

space and process

INTERNATIONAL CONGRESS OF
ARCHITECTURE AND PLANNING



ICONARCH IV PROCEEDINGS BOOK



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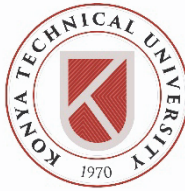
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Department of Architecture and Department of City and Regional Planning

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FOREWORD

Dear Colleagues,

As Konya Technical University, we are proud to organize the fourth of ICONARCH congress series. The 4th International Congress on Architecture and Planning has provided a qualified scientific discussion environment on almost all issues concerning Architecture and Planning with a very intensive and comprehensive program.

ICONARCH congresses are organized every two years by Konya Technical University Faculty of Architecture and Design. We would like to organize this fourth congress by hosting our protocol members and guests in Konya, the cradle of civilization, the Seljuk Capital and the city of Mevlana. However, the pandemic conditions did not allow this. Despite everything, we held a very useful and successful congress.

The concept of "space", which has been handled at different scales within the education and practices of Architecture and Planning, has taken on a more complex structure with the meaning loaded on it in recent years. Analyzing and understanding this complex structure necessitates process-based perspectives. It also requires an understanding based on cooperation with different disciplines. ICONARCH IV aimed to bring together the profession of architecture and planning and disciplines that have strong relations with these professional fields. In a period where spatial approaches are heavily on the agenda, our congress was held with the theme of "Space and Process" at the center of new searches and discussions. In the congress, under the main theme of "Space and Process", within the scope of the themes determined under 9 different subtitles, the way the space was handled at different scales and the attributed meaning has been discussed.

Each society and production style creates its own space that meets its own needs, reflecting its lifestyle and culture. Architecture and planning disciplines recognize that space and society have the potential to mutually transform each other. In the history of humanity, we are living a period in which change is extremely rapid in every field. Technological developments, climate changes, ecological crises, growing socio-economic unrest, global migration, political conflicts, social, cultural and spatial transformations should be evaluated sensitively in the process of change of space. In this transformation process of the world, ICONARCH-IV is an important platform for those who want to explore the new global society and space dynamics. In this context, ICONARCH-IV has emphasized the metamorphosis and innovations through which space and spatial processes pass in the face of rapidly changing demographic, social,

economic, ecological and technological structures. Space is considered as the transformer, reflection and result of these changes.

An intensive exchange of information and interaction has taken place at the congress, where scientific studies addressing the versatile structure of spatial processes in various dimensions has been presented. On behalf of my school, I would like to thank the valuable scientists, invited speakers and keynote speakers who participated in our congress from Turkey and abroad, especially to Prof. Keith Halfacre, Prof. Robert Cervero, Prof. Simin Davoudi, Prof. Ayda Eraydin and Prof. Eva Stachura.

On this occasion, I would like to thank the Members of the Scientific Committee who played different roles in the organization of the congress and my friends in the congress organization committee. I would also like to thank Konya Technical University Rectorate, Architecture and City Planning Departments, which contributed to the organization of the congress, and TUBITAK, which provided financial support to the congress.

ICONARCH IV is a scientific event that guide researchers and practitioners working in the field of architecture and planning, stating that I wish to be together again in ICONARCH V, which will be held in 2022, and I present my respects.

Prof. Dr. Rahmi ERDEM

Congress Chair

Dean of the Faculty of Architecture and Design

Konya Technical University

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DARWINIAN APPROACH AND MUTATIONS: BJARKE INGELS (BIG)

*Ayşenur DAĞ GÜRCAN**, *H. Ercan GÜRCAN***

ABSTRACT

Bjarke Ingels (BIG), one of the architects who proposes new insights, suggestions, and manifestos about contemporary architecture and its problems, has used mountain metaphor through conscious inspiration strategy and has favored positivist and pragmatic thinking and utilitarian architecture by saying 'Yes is more'. BIG, with its discourse of 'think big', has taken the stance against the conventional box forms and the facades that surround them, and has brought architecture to different dimensions. BIG has defined the project process that evolved through adaptation and improvisation, intending to focus on life rather than aim in architecture.

While Ingels' design philosophy constitutes the conceptual approach of the study, this study is prepared by using the architect's discourse, oral and written interviews, videos, digital written texts and literature studies. In this context, the repetitive examples that the architect defines as mutation and adaptation are classified as diagonals, stepped pixels, bending of the mass, shifting of the plaques, breakage of the form, holes and slit opening to the mass, helical ramps and spiral tendencies. The stepped pixels in this classification are the main subject of this study.

In this study, it has been researched how allow to dialogue in urban stairs of the pixelated structures designed by the architect with his passion for lego. Ingels' pixel or lego attitude; areas of socialization in his topography; Approaching to human scale, the language of mass and form, relationship between human and space, the suggestion of space for experience, public space concept, dialogue spaces were discussed based on architect's approach, repetition of his design and mutations. These parameters were evaluated under four examples (Lego Tower, Mountain Dwellings, King Street West, 79 & Park).

Ingels, who was influenced by Darwin, interpreted the tree of evolution as a diagram of the way he works. He explained the unification and selection of the design ideas that emerged in the architectural process as the

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evolution of the idea. BIG designs new mutants by developing prototypes. In the case of the BIG, these mutations occur when the concept and form are designed independently of context. BIG which creates its context and organizes its own space, went to the way of dividing the object through pixels when designing macro-scale structures. Thus, he made the big picture more understandable and perceptible. He tried to achieve the human scale with the gradual pixels rising from the ground level. In this way, Ingels' pixels buildings has transformed itself into an experiential part of urban.

Keywords: Bjarke Ingels (BIG), Evolution, Mutation, Repetition, Residential buildings, Stepped pixels.

The full version of this paper is selected to be published in the special issue of International Journal of Architecture and Planning (ICONARP) after the peer review process.