

EAAE-ARCC
INTERNATIONAL
CONFERENCE

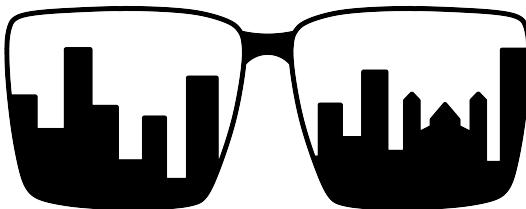
2nd VALENCIA
INTERNATIONAL
BIENNIAL OF
RESEARCH IN
ARCHITECTURE
11-14 NOV 2020



THE ARCHITECT AND THE CITY

VOLUME 1

EAAE-ARCC
INTERNATIONAL
CONFERENCE
2nd VALENCIA
INTERNATIONAL
BIENNIAL OF
RESEARCH IN
ARCHITECTURE
11-14 NOV 2020



THE ARCHITECT AND THE CITY

VOLUME 1



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



ESCOLA TÈCNICA
SUPERIOR
D'ARQUITECTURA

Publisher:

Editorial Universitat Politècnica de València, 2020
<http://www.lalibreria.upv.es>
ISBN 978-84-9048-842-3 (Set of two volumes)
978-84-9048-981-9 (Volume 1)
978-84-9048-982-6 (Volume 2)
DL: V-748-2021
DOI: <https://doi.org/10.4995/EAAE-ARCC-IC.2020.13831>
Ref. 6568_01_01_01

All rights reserved:

© of the images, their authors
© of the drawings, their authors
© of the texts, their authors
© of this edition

Editorial Committee:

Ivan Cabrera i Fausto
Ernesto Fenollosa Forner
Ángeles Mas Tomás
José Manuel Barrera Puigdollers
Lluís Bosch Roig
José Luis Higón Calvet
Alicia Llorca Ponce
María Teresa Palomares Figueres
Ana Portalés Mañanós
Juan María Songel González

Coordination and design:

Júlia Martínez Villaronga
Mariví Monfort Marí
Maria Piquerias Blasco
Diego Sanz Almela



EAAE-ARCC International Conference & 2nd VIBRArch: The architect and the city. / Editorial Universitat Politècnica de València

Se permite la reutilización de los contenidos mediante la copia, distribución, exhibición y representación de la obra, así como la generación de obras derivadas siempre que se reconozca la autoría y se cite con la información bibliográfica completa. No se permite el uso comercial y las obras derivadas deberán distribuirse con la misma licencia que regula la obra original.

Conference Chair:

Ivan Cabrera i Fausto

Steering Committee:

Oya Atalay Franck
Hazem Rashed-Ali
Ilaria Valente
Ivan Cabrera i Fausto

Organizing Committee:

Ernesto Fenollosa Forner
Ángeles Mas Tomás
José Manuel Barrera Puigdollers
Lluís Bosch Roig
José Luis Higón Calvet
Alicia Llorca Ponce
Maite Palomares Figueres
Ana Portalés Mañanós
Juan María Songel González
Mª Mercedes Cerdá Mengod

Design and Logistics:

Mariví Monfort Marí
Marcos Lizondo Chardí
María Piqueras Blasco

Scientific Committee:

