



19th INTERNATIONAL ONLINE CONFERENCE ARQUITECTONICS: MIND, LAND AND SOCIETY

THE NEW SENSE OF PLACE AFTER THE DIGITAL BIO-REVOLUTION: IMPACT ON EDUCATION, PROFESSION AND SOCIAL INTERACTION

BARCELONA 2-3-4 JUNE 2021
Online with possibilities of presentality

CALL FOR PAPERS

Supported by:

UPC Research Group (GIRAS)
Polytechnic University of Catalonia (UPC)
Barcelona school of architecture (ETSAB)
Mind, Land & Society Arquitectonics Network

UNICEF; Children friendly cities
Ministry of economic and education
COAC. Catalan Association of Architects
Reial Acadèmia Catalana de Belles Arts i de
Sant Jordi

Conference Organization: Magda Saura; Professor, Barcelona School of Architecture (ETSAB)
Josep Muntañola; architect and city planner, senior professor, founder of GIRAS Research
Group.

Definitive deadline for submitting abstracts: March 31th 2021
Payments until 30th April 2021

MAIN GENERAL THEORETICAL FRAME

For many reasons, this new International conference is especially significant. Not only for personal circumstances but also for a very important change in the architectonics topics of interest.

More important is the fact of the environmental physical and social impact of the coronavirus 19, that push us to reproduce the international conference in the next year from 2020 to 2021, with the complete approval by all the key speakers. Most significant is the fact that professor Karl Friston indicates that he agrees with the change of data because he needed to concentrate all the time in a new model of the propagation of the virus, a very heavy task he said and not a playful one. The text of this call for papers has been improved in relation to the new environmental situation of the world, taking care of the dialogue between the artificial intelligence and the social real cultural experiences of the spaces produced by the epidemic. As professor Rainer E Zimmermann insisted upon in his key speaker lecture in Barcelona in ARQUITECTONICS 2017 the virtual world and the virtual users of this world are very different from the real social experiences, and because of that, the dialogue between both dimensions of the human life is essential today. And also for this reason professor Josep Muntañola has accepted to participate in the coordination of the new master course in the UIC (International University of Catalonia) about THE ARTIFICIAL INTELLIGENCE FOR ARCHITECTS & DESIGNERS.

The New Sense of Place going towards the liberation of the Heidegger obsession by architects in the last century is one of these reasons, as Richard Sennet has very brilliantly analyzed in his last book (1). This is one of these reasons, but there are others. One is the increasing stress and tiring conditions of a global world "smart" subjected to the "big data" of algorithms, making life a mathematic deterministic product. Therefore, an algorithm, in general, can



support Hegelian historicisms, creationistic “bio-design” or stylistic and psychological a priori

“rules” of design. When mathematics and technology take the power people seems “lost in translation” from life into the virtual or abstract representations of this life (2), forgetting, in this way, that is the human brain that produces the algorithms not the other way around.

However, the most important sign of big changes is the 100 hundred years of the Bauhaus celebration in Dessau where only one school of architecture was invited, la “Ciudad Abierta” of Valparaiso, Chile (3), together with many other art schools around the world, not other prestige school of Architecture, technical or artistic, from famous cities were invited. (4)

If we consider the explosion of Design Schools all over, we should remind that both , the Bauhaus and the School in Harvard founded by Gropius, where **Schools of Design** and for that we have now the “coalition” among informatics, digital bio-revolution, design and architecture that is inexorably developing. The link between education, profession and social interaction is, then, the key point, and the answer in order to avoid a nightmare should be the “new sense of place”, perhaps a totally “new human sense” (but not anti-human sense) is the answer of the puzzle.

Instead of fighting each other, the artificial intelligence, the digitalization of the profession (See the Gaudi Sagrada Familia how is built today) (5) and the social interaction between a healthy and peaceful cultural diversity of our society today, should dialogue in order to find a new deep interdisciplinary meaning on architecture and planning.

The knowledge of the mind, the social, dialogue and the power of the place, admired by Aristotle (5), should share this common knowledge. Of course, the three ask for, and point to, human freedom and democratic rules in and between the cities.

