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11TH INTERNATIONAL EXHIBITION

ON ARCHITECTURE - CHALLENGES IN DESIGN

EXHIBITION BOOK

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SUSTAINABLE URBAN SOCIETY ASSOCIATION

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PREFACE

At the beginning of the 21st century, faced with the challenges of climate change, depletion of resources, high environmental pollution, and hints at an uncertain future, we are questioning the various roles of architecture.

Whether technological development and the use of new concepts in design, the use of new materials in construction, the use of new tools in the creation of concepts can provide an answer, is the theme of the conference and exhibition "Challenges in Design".

The new concept of architectural objects and the use of materials in the isolation of objects and the concept of facade envelope are an inspiration and a challenge in creation. Is art a part or is it against the concept of an architectural work – art vs architecture. Whether architecture and new media and the use of virtual and augmented reality can be tools in architectural design is the question of the position of architecture in the digital era – from parametric design to VR and AI, as tools in design. In addition to new buildings in the transformation of the city and the change in the structure of activities, there are many huge abandoned industrial buildings, which refers to the topic of reconstruction – reworking of the city and architecture – reworking of architecture and the city – reuse of abandoned buildings and places.

That is why it is particularly interesting how cities will be organized in future development, how to improve the quality of work and life, and how architecture can help through the organization of space, materialization. In particular, the further improvement of information technology, which have made an outstanding contribution, enabling the holding of study programs in the faculties, as well as the holding of conferences and meetings.

DESIGN CHALLENGES MACRO AND MICRO SCALE

- Challenges in Architecture, Urban Design and Art
- Modeling the Future – modeling of the future architecture and design with implications for environment and society,
- Living architecture

- Urban Design Projects – small scale design thinking and town planning as an inspiration for integrative planning,
- Showcase Presentations – new idea or project realization in Architecture, Urban Design or Art

Milena Kordić

LIFE ON THE SUNNY SIDE OF THE STREET: ADAPTATION AND RECONSTRUCTION OF THE APARTMENT IN DOBRAČINA STREET, BELGRADE

The city center apartment initially faced challenges with its layout, exposing the living area to noise and pollution from Cara Dušana Street. To improve functionality, the interior was restructured. The living area now enjoys a tranquil, sunlit courtyard view, while a corridor separates the bedrooms and bathroom. This redesign transformed the apartment into a more inviting space. Warm and natural materials were chosen to complement the surroundings, including a green wall in the courtyard and the vibrant morning sun. This thoughtful reconfiguration optimized space and created a harmonious living environment in Dorćol's housing blocks.



Dejan Todorović, Milena Kordić

THE EMERGENCE OF WHOLENESS: SMALL DOWNTOWN APARTMENT

Living in a 40 square meters apartment at Vračar in the heart of the city offers a unique urban experience. The aim was to create a cohesive living space for a young couple in this vibrant center. Micro-units were interconnected and harmonized to maintain autonomy while fostering synergy. This merging of micro-units forms a singular and distinctive space. Reducing vertical elements by 50 cm from the ceiling unifies the apartment, creating a sense of belonging. Just as the apartment transformed, downtown living encourages community engagement and connections with the urban surroundings.



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THE EMERGENCE OF WHOLENESS:
Small Downtown Apartment

Living in the heart of the city, within a 40 m² Vračar apartment, means trading spaciousness for the captivating allure, unique character, and full immersion in the lively urban atmosphere of one of the most pleasant areas for living in Belgrade.

The objective was to craft a living environment for a young couple in this bustling city center. The approach involved interconnecting and harmonizing micro-units to seamlessly unite the entire space into one cohesive, expansive whole. Each distinct activity area maintains its autonomy while remaining open to other facets of the apartment, fostering a dynamic synergy.

This intertwining and amalgamation of micro-units culminate in a perception of the entire apartment as a singular, complete, and distinctive space. A pivotal architectural and interior intervention facilitates this perception – the reduction of vertical elements by 50 cm from the ceiling, culminating in their unification. This strategic maneuver enables residents in every micro-unit to perceive the ceiling as an unbroken continuum, establishing a profound sense of belonging to a higher-order unit.

Much like the apartment's transformation, downtown living here mirrors a sense of community, encouraging residents to actively engage and establish new connections with their urban surroundings.

MArch Dejan Todorović, PhD Milena Kordić, architect