Doreen Adengo
Adengo Architecture, Kampala

Fernando Agrasar Quiroga
Universidade da Coruña

Naime Esra Akin
Beykent University

Ajla Aksamija
University of Massachusetts Amherst

Ahmed K. Ali
Texas A&M University

Ana Almerich Chuliá
Universitat Politècnica de València

Miguel Alonso del Val
Universidad de Navarra

Adolfo Alonso Durá
Universitat Politècnica de València

Eva Álvarez Isidro
Universitat Politècnica de València

Cecilie Andersson
Bergen School of Architecture

Isabelle Anguelovski
Universitat Autònoma de Barcelona

Craig K. Anz
Southern Illinois University

César Aquino Insfrán
Universidad Autónoma de Encarnación

Eugenio Arbizzani
Sapienza Università di Roma

Maziar Asefi
Ryerson University

Izaskun Aseguinolaza Braga
Euskal Herriko Unibertsitatea

Oya Atalay Franck
Zurich University of Applied Sciences and Arts

Pnina Avitar
Fontys Hogeschool Tilburg

Rahman Azari
Illinois Institute of Technology

Marilda Azulay Tapiero
Universitat Politècnica de València

Ángela Baldellou Plaza
Observatorio del CSCAE

Berta Bardí i Milà
Universitat Politècnica de Catalunya

César Bargues Ballester
The Getty Conservation Institute

Michela Barosio
Politecnico di Torino

José Manuel Barrera Puigdollers
Universitat Politècnica de València

Luisa Basset Salom
Universitat Politècnica de València

Genevieve Baudoïn
Kansas State University

Liliana O. Beltrán
Texas A&M University

Julio Bermúdez
The Catholic University of America

Henriette Bier
Technische Universiteit Delft

Manuel Blanco Lage
Universidad Politécnica de Madrid

María del Carmen Blasco Sánchez
Universitat Politècnica de València

Ana Bonet Miró
The University of Edinburgh

Victoria E. Bonet Solves
Universitat Politècnica de València

Mary Ben Bonham
Miami University

Lluís Bosch Roig
Universitat Politècnica de València

Dag Boutsen
KU Leuven

Anne Mette Boye
Arkitektskolen Aarhus

Ewan Branda
Woodbury University

Danelle Briscoe
The University of Texas at Austin

Óscar Brito González
University of the Arts London

Sigita Bugenienė
Kaunas City Municipal Administration

Ivan Cabrera i Fausto
Universitat Politècnica de València

Romina Canna
IE University

Roberto Vicente Cañete Ferreira
Universidad Autónoma de Encarnación

Miguel Ángel Carrión Carmona
Universitat Politècnica de València

María Emilia Casar Furió
Universitat Politècnica de València

Pepa Cassinello
Universidad Politécnica de Madrid

Nuria Castilla Cabanes
Universitat Politècnica de València

Roberto Cavallo
Technische Universiteit Delft

M. Rosa Cervera Sardá
Universidad de Alcalá

Pilar Chías Navarro
Universidad de Alcalá

Carola Clemente
Sapienza Università di Roma

Helena Coch Roura
Universitat Politècnica de Catalunya

Beatriz Colomina
Princeton University

Edoarda Corradi Dell'Acqua
Illinois Institute of Technology

Manuel Couceiro da Costa
Universidade de Lisboa

Catherine Croft
Twentieth Century Society

Nur Çaglar
TOBB University of Economics and
Technology at Ankara

Ana-Maria Dabija
Universitatea de Arhitectura si Urbanism
"Ion Mincu"

Pau de Solà-Morales Serra
Universitat Rovira i Virgili

Johan de Walsche
Universiteit Antwerpen

Lynne Marie Dearborn University of Illinois at Urbana-Champaign	Teresa Fonseca Universidade do Porto
Adalberto Del Bo Politecnico di Milano	Giovanna Franco Università degli studi di Genova
Matt Demers Barker/Nestor Architects	Jordi Franquesa Sánchez Universitat Politècnica de Catalunya
Miguel Ángel Díaz Camacho Universidad Camilo José Cela	Mercedes Galiana Agulló Universidad Católica de Murcia
Carmen Díez Medina Universidad de Zaragoza	Inés García Clariana Universidad Europea de Valencia
Victoria Domínguez Ruiz Universidad de Sevilla	Ángela García Codoñer Universitat Politècnica de València
Neslihan Dostoğlu İstanbul Kültür University	Ángela García de Paredes Universidad Politécnica de Madrid
Laurent Duport Ecole Nationale Supérieure d'Architecture de Montpellier	Daniel García-Escudero Universitat Politècnica de Catalunya
Ihab Elzeyadi University of Oregon	Carolina B. García-Estevez Universitat Politècnica de Catalunya
Inmaculada Esteban Maluenda Universidad Complutense de Madrid	Lidia García Soriano Universitat Politècnica de València
Maria Faraone Oxford Brookes University	Queralt Garriga Gimeno Universitat Politècnica de Catalunya
Emilio Faroldi Politecnico di Milano	Mariona Genís Vinyals BAU, Centre Universitari de Disseny de Barcelona
Ernesto Fenollosa Forner Universitat Politècnica de València	Saul Golden Ulster University
Laura Fernández Durán Universidad CEU Cardenal Herrera	Carlos Gómez Alfonso Universitat Politècnica de València
J. Kent Fitzsimons Ecole Nationale Supérieure d'Architecture et de Paysage de Bordeaux	Enkarni Gómez Genua Euskal Herriko Unibertsitatea
	M. Esther Gómez-Martín Universitat Politècnica de València