This text by Mumford in the dark year’s preceding the II World War is today a good advice (6):

“..Nothing is so savage –Aristotle observes- as ‘injustice in arms’, and injustice in arms is the very essence of the class suppressions and the imperialistic conquests that are being waged by the more backward ruling classes throughout the world today, and whereas the barbarian who brought to an end the Roman civilization had a conviction of strength but not a strength of conviction ,fascism has been preceded by an intellectual advance guard of fantasies ,rationalizations, codes and dogmas ,that have systematically prepared the way for neurotic simplifications of human conduct, inordinate collective ambitions and perfectly infantile forms of communal savagery...”

Consequently, the main dimensions of this new sense of place are:

First, history is no more uni-linear but poli-linear, each subject is a crossing place of histories (and stories) going to life (and not to death in a heideggerian way).

Second, this new place demands “authenticity”, ethical, scientific and aesthetic, not “virtual” authenticity alone is admitted, the virtual subject and the alive subject are different and can be interrelated, but they cannot be confused.

Third, a new sense of home arise from these two premises, the new “home” (or “Bauhaus”) is a “home for human life, flesh and birth, not a home for “death”, therefore the climatic control will be fundamental.

Fourth the Survival of the Humanity with the Covid virus depends upon and DIALOGICAL equilibrium between virtuality and real social life that the new sense of places is able to develop and build.



These three dimensions of the **new sense of place** have been clearly defined by Luis

Umbalino following Paul Ricoeur ideas in 2017 (7). And we have already define the new knowledge that designers need in this new place,(8)

- (1) Sennet Richard (2019) Building and Dwelling. Ethics for the city. Farrar, Straus and Giroux
- (2) Zimmermann, Rainer. (2015) METAPHYSICS OF EMERGENCE PART I THE FOUNDATIONS OF SYSTEMS Verlag. Berlin
- (3) Garcés, Andrés. La ciudad como teatro.
- (4) Just look the 100 years of the Bauhaus in Dessau 20-25 March 2019.
- (5) Muntañola, Josep Arquitectura y Modernidad. Suicidio o reactivación. Architectonics vol 29. Barcelona: Edición Upc, 2016.
- (6) Mumford, Lewis. (1935) THE NEW REPUBLIC, New York, Looks it familiar
- (7) Umbalino, Luis (2017) "On Paul Ricoeur's Unwritten Project of an Ontology of Place" Critical Hermeneutics. Vol 1.
- (8) Muntañola, J. and others (2020) The emergence of cities in between the urban morphological studies, the design poetic achievements and the ethnomethodological social surveys. ISUF

RECENT BIBLIOGRAPHY

New Book: Muntañola. J. (2019) Architectonics 31 Architecture and knowledge I. Barcelona: Edicions UPC

Muntañola. J. (2016) Arquitectura y modernidad: ¿Suicidio o Reactivación?. Architectonics: Mind, Land & Society (vol. 29). Barcelona: Iniciativa digital Politècnica.

Josep Muntañola Thornberg, Magda Saura Carulla, Júlia Beltran Borràs, María Teresa Trejo Guzmán, and Josue Nathan Martínez Gomez ON THE SEARCH OF THE BIO-PSYCHO-SOCIAL DIGITAL KERNEL OF ARCHITECTURAL DESIGN, 3rd International conference BIODIGITAL ARCHITECTURE & GENETICS, ESARQ, Barcelona, 2017.

Josep Muntañola Thornberg, Magda Saura, Júlia Beltran, Sergi Méndez, Josue Nathan Martínez Gómez, Sara Cristina Molarinho Marques. THE CONFIGURATIVE KNOWLEDGE OF ARCHITECTURE: FROM CHILDHOOD TO ADULTHOOD UNCOVERED BY THE SPACE SYNTAX ANALYSES, 11th International Space Syntax Symposium, Lisbon, 3-7 July 2017.

