

The concept of education, science, profession of architectural environment design in Ukraine

Abstract

This article describes the problems, reality and perspectives of the new architectural trend in Ukraine – the architectural environment design at the beginning of XX century. In all of it's courses – education, science, applied activity. Author has designated the main educational and creative trends in architectural schools of Ukraine, the place of Lviv architectural school, described the architectural design priority development directions based on the results of scientific and practical, educational seminars; various competitions, reviews; masterclasses; exploring projecting of teachers and students of AED chair at NU "Lvivska Politehnika".

Keywords: classic, monumental, cultural, futuristic design of architectural environment and it's aspects – urban design, landscape design and scenographical design

On the eve of 10th anniversary of the chair, when it and it's activity takes high place among all of architectural academies of Ukraine in front of all Kiev National University of Construction and Architecture (KNUCA), Pridneprovska National Academy of Construction and Architecture (PNACA), U. Kondratiuk Poltava National Technical University (PNTU), Kharkov National Technical University of Construction and Architecture (KNTUCA), Lugansk National Agrarian University (LNAU) and others which cultivate the design of architectural environment, when this activity is supported not only by chair admirers from academies or other educational structures, but by professional architects from Kyiv, Lviv, Ivano-Frankivsk, Ternopil, Lutsk, Chenivtsi, Drobyzhych, Khmelnytskyi, Dubliany and others, acknowledged, tested and developing with educational partner-structures from Dresden City Technical University, Keltsy Politehnika Sventoshinska, it's time not just to sum up. Not only to sum up the results and make description of chair's activity for education, science and profession development for Lviv architectural school, but for Ukraine as whole. To sum up the results of activity and make forecast of it's development in the future.

The main result of AED chair's 10-years activity is the understanding that the changes of the national design's old paradigm of architectural environment and of architecture as whole are needed. Understanding that it's time to proceed to a single organic theory of sense and to use the achievements of architectural phenomena at it's indissoluble unity and interaction of all formed parts. It's very important nowadays, when some regressive trends of design, architecture, environment and society get significant dynamics.

Although at the end of XX – beginning of XXI century the amount of cities and towns in Ukraine has stabilized, one can't claim the completion of the urbanization. The truth is that urbanized part of Ukrainian nation is only forming. This means that requirements to quality, aesthetics, harmony of urban environment are not yet

canonized. Although it's understood that these laws must develop from all the world's architectural progress, there are much of ones with Ukrainian sources and mentality. For example, from nearly 500 cities (millionaires, large, medium, small) from 80 to 90 percent are the ones which risen historically and not declaratively, the cities risen by both policy and burg schemes. And this needs an exclusive design in it's environment.

The cradles of Ukrainian civilization are almost 1000 towns and nearly 30 000 villages (disregarding any extensions and other changes). That's why Ukraine as the 12–14 position in population density among the European countries, needs not only inner cities environment design, but outside them, between towns and villages in environment of country settlements. The destructive factors which affect design in Ukraine are natural factors – demographic worsening, working capable population flow-out; low-effective service; lag in engineering and transport, communications infrastructure development, engineering accomplishment; the absence of rational strategy for energetic and fuel sphere; ecological problems and many others. This needs special education, knowledge, skills. That's why AED education, science and profession in Ukraine needs quantitative and qualitative progress.

In 2011 in Ukraine 19 architectural schools are present, 75% of them cultivate the design of architectural environment. Although the number of educational structures have risen by 10 years

almost twice, Ukraine still takes 59th place in the World by the number of licensed architects per 1000 individuals – 0,143. In other words, we're not just behind the most powerful by means of design countries like Japan (1), Italy (2), Greece (4), Great Britain (32), France (37), which have architects to 1000 persons of population ratios like 2,404; 1,94; 1,435; 0,508; 0,446; but behind Armenia, Romania, Tunis.