Walter Grondzik Ball State University	Carmen Jordá Such Universitat Politècnica de València
Arianna Guardiola Víllora Universitat Politècnica de València	Ignacio Juan Ferruses Universidad CEU Cardenal Herrera
Ignacio Guillén Guillamón Universitat Politècnica de València	Francisco Juan Vidal Universitat Politècnica de València
Elsa Gutiérrez Labory Universidad de Las Palmas de Gran Canaria	Susanne Komossa Technische Universiteit Delft
Mary Guzowski University of Minnesota	Robert J. Krawczyk Illinois Institute of Technology
Bruce Haglund University of Idaho	Pablo La Roche California Polytechnic State University Pomona
J. Brooke Harrington Temple University	Vincenzina La Spina Universidad Politécnica de Cartagena
Harriet Harriss Pratt Institute	Carlos Lameiro Universidade de Lisboa
Richard Lee Hayes Central Michigan University	Susana Landrove Fundación DOCOMOMO Ibérico
Deirdre L.C. Hennebury University of Michigan	Riva Lava National Technical University Athens
José Luis Higón Calvet Universitat Politècnica de València	Laura Lizondo Sevilla Universitat Politècnica de València
Dalibor Hlaváček Czech Technical University in Prague	Blanca Lleó Fernández Universidad Politécnica de Madrid
Roberta Ingaramo Politecnico di Torino	Jaime Llinares Millán Universitat Politècnica de València
Susana Iñarra Abad Universitat Politècnica de València	Maria Carmen Llinares Millán Universitat Politècnica de València
Edurne Izagirre Elizaran Universidad Autónoma de Encarnación	Verónica Llopis Pulido Universitat Politècnica de València
Eva Jiménez Gómez Universitat Politècnica de Catalunya	Alicia Llorca Ponce Universitat Politècnica de València