Saura, M., Muntañola, J., Méndez, S., Beltran, J. DE LA EDUCACIÓN DEL ARQUITECTO A LA ARQUITECTURA DE LA EDUCACIÓN: UN DIÁLOGO IMPRESCINDIBLE. "Bordón. Revista de Pedagogía", Madrid, 01 Gener 2016, vol. 68, p. 165-180.

Muntañola, J., Saura, M., Beltran, J., Mendoza, L., Méndez, S. REPRESENTAR Y PROYECTAR ARQUITECTURAS EN LA ERA DIGITAL. "EGA. Revista de expresión gráfica arquitectónica", 1 Juny 2016, núm. 27, p. 42-53.

Magda Saura, Sahar Pakseresht and Júlia Beltran, A CROSS-CULTURAL, COMPARATIVE MORPHOLOGY-STUDY OF TWO COMPOSITE CITIES: COURTYARD DESIGN IN BARCELONA AND KERMANSHAH, In: " Rethinking, Reinterpreting and Restructuring Composite Cities", Published by Cambridge Scholars Editions, 2017, p. 103 -119.

Muntañola, J., Saura, M., Beltran, J., Trejo, M. Teresa; Martínez, J. Nathan, SEMIOTICS AND ARCHITECTURE: HOW CAN IT BECOME A FRUITFUL COACTIVE RELATIONSHIP?, Paris, Gaëtan Desmarais editor (In process Anthropolos edition), 2018

Muntañola J. and others 2020 The emergence of cities in between the urban morphological studies, the design poetic achievements and the ethnomethodological social surveys. ISUF



KEY SPEAKERS:

Wednesday 2nd June 2021:

- **Luis Umbelino** Philosopher from Portugal about The ontology of the place according Paul Ricoeur.

"I am at Home. Philosophical approaches to an almost familiar phenomenon"

- **Karl Friston. Neurologue** from England about NEUROLOGY AND THE SENSE OF PLACE. Profesor MB, BS, MA, MRCPsych, FMedSci, FRSB, FRS, Scientific Director: Wellcome Trust Centre for Neuroimaging at Institute of Neurology, UCL.

"In the 'I' of the beholder"

This presentation offers a heuristic proof (and simulations of a primordial soup) suggesting that life is an inevitable and emergent property of any (weakly mixing) system that possesses a Markov blanket separating internal and external states. Crucially, this separation means that internal states will appear hold 'beliefs' about external states. In short, internal states (and their Markov blanket) will appear to model—and act on—their world to preserve their functional and structural integrity. This leads to a Bayesian mechanics, which can be neatly summarised as self-evidencing. Using simulations of action observation and visual searches, I hope to unpack the implications of this mechanics for the way that we perceive things—and the key role of epistemic affordance in our designed environments.

- **Addenda Architects**, from Barcelona

"The new building of the Bauhaus in Dessau: Architecture of memory"

Thursday 3rd June 2021:

- **Alberto Magnaghi**, Architet and senior professor at UNIFI, **Anna Marson**, Urbanist and professor at IUAV di Venezia,

"Place consciousness, bioregional urban planning, self-government"

- **Aldo Bonomi**, Sociologist, AAster (associazione agenti di sviluppo del territorio)

"Smart land: sociophysical frames. Community, enterprise and mutualism and solidarity."

- **Fabio Parascandolo**, geographer and researcher at Università di Cagliari.

"Local community, land history evolution and changes in the economic dimensions."

Friday 4th June 2021:

- **Alberto Campo Baeza** Doctor Architect from Spain about Architecture and poetic Rules.

"Surrender and Globalization"

- **Abalos+ Sentkiewicz, AS+** (Madrid, Cambridge y Shangai)

"Atemporal Communal Palaces"

- **Barozzi-Veiga. Architects.** Barcelona

"Architecture and Art"



THE NINE TOPICS OF THE CONFERENCE

The 9 topics of the next 18th International conference in Barcelona redefined in the follow very way:

EDUCATION

1) TEACHING ARCHITECTURE AND URBAN EDUCATION TO CHILDREN

How to prepare children to live in a new place that is becoming in a globalized world? How to combine the presential and the virtual communication after the bio-revolution of the Covid 19 ?

