1ST ICONA | INTERNATIONAL CONFERENCE ON ARCHITECTURE

december 18 | 19 2019 ROME

CREATIVITY and REALITY

THE ART OF BUILDING *FUTURE* CITIES

Book of Abstract

Architecture and Construction Ph.D. DRACo | Dottorato di Ricerca in Architettura e Costruzione
Coordinator Dina Nencini

Quadern two

1st IConA
International Conference on Architecture
"Creativity and Reality. The art of building future cities"
December 18-19 2019, Rome, Piazza Borghese 9
www.iconaconference.com
organization@iconaconference.com

Editorial Coordination
Francesca Addario
Enrico Marani
Alessandro Oltremarini
Giorgio Quintiliani

copiright © 2019 IConA Conference
All rights reserved

Dottorato di Ricerca in Architettura e Costruzione
Dipartimento di Architettura e Progetto
Sapienza Università di Roma

1ST ICONA
INTERNATIONAL CONFERENCE
ON ARCHITECTURE

CREATIVITY and REALITY

THE ART OF BUILDING *FUTURE* CITIES

december 18 | 19 2019
ROME

CURATORS

Orazio Carpenzano
(Direttore del Dipartimento di Architettura e Progetto, Sapienza Università di Roma)
Alessandra Capanna, Anna Irene Del Monaco, Dina Nencini
(Sapienza Università di Roma)
Francesco Menegatti, Tomaso Monestiroli
(Politecnico di Milano)

HONOUR COMMITTEE

Maria Argenti (Sapienza Università di Roma) **Carmen Andriani** (Università degli Studi di Genova) **Lucio Barbera** (Sapienza Università di Roma) **Alessandra Capuano** (Sapienza Università di Roma) **Daniel Comsa** (Ion Mincu University of Architecture and Urbanism UAUIM) **Armando Dal Fabbro** (Università IUAV di Venezia) **Alberto Ferlenga** (Università IUAV di Venezia) **Cherubino Gambardella** (Università degli Studi della Campania L. Vanvitelli) **Liu Jian** (Tsinghua University of Beijing) **Martha Kohen** (SoA DCP University of Florida) **Jean-François Lejeune** (University of Miami School of Architecture) **Gino Malacarne** (Università di Bologna) **Bruno Messina** (Università degli Studi di Catania) Carlo Moccia (Politecnico di Bari) **John Murphy** (University of Texas San Antonio) **Raffaella Neri** (Politecnico di Milano) **Margherita Petranzan** (Direttore di "Anfione e Zeto. Rivista di architettura e arti") **Wendy Pullan** (University of Cambridge) **Franco Purini** (Sapienza Università di Roma) **Matteo Robiglio** (Politecnico di Torino) **Piero Ostilio Rossi** (Sapienza Università di Roma) **Xing Ruan** (Shanghai Jiao Tong University, UNSW Sydney) **Brent D. Ryan** (Massachusetts Institute of Technology, Cambridge) **Antonino Saggio** (Sapienza Università di Roma) **Andrea Sciascia** (Università degli Studi di Palermo) **Ilaria Valente** (Politecnico di Milano)

