial design practices: An inquiry for non-expertise in design	53-62
Demet ARSLAN DİNÇAY Cultural color codes in interior	63-72
Filiz UMAROĞULLARI, Dinçer AYDIN The investigation of carbon dioxide (CO ₂) and particulate matter (PM) quantities in higher education buildings	73-82
Seda KUNDAK, Vedia DÖKMECİ The application of the regional rank-size rule in Turkey (2000-2012)	83-100
Ahmet BAŞ, Mehmet Ali YÜZER Impact of high speed railway systems on inter-regional trips and accessibility in Turkey	101-111
Seyhan YARDIMLI, Derya Güleç ÖZER, Amin SHAHRIARI Sustainable street architecture and its effects on human comfort conditions: Yazd, Iran	113-122
Emre ILICALI, Fatma Heyecan GİRİTLİ Measuring the environmental performance of urban regeneration projects using AHP methodology	123-142
Lâle BAŞARIR, Mustafa Emre İLAL Occupant trajectory analysis for evaluating spatial layouts	143-157
Ebru BİNGÖL Karşıyaka Coastal Renovation Project: A process-based approach to urban design	159-170
Meltem MARALCAN GÜLMEN, Gülname TURAN Script analysis: An approach to object-based exhibition	171-184
Can UZUN, Meryem Birgül ÇOLAKOĞLU, Arda İNCEOĞLU GAN as a generative architectural plan layout tool: A case study for training DCGAN with Palladian Plans, and evaluation of DCGAN outputs	185-198
Elif Belkıs ÖKSÜZ, Gülen ÇAĞDAŞ An assessment method for a designerly way of computational thinking	199-208