Angela Lombardi
The University of Texas at San Antonio

Emma López Bahut
Universidade da Coruña

Concha López González
Universitat Politècnica de València

Mar Loren Méndez
Universidad de Sevilla

Antonio Maciá Mateu
Universitat d'Alacant

Khaled Mansy
Oklahoma State University

Polyxeni Mantzou
Democritus University of Thrace

Frederick Marks
Salk Institute for Biological Studies

Kat Martindale
Architecture + Urbanism Research Office

Arturo Martínez Boquera
Universitat Politècnica de València

Raquel Martínez Gutiérrez
Universidad Rey Juan Carlos

Antonio Martínez-Molina
University of Texas at San Antonio

Roser Martínez Ramos e Iruela
Universidad de Granada

Ángeles Mas Tomás
Universitat Politècnica de València

Marta Masdéu Bernat
Universitat de Girona

Nuria Matarredona Desantes
Conselleria d'Habitatge i Arquitectura
Bioclimàtica

Thomas McQuillan
Arkitektur- og designhøgskolen i Oslo

Laura Liliana Medina Valenzuela
Universidad Autónoma de Encarnación

Clara Mejía Vallejo
Universitat Politècnica de València

Camilla Mileto
Universitat Politècnica de València

José Luis Miralles i García
Universitat Politècnica de València

Valerian Miranda
Texas A&M University

Alex Mitxelena Etxeberria
Euskal Herriko Unibertsitatea

Eugenia Moliner
Roosevelt University

Javier Monclús Fraga
Universidad de Zaragoza

Francisco Javier Montero Fernández
Universidad de Sevilla

Jésica Moreno Puchalt
Universitat Politècnica de València

Sofía Morgado
Universidade de Lisboa

Michel Mounayar
Ball State University

Brook Muller
University of Oregon

Daniela Müller-Eie
Universitetet i Stavanger

Stefano Musso
Università degli studi di Genova

Zaida Muxí
Universitat Politècnica de Catalunya

Marc Neveu
Arizona State University

Rashida Ng
Temple University

Lucyna Nyka
Gdańsk University of Technology

Derya Oktay
Ondokuz Mayıs University

Leticia Ortega Madrigal
Institut Valencià de l'Edificació

Dolores Otero Chans
Universidade da Coruña

María Teresa Palomares Figueres
Universitat Politècnica de València

Cristina Pardo García
Universitat de València

Ulrike Passe
Iowa State University

Luz Paz Agras
Universidade da Coruña

José Manuel Pelegrín Santacruz
Universidad Central del Ecuador

Víctor Pérez Escolano
Universidad de Sevilla

Javier Pérez Igualada
Universitat Politècnica de València

Marta Pérez Rodríguez
Universitat Politècnica de València

Alfred Peris Manguillot
Universitat Politècnica de València

Troy Peters
Wentworth Institute of Technology

Marios C. Phocas
University of Cyprus

Àngel Pitarch Roig
Universitat Jaume I

Philip Plowright
Lawrence Technological University

Ute Poerschke
The Pennsylvania State University

Çiğdem Polatoğlu
Yıldız Teknik Üniversitesi

Ana Portalés Mañanós
Universitat Politècnica de València

Javier Poyatos Sebastián
Universitat Politècnica de València

Sonia Puente Landazuri
Comunica:Ciudad

Núria Ramon Marqués
Universitat de Lleida

Ana Ramos Sanz
Fundació Mies van der Rohe

Hazem Rashed-Ali
The University of Texas at San Antonio

Traci Rose Rider
North Carolina State University

Fatih A. Rifki
Montana State University

Michelle Rinehart
Georgia Institute of Technology

Carmen Ripollés
Portland State University

Clare Robinson
The University of Arizona

Julia W Robinson
University of Minnesota

David Rockwood
University of Hawaii at Manoa

Krešimir Rogina
University American College Skopje

Pilar Roig Picazo
Universitat Politècnica de València

Marcos Ros Sempere
Universidad Politécnica de Cartagena

Mia Roth-Čerina
Sveučilište u Zagrebu

Alberto Rubio Garrido
Institut Valencià de l'Edificació

Felipe Samarán Saló
Universidad Francisco de Vitoria

João Rafael Santos
Universidade de Lisboa

Marja Sarvimaki
Bond University

Paola Sassi
Oxford Brookes University

Meredith Sattler
California Polytechnic State University

Thomas Schroepper
Singapore University of Technology and Design

Veronika Schröpfer
Architects' Council of Europe

Marina Sender Contell
Universitat Politècnica de València

Carla Sentieri Omarrementeria
Universitat Politècnica de València

Begoña Serrano Lanzarote
Universitat Politècnica de València

Adil Sharag-Eldin
Kent State University

Lamila Simisic Pasic
International University of Sarajevo

Madlen Simon
University of Maryland

Brian Robert Sinclair
University of Calgary

Félix Solaguren-Beascoa de Corral
Universitat Politècnica de Catalunya

Enrique Solana Suárez
Universidad de Las Palmas de Gran Canaria

Juan María Songel González
Universitat Politècnica de València

Cristina Soriano Cuesta
Universidad de Sevilla

Asenet Sosa Espinosa
Universitat Politècnica de València

Laura Soto Francés
Conselleria d'Habitatge i Arquitectura
Bioclimàtica

Constantin Spiridonidis
Aristotle University of Thessaloniki

John C. Stallmeyer
University of Illinois at Urbana-Champaign

Alexandra Staub
The Pennsylvania State University

Sally Stewart Mackintosh School of Architecture, Glasgow School of Art	José Antonio Vázquez Rodríguez Universidade da Coruña
Jae Yong Suk The University of Texas at San Antonio	Fernando Vegas López-Manzanares Universitat Politècnica de València
Judit Taberna Torres Universitat Politècnica de Catalunya	Anna Verges Parisi Observatori Metropolità de l'Habitatge de Barcelona
Beatriz Tarazona Vento Universidad Central del Ecuador	Maria Pilar Vettori Politecnico di Milano
Rafael Temes Córdovez Universitat Politècnica de València	Marisol Vidal Graz University of Technology
Aron Temkin Norwich University	Blanca Vila Cortell Universidad Anáhuac Puebla
Ana Torres Barchino Universitat Politècnica de València	María José Viñals Blasco Universitat Politècnica de València
Vasilia Trova University of Thessaly	Maria Voyatzaki Aristotle University of Thessaloniki
Macarena Trujillo Guillén Universitat Politècnica de València	Kate Wingert-Playdon Temple University
Marci Uihlein University of Illinois at Urbana-Champaign	João Pedro Xavier Universidade do Porto
Judith Urbano Universitat Internaciontal de Catalunya	Dongwoo Jason Yeom Lawrence Technological University
Mónica Val Fiel Universitat Politècnica de València	Shai Yeshayahu Ryerson University
Ilaria Valente Politecnico di Milano	Shao Yong Tongji University
Koenraad Van Cleempoel Universiteit Hasselt	Zdenek Zavrel Czech Technical University
Sara Van Rompaey E2ARC	Tadeja Zupančič Univerza v Ljubljani

INDEX

VOLUME 1

0031_0. THE ARCHITECT AND THE CITY

Ivan Cabrera i Fausto

0041_BLOCK 1: DEVISING, REPRESENTING AND NARRATING THE CITY

0042_Paper #1.01: The City in the Landscape : Alfred Caldwell's broader perspective on urban design

Kristin Jones, Zaida Garcia-Requejo

0052_Paper #1.02: The face of the city

Nuria Casais, Ferran Grau

0064_Paper #1.03: Co-Drawing: Collaborative Representations of the City

Antje Steinmuller, Christopher Falliers

0076_Paper #1.04: Graphic narratives for reading Indian cities in constant motion

Alisia Tognon, Mariana Felix Paisana

0088_Paper #1.05: The current image of the city of Yerevan (Armenia) through the study of urban spaces

Anna Sanasaryan, María José Viñals

0098_Paper #1.06: Toward a Sustainable Urban Development (SUD): A Case Study on Ancient City of Kazerun, Iran
Mohammad Akbari Riyabi, Farzaneh Soflaei

0112_Paper #1.07: And with a pinch of nostalgia: Traces of the past in Nicosia's present and future
Christakis Chatzjichristou, Kyriakos Miltiadous

0126_Paper #1.08: Many cities in one. Enclaves and microcosms in the general structure of the city: the case of Prague's Ghetto
Domenico Chizzoniti, Yuliia Batkova