SCIENTIFIC COMMITTEE

Matteo Agnoletto (Università di Bologna) **Giulio Massimo Barazzetta** (Politecnico di Milano) **Bruno Bonomo** (Sapienza Università di Roma) **Renato Capozzi** (Università degli Studi di Napoli Federico II) **Domenico Chizzoniti** (Politecnico di Milano) **Nancy M. Clark** (School of Architecture University of Florida) **Alessandra Criconia** (Sapienza Università di Roma) **Sedef Doganer** (University of Texas San Antonio) **Massimo Faiferri** (Università degli Studi di Sassari) Paola Favaro (UNSW Sidney) **Luisa Ferro** (Politecnico di Milano) **Antonella Gallo** (Università IUAV di Venezia) **Paolo Genovese** (Tianjin University) **Anna Giovannelli** (Sapienza Università di Roma) **Cristina Imbroglini** (Sapienza Università di Roma) **Mohammad Arif Kamal** (Aligarh Muslim University) **Martina Landsberge**r (Politecnico di Milano) **Vincenzo Latina** (Università degli Studi di Catania) **Angela Lombardi** (University of Texas San Antonio) **Giovanni Marras** (Università IUAV di Venezia) **Marco Mannino** (Università Mediterranea di Reggio Calabria) **Marina Mihaila** (Ion Mincu University of Architecture and Urbanism UAUIM) **Antonello Monaco** (Sapienza Università di Roma) **Pisana Posocco** (Sapienza Università di Roma) **Enrico Prandi** (Università degli Studi di Parma) **Sara Protasoni** (Politecnico di Milano) **Manuela Raitano** (Sapienza Università di Roma) **Antonio Vito Riondino** (Politecnico di Bari) **Antonello Russo** (Università Mediterranea di Reggio Calabria) **Nicola Santopuoli** (Sapienza Università di Roma) **Leone Spita** (Sapienza Università di Roma) **Fabrizio Toppetti** (Sapienza Università di Roma) **Ettore Vadini** (Università degli Studi della Basilicata) **Federica Visconti** (Università degli Studi di Napoli Federico II) **Shaoming Lu** (Shanghai Jiao Tong University) **Zhou Zhengxu** (Tsinghua University of Beijing)

ORGANIZING COMMITTEE

Francesca Addario, Enrico Marani, Alessandro Oltremarini, Giorgio Quintiliani
(Sapienza Università di Roma)

CALL FOR ABSTRACT

The field of knowledge defined by the terms “creativity” and “reality” may be considered the permanent framework for a reflection on innovation and the transformation of architecture and cities.

However, it should be noted that in current decades, creativity as the engine of human invention and reality as a response to human needs have had, as their dominant field of application, technological innovation rather than the development of new city images. In recent times architecture and world cities have been especially “designed” by neoliberal, global and urban policies following the realization of mega-events, shopping malls, gated communities, large scale facilities, urban villages, spectacular architectural objects, territorial infrastructure and immaterial networks.

Moreover, while the urban transformations of the European cities are still designed according to the tradition of the last two-centuries, the challenge to design within informal contexts emerged as an inevitable need to match and support the cultural and social identities of the enormous “informal” and “illegal” communities, to deal with inequalities and “expulsions”, to improve living conditions and make urban space more democratic, technological and dialogic. Within this framework of “Plural Urbanism” rethinking the concepts of Creativity and Reality can be an important contribution to the construction of an “open city” in which sympathetic imagination, realistic and bold innovation will still be considered the architect’s principal means and can still feed the art of building the future city and architecture according to its actual realities, needs, emergencies, for pursuing a widespread human wellbeing and tackling the forces hidden in the global changes.

The theme of the conference is presented in seven topic tracks:

a. Formal and Informal; b. Art and Artefact;

c. Autonomy and Heteronomy; d. Vision and Reality;

e. Memories and Places; f. Form and Structure; g. Policies and Rules.