What are the best pedagogies for the involvement of architecture in education, besides mathematics, history, etc.? What kind of interdisciplinary are needed? What are the political implications of architecture and urban planning teaching in children education? What are the spatial dimensions of the new experiential education, both in projects teams and personal activities? How to use the urban quality indicators developed by the UNICEF Program the Childs Friendly Cities? LAS CIUDADES AMIGAS DE LA INFANCIA? (*Sheridan Bartlett: Urban children: Discussion of UNICEF PROGRAMMING DIRECCCTIONS. New York, 2010*)

2) TEACHING ARCHITECTURE AND URBAN PLANNING IN THE UNIVERSITY

What are the best methods and theories for teaching architecture at universities? How to relate the virtual tele-education with the real social experience of physical spaces ? Which interdisciplinary networks are more appropriate? How to analyse the best way to teach projects, whether with the same program and place for all students in a workshop, or individual freedom to create the program and place of project? How to achieve a balance between an individual obsession with innovation and a rigid homogeneous discipline for all participants in a workshop? How to relate the theories described above and teaching of architecture at the university? How to relate architecture schools with their historical and social environment in full transformation? (*Ashraf Salama: Spatial Desing Education. Routledge 2015.*)

3) SMART CITIES AND BUILDINGS, IT'S DESIGN, PAST AND FUTURE.

Design teaching institutions have invaded our cities with hundreds of masters on design with the most diverse characteristics; we invite these institutions, their students and professors to participate and discuss their theories and practices. How to use computer simulation in such a way that the scientific, aesthetic and ethic capabilities of the users increases.

What are the relations between design and art? How can these schools introduce the digital tools in order to produce a qualified design?

What are the relations between city and designing public spaces, museums, etc.? How the cities can adapt to the new sense of place?

ARCHITECTURAL PRODUCTION

4) THE EVOLUTION OF KNOWLEDGE IN DESIGN STUDIOS. THE SPECIFIC MODERNITY

How we can generate the new sense of place from the building knowledge inside the interdisciplinary studios of architecture? How to uncover the difference in knowledge (embedded, extended or distributed) between single discipline and interdisciplinary design studios

All theoretical views are accepted: phenomenological, systems theory, hermeneutic approaches and other theoretical frameworks.

Anlyse the design production in studios after the bio-revolution.

5) DESIGNIG AND BUILDING THE NEW SENSE OF PLACE

Sustainability and natural orders related to architecture and construction are welcomed. Dissertations about the interplay between technology and design processes are needed. Feedbacks between design and construction are needed related to specific architects or generations of architects.

6) USING DIGITAL TOOLS TO CREATE THE NEW SENSE OF PLACE

Analyses about the feedback between experience and knowledge in the architectural and urban design processes are welcomed. PhD Dissertation about digital tools: space syntax, ELAN,

ISOVISTS, BIOGENETIC ANALISIS etc. as tools for a better design are needed. How to help the



control of the epidemy with such a digital tools,

PLANNING PARTICIPATION

7)SOCIAL PARTICIPATION IN PLANNING AND THE CONCEPT OF THE NEW SENSE OF PLACE CONSIDERED A DESIGN PRODUCT.

Experiences and theories about a social oriented planning process taking into account the cultural diversity of places and users, and the different factors and roles involved in this same process. The gentrification processes and the way to allow human welfare for all the different social groups and values, without social exclusions. (*Richard Sennett: Building and dwelling. Farrar, Straus and Giroux. New York 2018*) *After the bio-revolution the ethical responsibility of designers increase and they cannot scape from it by using mathematical models.*

8)TOOLS AND THEORIES FOR THE SOCIAL EVALUATION OF BUILDINGS AND CITIES AND OF THE SOCIAL PARTICIPATION IN PLANNING.