0136_Paper #1.09: From the grid to the layer: post-industrial city as city in (morphological) transition
Michela Barosio

0148_Paper #1.10: Grid geometry and core structure: Space Syntax analysis of small and medium 'grid-like' US Cities
Saif Haq

0160_Paper #1.11: The Politics of the Illusion / The Image as a Rejection of Typological Tyranny
Jonathan Scelsa

0172_Paper #1.12: The architecture of Chandigarh Capitol
Maite Palomares Figueres, Ivo Vidal Climent, Ciro Vidal Climent

0184_Paper #1.13: The new cities of the thirteenth century – a new urban paradigm in the Iberian Peninsula
Filipe Brandão do Carmo

0194_Paper #1.14: The performance of gender and ethnic identity in the diaspora mosque
Irem Oz, Alexandra Staub

0206_Paper #1.15: Architectural and graphic expression of the Route 66 from Chicago to Los Angeles
Sigrun Prahlf

0214_Paper #1.16: Seeing beyond cities
Ray Kinoshita Mann

0224_Paper #1.17: Corporeal Polis
Paul Holmquist

0234_Paper #1.18: The diffuse museum. Toward a new model for interpreting architecture
Queralt Garriga Gimeno

0242_Paper #1.19: Urban Meta Museum
Polyxeni Mantzou, Xenofon Bitsikas, Anastasis Floros

0252_Paper #1.20: The skyway as an inhabitable mode of urban representation

Mike Christenson, Erin Kindell

0262_Paper #1.21: FABRIC[ATED]: Fabric Innovation in Architecture + Education

Tolya Syril Stonorov

0274_Paper #1.22: Visual spaces of change: the use of Image for rendering visible dynamics of urban change in contemporary cities

Pedro Leão Neto

0288_Paper #1.23: Drawing water: The making of fluid graphics

Brook Muller, Matt Tierney

0300_Paper #1.24: Energy Visualization in the Architectural Design Process

Giovanna Togo, Marina Maurin

0312_Paper #1.25: Thin architecture: energy, economy and the all-glass archetype

Elizabeth L McCormick, Waleed AlGhamdi

0322_Paper #1.26: VR, photogrammetry and drawing over: envisioning the city of the future

Olivier Chamel, Laurent Lescop

0333_BLOCK 2: LIVING IN URBAN LANDSCAPES

0334_Paper #2.01: Getting a grip on fiction: graphic narratives as study sites for urban design

Carmina Sánchez-del-Valle, V.M. Price

0344_Paper #2.02: Transescalarity, an instrument for the sustainable territorial development

Celia Izamar Vidal-Elguera, Claudia Bengoa-Alvarez, Cinthya Butron-Revilla

0356_Paper #2.03: Top down planning approaches and urban reality: The case of Delhi, India

Sana Ahrar, Alexandra Staub

0364_Paper #2.04: An inquiry on the architecture of the open cities in the age of planetary urbanization

Esin Komez Daglioglu

0374_Paper #2.05: Green infrastructure as urban planning regulation of public residential neighborhoods

Andrea Iacomoni

0384_Paper #2.06: Artificially unnatural: Nature 2.0

Gayatri Tawari, Alka Tawari

0394_Paper #2.07: Mapping the Passive Natural Surveillance The Bilbao Metropolitan Area

Iñigo Galdeano Pérez

0406_Paper #2.08: Reconnecting with nature: identifying new models of urbanisation
Steffen Lehmann

0420_Paper #2.09: Considering Ladakhi self-sufficiency under climate change, COVID-19 and beyond
Carey Clouse

0430_Paper #2.10: Sense of absence: place keeping of the intangible
Elena Rocchi

0442_Paper #2.11: Contact and impact (influence). Timeless events in the contemporary city landscape
Salvatore Rugino

0450_Paper #2.12: Architecture beyond permanence: temporariness in 21st century urban architecture
Marco Enia, Flavio Martella

0460_Paper #2.13: Public squares, social interactions, and urban sustainability: lessons learned from Middle Eastern Maidans
Shima Molavi Sanzighi, Farzaneh Soflaei

0474_Paper #2.14: Urban landscape living lab. Base Camp : Vadozner Huus (BC : VH), Liechtenstein
Clarissa Rhomberg, Anne Brandl, Johannes Herburger, Luis Hilti

0486_Paper #2.15: Sevilla 1910, the motion of censure against the architectural style Art Noveau. Perpetuating and controlling the narrative of the symbolic city in the modern era
Reyes Abad Flores

0496_Paper #2.16: Urban landscapes in Berlin shaped through cultural diversity
Sigrun Prahlf

0508_Paper #2.17: Was Le Corbusier a utopian thinker or a realistic visionary? An analysis of two diverging views
Cihan Yusufoglu, Alexandra Staub