ABOUT

Abstract Selected: **158** Authors | **121** Contributions | **51** Institutions

Abstract Received: **252** Authors | **196** Contribution | **73** Institutions

A.A.School of London, United Kingdom
Aarhus School of Architecture, Denmark
Abdullah Gul University, Kyseri, Turkey
Abia State University, Uturu, Nigeria
Bahauddin Zakariya University, Multa, Pakistan
Copenhagen Business School, Denmark
École Polytechnique Fédérale de Lausanne, Svitzerland
ENA Rabat, Morocco
FAUP, Portogallo
GUTech Halban, Oman
Instituto Superior Manuel Teixeira Gomes, Portugal
Intercultura Consult, Bulgaria
“Ion Mincu” University of Architecture and Urbanism, Bucharest, Romania
Islamic University of Indonesia, Indonesia
Keio University, Japan
Khalifa University, Masdar Campus, United Arab Emirates
KTH Royal Institute of Technology, Stockholm
Lodz University of Technology, Poland
Ministry of Cultural Heritage and Activities, Italy
Özyeğin University, Turkey
Politecnico di Bari, Italy
Politecnico di Milano, Italy
Politecnico di Torino, Italy
Sapienza Università di Roma, Italy
Shanghai Jiao Tong University, China
Shanghai Jiao Tong University, China
Tianjin University, China
Tsinghua University, China
Uganda Martyrs University, Nkozi, Uganda
Universidad de Lima, Perù
Universidad San Francisco de Quito, Ecuador
Università degli Studi della Basilicata, Italy
Università degli Studi di Brescia, Italy
Università degli Studi di Cagliari, Italy
Università degli Studi di Firenze, Italy
Università degli Studi di Napoli Federico II, Italy
Università degli Studi di Pavia, Italy
Università degli Studi di Sassari, Italy
Università degli Studi di Trieste, Italy
Università della Calabria, Italy
Università di Bologna, Italy
Università di Padova, Italy
Università di Pisa, Italy
Università IUAV di Venezia, Italy
Università Mediterranea di Reggio Calabria, Italy
Università Politecnica delle Marche, Italy
University of Arts, Tîrgu-Mureș, Romania
University of Brighton, United Kingdom
University of Texas, San Antonio, USA
University of the West of England, United Kingdom
Xi’an Jiaotong Liverpool Universirty, China

INDEX

Eutopias. The art of building future cities *20*
Francesca Addario

Reclaiming alleyways as critical infrastructure for network connectivity: lessons from Dubai's neighborhoods *22*
Khaled Alawadi; Hind Alameri; Martin Scoppa

Out of place and off the grid: dwelling on the architectural image *24*
Sophia Banou

Near Futurists' Alliance: 'Experimental Realisms' in/of design pedagogy *26*
Gemma Elizabeth Barton

Memory and time in the process of rewriting the existing *28*
Rosalba Belibani

Toward a walkable city; the Milan case *30*
Carlo Berizzi, Gaia Terlicher, Sonia Luisi

Tradition or contradiction: dialogue or rupture? *32*
Ana Bordalo, Ana Paula Rainha

Between typology and morphology. On the use of models in architectural composition *34*
Alessandro Camiz

The elementary parts of the city 36
Nicola Campanile

Form | Shapeless forms 38
Renato Capozzi

30 years later. Architecture and town design in Berlin, today 40
Roberto Cherubini

Vision versus reality in designing process of Romanian Pavilion for Dubai Expo 2020 42
Daniel Comsa

Singularity/Complexity. The “city within the city” by Oswald Mathias Ungers 44
Vincenzo D’Abramo

A matter of distance 46
Andrea D’Urzo

City Makers and Culture Industry. Supply and Demand for contemporary architects 48
Anna Irene Del Monaco

Creative strategies: new metabolic solutions for fragile territories 50
Maria Giada Di Baldassarre

The research of the form in the construction of the contemporary city 52
Ermelinda Di Chiara

Participatory projects in BIM using AV and VE 54
Endriol Doko

Spatial quality analysis of Anshan Road Street in Tianjin based on spatial syntax 56
Zimeng Dong, Hanyu Xiao

My home, my ‘favela’. Analyzing and discussing the architecture of Rocinha favela using sequential art 58
Cristina Gentiana Dumitrascu

The urban form and its underlying structure. The case of the ancient city of Herculaneum 60
Roberta Esposito

Communicating scientific knowledge 62
Massimo Faiferri, Samanta Bartocci, Lino Cabras, Fabrizio Pusceddu

Tracing the borders of the ancient city: the case study of Seville walls 64
Angela Fiorelli

The unfinished project of Autonomy: the case of the Aurelian Wall 66
Hannes Frykholm, Clara Rodriguez Lorenzo

The masterplan for the urban regeneration of the heritage district of Msheireb Downtown Doha (State of Qatar) 68
Raffaello Furlan

Total control and spontaneous processes. Two antithetical contemporary utopias as means of imagining the future cities 70
Alessia Gallo

Children’s Poles 0-14. A case of study and experimentation: IC Simonetta Salacone at Casilino 23 72
Carla Ghezzi

Adalberto Libera: the achetypal thought in the construction of reality 74
Lorenzo Giordano

The iconic Whitney. Stories of a (im)possible manipulation of the Breuer’s Museum of American Art 76
Anna Giovannelli