But profession is created not just by it's representatives or the ones who claim to be such, not only their numbers (in Ukraine it's a little bit more than 7000 persons registered by national architects community of Ukraine). We all know that nowadays there are trends of appointing to architectural administrative positions people who are not very competent in the sphere of applied design – builders, land use organizers at best considered as normal. The fact is that anyone, who can read a disc with one or another solution to space, furniture, texture, which is sold with magazine in any shop, consider himself a designer.

No, the profession is also created by ideas, knowledge and achievements of these who identify themselves with architectural environment design in the first place and identify themselves with AED school, it's concept and doctrine in the second.

This is the main, the most important! Why? Because in near past and now in the head of chairs in Kyiv, Kharkov, Lviv, Poltava, ..., are personalities who have serious theoretical knowledge. Although we know that time demands new approaches to the profession – from totally theoretical education methods and achieving theoretical skills to practical skills: namely the various and deep theoretical training began playing progressive role.

Exactly the schools and teachers who train specialists designers and architects have influenced the forming of architectural design, contributed with scientific and practical educational seminars; various contests, reviews; masterclasses, lecturer exchange, creating various AED promoting studios in the way of best world's examples in our chair...

All these years the national architectural school is ahead of it's time and has made a conclusion of perfection necessity of architectural design cause with theoretical interpreting the educational, scientific, professional processes. The time and situation in the country is dynamical so one can't say that the monopoly of Kiev, Kharkov or Lviv's school is present in Ukraine. Which should be made as soon as possible and activate search of new universal and effective forms of specialists training.

Three main flows of AED specialists training are present in Ukraine at the beginning of XXI century.

The first one has developed from acknowledged some time ago remains of realistic doctrine, which has gathered classic achievements from antic to soviet times, social realism apologists, constructivist-functionalists experiments and what was left after architectural extravagances struggle in soviet architecture.

The second flow, most time under a shade of the first one, depends on achievements of supremacists, symbolists, "paper" futurists from Leonidov, El-Lysytskyi and Kilzer to Chumi, Benesh, Ayzenman and others.

The third one is the meaning of main national architectural school. In the other words, the flow with signs of both first and second ones, which are harmonized and consider world, continental, national, regional and local aspects.

The first flow begins from classic architecture history knowledge, drawing, projecting. It's goal is to make a classic architect – the one who has precise drawing, skills to construct and draw forms, build perspective, feel architectural nuances, light and shade play.

In second case the art of architect-designer is gathered by small parts after precise selection from training an architect, architect-technologist, architect-material expert, architect-philosopher. The third training for architect-designer has the signs of the first and the second and consist of ultra-thin mutual influences. The limited amount of architectural schools in Ukraine practice this model of training. Only the ones which have major historical, educational, scientific experience. At the same time the achievements of own seniors. The majority of new schools rush among two first models and can't integrate to any of them.

That's why our architectural environment design achievements seem quite modest – these are remakes with no thought, generic kitch projects, solutions overloaded with architectural decorations, but there also are original, successful spacious, environmental, colorful solutions, which agree with natural, landscape, architectural context.

Effective connections between engineers-builders and architects-designers remain a problem. Maybe it's because of that mutual distrust from "developed socialism" era, when executive engineer was given prerogative of being commander in case of design. And architect-designer was given a role of some free artist to satisfy blissful imagination of various adjacents. Exactly the opposition engineering to architectural design caused architect-designer to achieve needed engineering skills, and architectural design solutions sketches started to have own project and art value and transformed from generic sketches to graphical-compositional-art works.

The renascence of the profession should be only when the project author architect-designer will be fully responsible for project building spacious work design and subject filling organization and manage funds for building architectural masterpiece.