0518_Paper #2.18: University is city. The infrastructure of education and research as an engine of urban regeneration
Emilio Faroldi, Maria Pilar Vettori

0530_Paper #2.19: The Mediterranean Peri-urban Historical *Huertas* (Murcia-Alicante-Valencia-Zaragoza). Transversal research
Juan José Tuset, Rafael Temes, Ana Ruiz-Varona, Fernando García-Martín, Clara García-Mayor, Marcos Ros-Sempere

0542_Paper #2.20: Employing the industrial landscape. Insights on the use of collective spaces of industrialization in Ethiopia
Arnout De Schryvera

0554_Paper #2.21: The “second life” of a building. Hidden flexibility possibilities on appropriation of architectural space
Caio R. Castro, Amílcar Gil Pires, João Mascarenhas Mateus

0566_Paper #2.22: Shopping center and contemporary city: Discussion of appropriation forms
Pedro Bento

0578_Paper #2.23: Intersections with the ground in the contemporary city
Luigi Savio Margagliotti

0590_Paper #2.24: The domestic city: Expansion of the domesticity in the contemporary city
Flavio Martella, Marco Enia

0598_Paper #2.25: The sustainable house: psychology vs technology
Olivia Longo

0606_Poster #2.26: Comfortable parks
Anastasiya Volkova, Madlen Simon

0611_BLOCK 3: THE NEW FACES THE OLD

0612_Paper #3.01: From Dismissal to Development: the Challenge of Architecture
Roberta Ingaramo

0622_Paper #3.02: The hidden designer: rethinking urban rules in city making
Caterina Barioglio, Daniele Campobenedetto, Marianna Nigra, Lucia Baima

0632_Paper #3.03: Designed to change: The future of architecture is Agile
Salah Imam, Brian R. Sinclair

0644_Paper #3.04: Performance: The Fantastical Dichotomies of City-Making.
Shai Yeshayahu, María del C. Vera

0654_Paper #3.05: Infrastructure for collectivity: built heritage and service planning in the city
Francesca Daprà

0664_Paper #3.06: Circular economy and recycle of architectural heritage in fragile territories
Marco Bovati, Alisia Tognon

0676_Paper #3.07: Binckhorst: A palimpsest of architectural lives
Angeliki Sioli, Willemijn Wilm Floet, Pierre Jennen

0688_Paper #3.08: Pursuing potential arising from collision: The Islamic city considering Western hegemony
Sabeen bin Zayyad, Brian Robert Sinclair

0702_Paper #3.09: New VS Old: Understanding Architectural Tensions in the Design of Public Spaces
Giulia Setti

0712_Paper #3.10: (sub)URBAN; Merging Suburban Home Qualities with Urban Housing
Craig S. Griffen

0724_Paper #3.11: Changing the Currency of Manufactured Lakes in the Great Plains
David Karle

0736_Paper #3.12: Scarpa in light of croce: the post-lyrical city
Frank Harrison Weiner

0746_Paper #3.13: What Does A Single Building Tell About A City?
Burcin Basyzici, Birsen Sterler, Safak Cudi Ince

0760_Paper #3.14: The Urban Church: Repurposing a Community Detail
William O'Neil Bourke

0772_Paper #3.15: New old cities. The rebirth of German historical centers
Michele Giovanni Caja

0784_Paper #3.16: Adaptive reuse & regeneration as potential for industrial sites in the metropolitan cities of Pakistan
Naveed Iqbal, Koenraad Van Cleempoel

0796_Paper #3.17: Metamorphoses in Paris: the fate of Samaritaine among preservation and innovation
Antonella Versaci, Alessio Cardaci

0808_Paper #3.18: Building a Modern Asuncion: Contributions of the Hotel Guarani in the Configuration of a New Urban Space
Julio Diarte, Elena Vazquez

0818_Paper #3.19: The architectural Spanish imprint in China. Why an "Alhambra-style" mansion in Shanghai?
Álvaro Leonardo Pérez

0830_Paper #3.20: Transformation of a historical area in Elche through an apparently invisible architecture
Antonio Maciá Mateu, Ana Mora Vitoria

0840_Paper #3.21: Recuperation of the staircase space of Arma Christi San Jerónimo of Cotalba
José Manuel Barrera Puigdollers

0852_Paper #3.22: Workspaces evolution, towards the new coworking spaces
Alicia Llorca Ponce, Franca Cracogna

0863_BLOCK 4: SMART CITIES VS. TECH CITIES

0864_Paper #4.01: Is Dubai a New Paradigm for Smart Cities?
Sabeen bin Zayyad, Thomas Patrick Keenan

0876_Paper #4.02: Performing and Measuring smartness Giving ground to urban intelligence by an alternative metric
Julien Lafontaine Carboni, Dario Negueruela del Castillo