Patching a textile industry city. Problems with postindustrial sites in contemporary city structures 78
Mateusz Grabowski

Walls and gates in contemporary chinese cities: the undeniable reality in future city image 80
Badiaa Hamama

Vague memory, poor imagination; what happened to urbanism of the 21st-century sprawl *82*
Arian Heidari Afshari

Authorialism: the "desease" of visionariness *84*
Francesca Iarrusso

The memory of space in found constructions; experience versus interpretation *86*
Kaltrina Jashanica

The architecture of the japanese city: cultural perceptions of memory and place *88*
Yao Ji

Plural urbanism and profane creativity on Refshaleøen, Copenhagen *90*
Christina Louise Zaff Juhlin

A shopping center analyze in the scope of perception of space. Kayseri mall - by perception of its designer and its users - *92*
Aysegul Kidik, Burak Asiliskender

Scaling the vision of city life *94*
Petya Koleva, Josyane Franc

Same origin, different outcome - case study on salt settlements of Ocna Sibiu and Ocna Mureş *96*
Ferenc Kovacs

The role of green systems in the development of the industrial city in central Poland in the 19th and today *98*
Tomasz Michał Kroc

The Infinite City. Vision and Reality in Ivan Leonidov's Urban Designs *100*
Luca Lanini

Images and narratives shaping the chinese city-scape *102*
Silvia Lanteri, Monica Naso

The Forum as an archetype for the contemporary public space *104*
Simone Leoni

Triggering self-organization in non-places of arabic cities: a Walkers' Standpoint *106*
Gustavo Linhares de Siqueira, Amal al Balushi, Christina Thanner

Revitalizing the historic city of San Antonio, Texas: a linear park for the San Pedro creek *108*
Angela Lombardi, Sedef Doganer

Memories of places. Creativity and reality through the travel experience: two glances on intuitions and adaptations of people in cities *110*
Sasha Londono, Juan Pablo Galvez

Architecture and Cold War in Italy: creative processes and possible contaminations *112*
Olivia Longo

Reality and vision in a steel and hemp design research project *114*
Roberta Lucente

Urban regeneration and creativity in south Italy *116*
Ina Macaione

Artificial Intelligence in Architecture: Reality and Creativity *118*
Jamal Malaeb, Wenjun Ma

Post-digital *120*
Guglielmo Malizia

The art of discerning the horizon *122*
Marco Mannino

School as infrastructure *124*
Enrico Marani

The rhetoric of the real in the contemporary city *126*
Edoardo Marchese

The rooting of the tall building to the contemporary city *128*
Luigi Savio Margagliotta

Operative procedures of architectural rewriting. The case of Mosul *130*
Flavio Menici

Technology as a paradigm transforming building industry 132
Buket Metin

Between permanence and obsolescence: the actuality of the ephimeral 134
Ambra Migliorisi

Configurative-visual space: instruments of creativity & architecture readability 136
Marina Mihaila

"The Old City is always new". Creativity and reality in the urban restoration of the reconstructed German city 138
Andreina Milan

Informality in Egypt: rethinking resiliency in vulnerable communities 140
Aya Mohanna

Structure vs. Form. Toward an Open Architecture 142
Antonello Monaco

From ready-made to diagram. Trespassing and interactions between art and contemporary design 144
Federica Morgia

'Cafeteria after lunch'. Four episodes on informal education in Chile and Argentina 146
Marco Moro

Paradoxical creativity of reality: design dealing with the informal 148
Massimo Mucci

In-formal: the city with(out) a form? 150
Mónica Alexandra Muñoz Veloza

Creativity and Reality 152
Dina Nencini

Visual spaces of change: the use of photography media for exploring urban space and new spatial forms for architecture and the arts 154
Pedro Leão Neto

Contemporary architectural design in heritage: creativity vs reality 156
Bahia Nouh

The Formal and the Informal City in Africa: Planning and Governance Dilemmas 158
Geoffrey Nwaka

Endless: the other way of modern 160
Alessandro Oltremarini

Rome. Municipio I: the critical reading of the urban fabric and of educational specialized building used as a design tool 162
Cinzia Paciolla