How rehabilitation, renewal and analysis of post occupation of places can improve human life? How can interdisciplinary research help improve evaluation? What are the best theoretical interpretations of data? What is the role of architects in the social processes of participation of planning? What is the difference between traditional urban design and co-working and cooperative organization of architects, in relation to the social participation in architecture and in planning? What is the role of architects in the new sense of place? After the bio-revolution the ethnomethodological analyses are more important than ever (See David Seamon works)

9) ARCHITECTURAL DESIGN AND SOCIAL HISTORY: HERITAGE AND HISTORY OF URBAN FORMS

Life in cities cannot be fixed in a museistic way. However, to design in order to defeat the existing culture of cities is an artificial work that can only produce thematic parks, where the urban life is as dead as a videogame.

The dialogue and the convergence between tradition and modernity and between innovative design and the history of culture are then needed, in order to build the new sense of place. To preserve our heritage in order to improve the human conditions of our cities is the key aspect at this point. Neither museums, nor thematic parks but livable cities that are in permanent clever transformation, thanks to the specific modernity of each place and to social participation in planning. History has always dealt with epidemies they can help us now.



INTENSIVE COURSE 2021. – The New Sense of Place After the Biorevolution: The Concordance Between the Artificial intelligence and the History of the Human Cultures in the Architectural, Urban Planning and Design Practices.

PRESENCIAL or ONLINE. Barcelona, 8-9-10-11 June 2021

It will include the Analysis and evaluation of the theoretical frame of master and Phd. dissertations in process.

1. The fundamental correlations between design innovations and history of architectural culture: The physic- psycho-social epigenetic model by Gottlieb and Langer, and the topogenetic dimensions of human life by H. Pointcare, R. Zimmermann and p. Ricoeur the new sense of place.
2. Reflexions upon last architectures practical theories from an Aristotelian prospective: the three dimension structure of architecture between design, construction and the social use of places. Hillier, Alexander and beyond with Mumford, Sennet and Bakhtin. The topogenetic model the Umbalino explication of Ricoeur and the Pierre Kaufmann vision of placeness.
3. The pathological prospective of architecture and planning in between three critical human phenomena: Illness, stress and war, and the basic role of criticism and education the topogenetic model as social welfare.
4. The practical wisdom of architects today in a global and digital world. From Aristotle toward today the human recapitulation and the heterochronic structures of men in between arts, science and political views. The architectural and urban practices as theories from a topological point of view, the reactivation of architecture or the suicide of architects in between the Bing Bang and the day by day reality.

ONLINE. The price for the intensive course contemplate the possibility to attend the online course, presential or both. You should pay the course to receive the assistance certificate

INSCRIPTION

If you are interested in participating in our online course or conference, please fill the online registration form as a first step:

[REGISTRATION FORM](#)

1st March

The pathological prospective of architecture and planning in between three critical human phenomena: Illness, stress and war, and the basic role of criticism and education the topogenetic model as social welfare.

12th April

The practical wisdom of architects today in a global and digital world. From Aristotle toward today the human recapitulation and the heterochronic structures of men in between arts, science and political views. The architectural and urban practices as theories from a topological point of view, the reactivation of architecture or the suicide of architects in between the Bing Bang and the day by day reality.



PARTICIPATION WITH ABSTRACTS:

The deadline for abstracts submission in English or Spanish is **March 31th , 2021**. We ask for one page A4 abstracts to be sent by email to newsletter.pa@upc.edu. All accepted abstracts and full papers will be published on the web: www.arquitectonics.com with ISBN. Full papers with 10 pages should be sent between the first of September until 31 of October 2021 and they will all be uploaded with ISBN in open access in the web. A selection of the full papers will be published in the international journal Arquitectonics: Mind, Land & Society.

Co-authors who will not attend the congress do not need to register or pay the fee, but they will not receive a certificate of attendance. Co-authors who will attend the congress need register and pay partial fee. Authors and co-authors can participate only to a maximum of two abstracts.

REGISTRATION FEES

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CONFERENCE ATTENDANCE WITH ORAL PRESENTATION	300€	200€
LISTENERS (ONLY ATTENDANCE	100€	100€
INTENSIVE COURSE ATTENDANCE IN BARCELONA OR ON LINE	+100€	+50€with the conference + 100€without the conference