0888_Paper #4.03: Smart Design for Bicycle Parking Stations. A proposal for the Historical Center of Arequipa, Peru
Gabriela Manchego, Cinthya Butrón Revilla

0898_Paper #4.04: A biomimetic research on how cities can mimic forests to become sustainable and smart
Aliye Rahşan Karabetçä

0908_Paper #4.05: Aggregated data management and business model in designing Positive Energy Districts
Paolo Civiero, Jaume Salom, Jordi Pascual

0918_Paper #4.06: Purposeful Play: Bridging the energy-efficiency gap in Cities
Malini Srivastava

0928_Paper #4.07: Optimal Operation Strategies of Three Different HVAC Systems Installed in a Building
Yeo Beom Yoon, Byeongmo Seoa Suwon Song, Soolyeon Cho

VOLUME 2

0969_BLOCK 5: A FUTURE BASED ON TECHNOLOGY

0970_Paper #5.01: Mapping the city: datascape as a tool for representing the invisible
Başak Uçar

0980_Paper #5.02: Integral Design for Urban Transformation to a Smart City Core
Marios .C. Phocas, Maria Matheou

0990_Paper #5.03: Architectural Robots: Rethinking the Machine for Living In
Rachel Dickey

1002_Paper #5.04: The cutting (rounded) edge of 3D-printed architecture
Rodrigo García-Alvarado, Alejandro Martínez-Rocamora

1014_Paper #5.05: The city after the catastrophe. diligent structures
Raquel Martínez Cuenca, Ricardo Perelló Roso

1022_Paper #5.06: Constructability criterion for structural optimization in BIM and Hybrid Digital Twins
Víctor Fernández-Mora; Víctor Yepes

1034_Paper #5.07: The sustainable white city

Paolo De Marco

1046_Paper #5.08: Macrocriteria for compiling data on CO2 emissions in building materials under EPD, EN, ISO; catalog -IVE

Begoña Serrano Lanzarote, César Emmanuel Arguedas Garro

1060_Paper #5.09: Mass timber construction for multi-family urban housing: Carbon12 and The Canyons

Edward Becker, Kevin Lee

1074_Paper #5.10: A Parametric Study of Daylighting in High-rise Residential Buildings in Dhaka, Bangladesh

Sumaiya Mehjabeen, Ute Poerschke, Lisa Domenica Iulo

1086_Paper #5.11: Application of artificial neural network in solar radiation prediction for real-time simulation

Hany Gaballa, Yeo Beom Yoon, Byeongmo Seo, and Soolyeon Cho

1098_Paper #5.12: The spatial block: Natural ventilation as an architectural instrument

Ezgi Bay

1108_Paper #5.13: Tuning the masses: climate specific energy optimization guidelines

Alexander Mitchell, Tom Collins

1118_Paper #5.14: Thermal performance of a novel masonry block made from recycled gypsum drywall waste

David Drake, Taiji Miyasaka

1128_Paper #5.15: Indoor environmental analysis of a LEED gold-certified office building in ASHRAE climate Zone 6

Antonio Martinez-Molina, Jae Yong Suk, Hazem Rashed-Ali

1140_Paper #5.16: Analysis of energy performance in a residential block in the Ensanche of Valencia and proposals for improvement

Vicente Blanca-Giménez, Natalia Cardona Guerra

1148_Paper #5.17: Comparative study of sustainable thermal insulating materials in architecture

Jose Vercher, Joaquin Segura, Enrique Gil, Angeles Mas, Carlos Lerma, Carlos Silvestre

1159_BLOCK 6: RESTORATION, CONSERVATION AND RENOVATION

1160_Paper #6.01: Researches and projects between conservation and renovation for the future of the cities

Stefano Francesco Musso, Giovanna Franco

1170_Paper #6.02: A Bibliometric Review of Life Cycle Research of the Built Environment
Ming Hu

1182_Paper #6.03: Community preservation of districts: the *Brownstoners*. The case of Bedford-Stuyvesant
Ana García Sánchez

1194_Paper #6.04: Defrosted Architecture: Debussy's Cathédrale Engloutie case study
José L. Baró Zarzo, Pedro Verdejo Gimeno, Gracia López Patiño, Verónica Llopis Pulido

1204_Paper #6.05: Interventions in Spanish monumental heritage: A holistic view of Burgos Cathedral
Elisa Baillietta

1214_Paper #6.06: The role of knowledge transfer in masonry bridge construction from Spain to Guatemala
Sandra Hernandez, Ahmed K. Ali

1226_Paper #6.07: ARTs as Catalyst: Strategy for Urban Regeneration - Case of Benesse Art Site:
Naoshima, Inujima & Teshima-Koichiro Aitani

1238_Paper #6.08: Spaces and places of culture for the renewal of contemporary city
Antonino Margagliotta