Ludovico Quaroni's spatial grid in Prato. Cities and open forms 164
Caterina Padoa Schioppa, Luca Porqueddu

Vision to inhabit the reality of tomorrow 166
Teresa Pagano

Finding optimum geometry for utilizing the light for future architectural designs, based on plant architecture and sunlight capture performance 168
Semra Pakdemirli, Wenjun Ma

Artistic approaches for new urban design 170
Anna Lisa Pecora

Hendricus Theodorus Wijdeveld. Visions of a new Amsterdam 172
Enrico Pietrogrande, Alessandro Dalla Caneva

Public Realm = Public Space? How the uses of public space define and transform urban space 174
Greta Pitanti

Architectural remembrances 176
Sergio Policaro

Placemaking architecture in post-socialist cities 178
Laura Corina Popa-Florea, Alexandra Afrasinei

Proposal for film Screening & Talk "And the alley she whitewashed in light blue" 180
Nili Portugali

The iconicity of architecture 182
Pisana Posocco

Monumental ground. Infrastructure, construction sites, landscape 184
Chiara Pradel

The European Capital of Culture RUHR.2010. Memories and Places of Coal, Steel and Everyday Culture 186
Sigrun Prahl

Design Exercise in "Minimal Existence" envisioning future reality 188
Sigrun Prahl

The places of work of the twentieth century. Between memory and invention 190
Francesco Paolo Protomastro

Contemporary architecture: symbol or role? 192
Alessandra Pusceddu

Representation and Simulation 194
Giorgio Quintiliani

Autonomy and heteronomy in italian architecture 196
Manuela Raitano

Memory of architecture as design approach. Building a new exhibition and office building in China 198
Riccardo Renzi

For an architecture of questioning 200
Antonio Vito Riondino

City as a cultural document, memory as a critical exercise of the essential 202
Giuseppe Francesco Rociola

Between monuments rediscovering and urban values, the creativity as a design tool 204
Michele Roda

The architecture of exception within and counter to the Belt and Road Initiative: an exploration of the zone camouflaging language from Khorgos (KZ) to Lazika (Anaklia, GE) 206
Valentina Rodani

Space and matter. A solid void for a weak monumentality 208
Antonello Russo

Heterotopias in contemporary architecture: a case study analysis 210
Amra Salihbegovic

The Memory Challenges: urban and territorial transformations in the case study of Fiuggi 212
Guendalina Salimei, Pina Ciotoli, Anna Ricciputo

The crisis of the relationship between structure and form as crisis of the city 214
Cristian Sammarco

Potenza. Windows on a vertical city 216
Mariangela Ludovica Santarsiero

A new Silent Spring. The creation of an autonomy of women's thinking in the project of open space and urban landscape 218
Donatella Scatena

Reality built and Creativity designed. Urban morphology as a guide to the transformation process of the 21st century city 220
Francesco Scattino

Land use transition between planned and spontaneous development. Comparing patterns of change in two rural settlement of Fujian province 222
Gerardo Semprebon, Yao Ji, Wenjun Ma

Architecture and Reconstruction. A precarious balance between memory, places and design strategies 224
Giulia Setti

Architectural enigmas: the imaginary between myth and reality in modern and contemporary icons 226
Francesca Sibilio

Place, memory, matter, light, proportions: five terms for an essential and sensorial architecture 228
Gianpaola Spirito

Social space of the Yogyakarta town square during the Eid pray: religious and tourism development approach *230*
Woko Suparwoko, Ahmad Saifudin

The evolution of the spatial form of traditional settlements under the influence of the construction of national new district and its sociological influence: a case study in Xiongan New Area, China *232*
Mingzhu Tang

Inclusive design leading our cities into the future *234*
Marylene Thomas

The future beyond Matera 2019 *236*
Ettore Vadini

Learning from Informality *238*
Nilda Maria Valentin, Cristina Dreifuss Serrano

Anphi-nomy: a creative relationship between cities and heterotopias *240*
Giovangiuseppe Vannelli, Piero Zizzania