Profession will be defended only when from copyright point of view architect-designer will be the author of purely creative part of his work with design object – the idea of space and environment solution and co-designer of all that remains. Other what integrated and is the part of his project – composite, facing materials, technical and technological equipment. Usually architect-designer is not in charge of developing techno-

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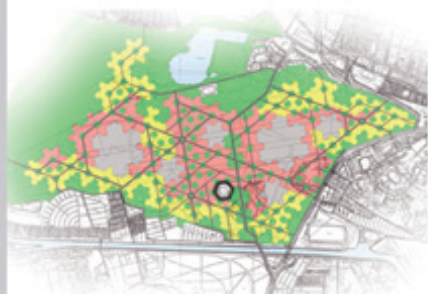
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Die Strukturen



EMPFOHLEN FUNKTIONSBEREICH

Die Öffentlichen Gebäuden
Die Wohngebäude
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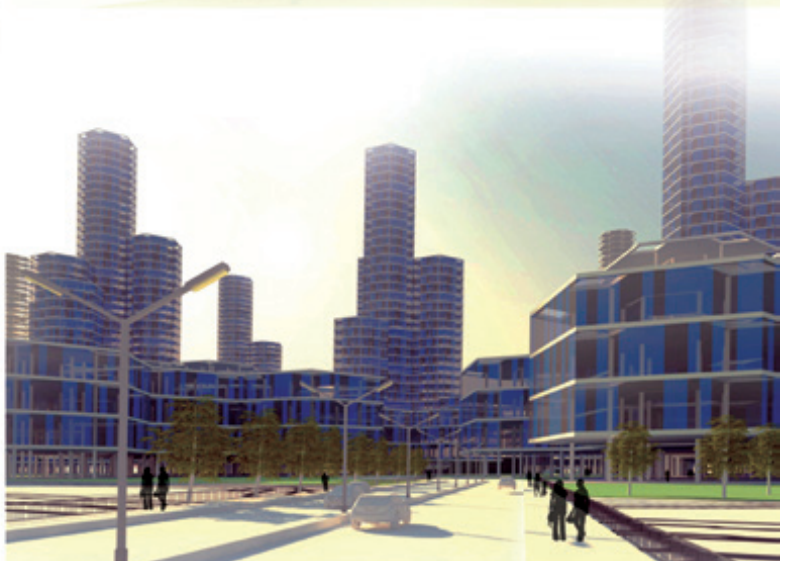
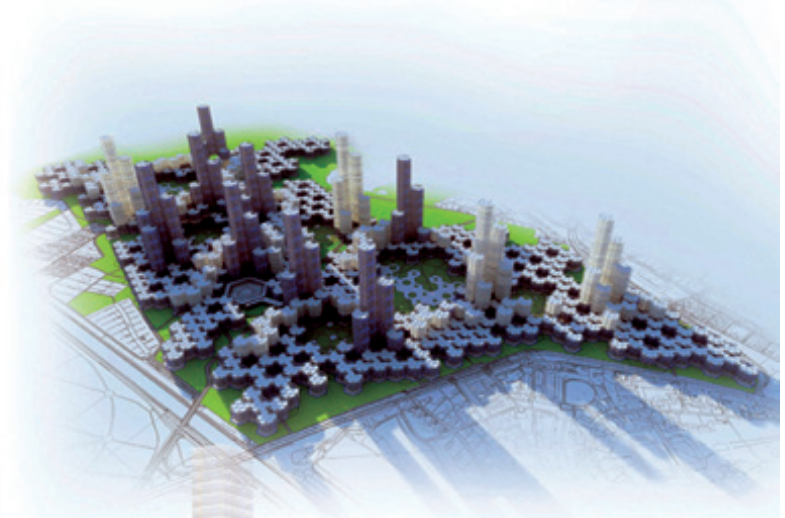
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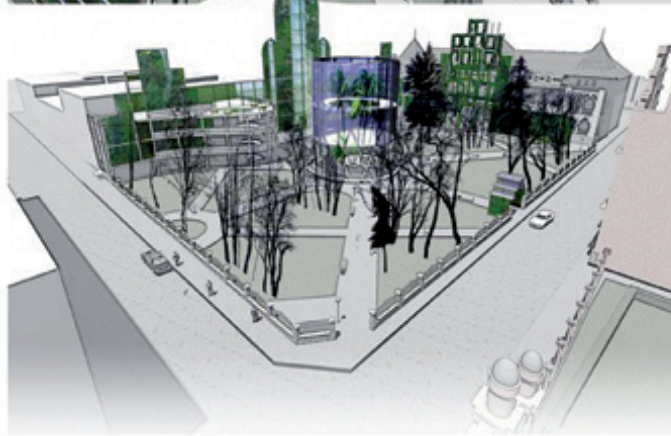
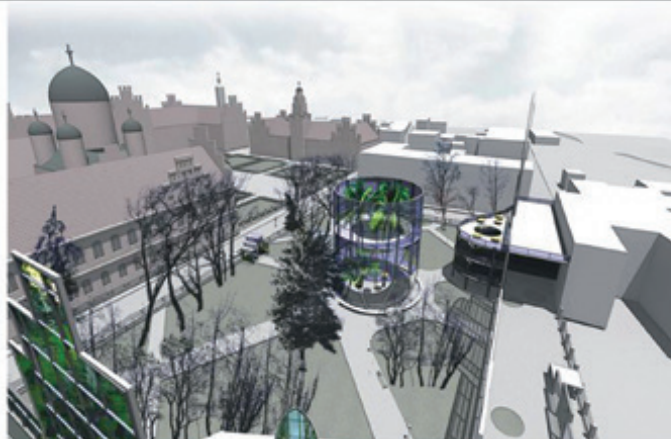
Генплан М 1:500