1250_Paper #6.09: The new challenges for conservation and management of HUWI, Ahmedabad, India
Mehrnaz Rajabi, Stefano Della Torre

1262_Paper #6.10: An incessant research exercise on the historical context of Fiorenzuola d'Arda city
Michele Ugolini, Rossana Gabaglio, Stefania Varvaro

1274_Paper #6.11: Urban Design Strategies for a Problematic, Southern Mid-Size American City
Thomas C. Sammons

1288_Paper #6.12: Green Book in Arizona: intersecting urban history, heritage, and planning
Clare Robinson, Arlie Adkins

1298_Paper #6.13: The evolution of the Spanish Building Codes: an overview from the seismic design perspective
Luisa Basset-Salom, Arianna Guardiola-Villora

1310_Paper #6.14: The Special Protection Plan for the Historic 'Ciutat Vella' District (Valencia, Spain). A new tool to approach heritage enhancement and management
María Emilia Casar Furió

1320_Paper #6.15: Over-elevation as a measure of urban renewal

Maria Piqueras Blasco, Ernesto Fenollosa Forner

1330_Paper #6.16: Adaptive reuse in fragile contexts. Combining affordable housing solutions,

new job opportunities and regeneration of urban peripheries

Elena Fontanella, Fabio Lepratto

1342_Paper #6.17: Single-wall timber granaries box construction in Turkish and Spanish rural
architecture contexts

Ahmed K. Ali

1355_BLOCK 7: NEW PROFESSIONAL PRACTICES AND RESEARCH PRACTICES

1356_Paper #7.01: Design fiction and architecture

Philip D. Plowright

1368_Paper #7.02: What do we talk about when we research the city? Academic publishing in
urban studies

Débora Domingo-Calabuig

1378_Paper #7.03: A Model for Community and Criticality: The University Urban Design and
Research Center

Courtney Crosson

1388_Paper #7.04: Peer-review or popularity-contest: the erosion + implosion of internal
assessment in higher education

Brian Robert Sinclair

1402_Paper #7.05: Architectural experienced machines: the activation of time

José Manuel Barrera Puigdollers

1414_Paper #7.06: AWOL: psychology, business + research in contemporary architectural
education

Brian Robert Sinclair

1426_Paper #7.07: Design research and a shift in architectural education and practice

Ayşe Zeynep Aydemir, Sam Jacoby

1438_Paper #7.08: Renewing design practice via a diachronic study of Tekton and Arkitekton
practitioners

David N. Benjamin, Jonas Holst

1446_Paper #7.09: Platform, container, environment. 2019 Shenzhen Biennale as innovation in
practice

Edoardo Bruno, Valeria Federighi, Camilla Forina, Monica Naso, Michele Bonino

1456_Paper #7.10: Glocal architecture against climate change: Rice straw in Valencia

A. Quintana, Joan Romero, I. Guillén-Guillamón, F. A. Mendiguchia

1466_Paper #7.11: Transferring visual methods from design to social science to advance built environment research

Caryn Brause

1478_Paper #7.12: Social rental housing siting & maintenance: Considering the architect's critical role

Chika Daniels-Akunekwe, Dr. Brian R. Sinclair

1494_Paper #7.13: Youth decarceration: Using sketch models to explore non-punitive attitudes

Julia Williams Robinson

1506_Paper #7.14: Heritage as a resource, memory as a project. Responsible network-based design strategies

Emilia Corradi, Alessando Raffa

1516_Paper #7.15: Daylighting and Electric Lighting POE Study of a LEED Gold Certified Office Building

Jae Yong Suk, Antonio Martinez-Molina, Hazem Rashed-Al

1528_Paper #7.16: New synergies between research, practice, and education for health and wellbeing outcomes in the built environment

Altaf Engineer

1538_Paper #7.17: Rethinking sustainable development in European regions by using circular economy business models

Begoña Serrano-Lanzarote, Nuria Matarredona-Desantes, Vera Valero-Escribano, Cristina Jareño-Escudero

1552_Paper #7.18: Nexus between sustainable buildings and human health: a neuroscience approach

Madlen Simon, Ming Hu, Edward Bernat

1568_Paper #7.19: How Much Does Zero Energy Building Cost?

Ming Hu

1580_Paper #7.20: Between research and teaching: identifying new competencies for Healthy Cities

Francesca Giofrè, Mohamed Edeisy

1592_Paper #7.21: Natural ventilation in the traditional countryside constructions in Valencia. CFD & PPD analysis.

F. Mendiguchia, A. Quintana, I. Guillén-Guillamón

1602_Paper #7.22: Ecomimetics: The maximum power principle for rethinking urban sustainability

Mercedes Garcia-Holguera

Para seguir leyendo, inicie el proceso de compra, click aquí