The structure of the city. Living and dwelling form *242*
Federica Visconti

Pavel Janak: Form vs Figure/ Architectural Techniques: Grammatical vs Rhetorical *244*
Qi Wang

Lifestyle as heritage: a methodology for visualizing the space-activity relationship in rural China *246*
Glen Wash, Shinya Miyazaki

Assessing children's public space equity in Barcelona: distribution and interaction *248*
Zibo Xing, Tianjie Zhang

Adaptive governance of heritage community. Research on the gothic neighborhood in Barcelona *250*
Qiuyin Xu, Tianjie Zhang

Micro exhibition spaces in city: from "display window" to "exhibit window" *252*
Xin Xu

Research on the influencing factors of the interface characteristics of commercial pedestrian street on the activity of walking users. Take Barcelona's Plaza Catalonia as an example *254*
Xinyu Yuan,Yike Hu

Formal and Informal into city centers and surrounding areas *256*
Claudio Zanirato

Boundary or connection? Study on morphological characteristics and functions of the boundary roads in Tianjin, China *258*
Yuwei Zhang, Xiao Yang, Jiaqi Wu

Study on agricultural landscape of Miao Nationality Rice Terraces in southeast Guizhou, China: perspective of rural landscape heritage *260*
Zhengxu Zhou, Nian Wang, Jiaqi Xu, Ni Yan

Formal and Informal into city centers and surrounding areas

Track a / Formal and Informal

Claudio Zanirato: claudio.zanirato@unifi.it
Università degli Studi di Firenze, Italy

Key words: centrality, suburbs, heteronomy, imagination, dynamism

Perhaps the city of today is not only unlimited but is simply looking for its new limits: You can then question whether these can still be dimensional limits or an unprecedented limitation imposed by ecological sustainability, and still, you will have to Start from the center or from the outside, from the suburbs?

The decline of urban forms, consequent to the expropriation to the public space of the role of production of communication activities, in which the social interaction is no longer necessarily through a physical space, but by structuring itself on networks Immaterial, it attributes unpublished meanings both to the centers and to the suburbs. With these the concepts of formal and informal are positioned in a contrasting way, sometimes with inverted roles.

The provisional and suspended aspect of the vast marginal areas, defined as suburbs, tends to suggest that the city is elsewhere, whereas it would be better to consider them as city passages in the initial state, if not even visions of the contemporary city In formation. As the site of the new invasion, the suburbs are a sort of boundary state in which the constitutive processes change even before their cognition. Therefore the periphery, as an urban region of momentary transformations, is the question of the modern par excellence, of the new imagination of the unresolved city, in its heteronomy.

It is therefore necessary to become aware of the value of the suburbs as frontiers of the dynamism of the city, metaphors of an evolving model in place, considering the suburbs as new places of the project in which the most current challenges of sustainability and New paradigms of the reduction of soil consumption and re-cycle. In other words, this condition must not be lived much more as a handicap, as an inconciliated tension, as estrangement and as a conflict, but rather as an opportunity, as an area of freedom, as a willingness to consciously choose not approved, towards new logics and different interpretations of everyday life, to rethink the city as a whole, real urban innovation laboratories. There are many examples that confirm this opportunity.

REFERENCES

Augè M. (2015), *Periferie al centro*, Jaca Book, Milano.

Cassetti R. (2016), *La città compatta. Dopo la Postmodernità*, Gangemi, Roma.

Ferrarotti F., Immacolata M. (2009), *Periferie. Da problema a risorsa*, Sandro Teti Editore, Roma.

Lazzarini A. (2011), *Polis in Fabula. Metamorfosi della città contemporanea*, Sellerio Ed., Palermo.

Lino B. (2013), *Periferie in trasformazione. Riflessi dai «margini» delle città*, Alinea, Firenze.

Piano R. (2016), "Perchè difendo le periferie", *Il Sole 24 ORE*, 29 maggio, Milano.

Sacchi L. (2017), *Metropoli. Il disegno delle città*, Gangemi, Roma.

Stenti S. (2016), *FareQuartiere. Studi e progetti per la periferia*, CLEAN, Napoli.

Zanirato C. (2019), *Città InForme*, Pamphlet, Bologna.