Експлікація до генплану:

1. Центр композиції: відкрита оранжерея. У відкритій землі може нести функції кафе, сцени, виставки;
2. Конструкції – рами для формування вертикальних площин зелені (гостинці);
3. Кафе та навісний субентріф;
4. Край зупинки громадського транспорту;
5. Громадські туалети.

Схема існуючої посадкидерев



Розгортка по вул. Університетській



Розгортка по вул. Коцюбинського



logies and direct production of object constituents of environment of their objects. But all these necessary for his idea and creative solutions constituents are ridiculous on themselves. But the price of their totality in the realization of the project are much higher than the ones at the building market and by one.

There's one more trend which is useful on my opinion. According to my observations the weight of applied artists in architectural design from the environment of high school teachers became higher. The artists who has not abandoned the educational work and will not abandon it. The positive moment about that is that exactly these representatives of architectural design can radically change the working conditions on the market. No, they don't dope the project prices, they transfer the various educational-project studios organization experience to the reality of applied activity. They create flexible and effective bureaus in conditions of inflation, when projects have to be produced during 1–2 months, when material and technical resources are limited and the State don't take any legal or financial obligations.

One may achieve changes in ideology of training Ukrainian architect-designers and in particular in Lviv Politechnika only when artificial breach between conservatism and fantasy can be got rid of; between careful but primitive studying of environmental context, scenery, silhouette and metaphor possession; constru-

ctional aesthetics and decore; connect modern and classical visualization means; attract to all other branches.

And the last. As said before, there are no school monopolies in the country's high architectural education. But same demands and rights for all schools, world famous and recently created, is not right on my personal opinion.

Here in Lviv, taking into account all historical way of Lviv architectural school (around 300 years), history of forming city's architectural environment, the experience of cooperation with almost all of Ukrainian national architectural schools and with architectural schools of Austria, Germany, Poland, Russia, Sweden, Netherlands, Czech, USA and Canada, we have made the conclusion that our priority development courses are the following. It's the classical architectural environment design and also the monumental, cultural, futuristic design. And some applied aspects – urban design, landscape design, scenographical design, interior, equipment, furniture design (Pic. 1).

il. 1. Examples of priority projecting courses of students and teachers under professor V. Proskuryakov's leadership at AED chair, architecture department of National University "Lvivska Politechnika" in 2010–2013.

B. Landscape design. Park territory accomplishment project at crossing Universitetska and M. Kotsiubynskogo streets, Chernivtsy City. Students U. Bartko, U. Purshaga, U. Cherniukh, 2013.

C. Scenographical design. Scenography and architecture project for "Icebergs" performance of "Malenkyy globus" theatre at Gunpowder Tower, Lviv City. Student S. Abramkin, supervisors: professor V. Proskuryakov, assistant D. Yarema.

