

April 6th – 13th 2019 in Lviv, Ukraine International workshop on Urban Design

Urban Density Lab Lviv 2019

Report

Academic partnership between the Vienna University of Technology and Lviv Polytechnic National University www.vienna-lviv.info



Urban Density Lab Lviv 2019

6th – 13th of April 2019 in Lviv, Ukraine

Urban design proposals for neighbourhood transformation in Naukova and Vyhovskoho districts in Lviv, Ukraine.

54 Architecture students and 11 tutors from 4 different universities in the Ukraine, Austria, Germany and Poland worked together with the Lviv Municipal Administration on this laboratory project.

This laboratory focused on urban design, was organised within the framework of the academic partnership between the Vienna University of Technology and Lviv Polytechnic National University (www.vienna-lviv.info). The Urban Density Lab Lviv was part of an academic semester program in the summer term of 2019 at both partner universities.

It was composed of:

- a condensed preparatory phase in Vienna, Gdansk and Lviv in March/April 2019
- The Urban Density Lab onsite in Lviv between the 6th and 13th of April, organised as an international workshop on Urban Design
- an elaborative phase where the student's urban design proposals were finalised at the home universities in Vienna, Lviv, Gdansk and Cottbus
- an exhibition and public discussion of selected results in September 2019 in Lviv.



Saturday, April 6th 2019

Arrival of all participants in Lviv, check-in, first orientation

14.00

Architectural Walking Tour - City Center

Guided by: Vladyslav Bobuskyi, Olga Khymytsia, Anastasiia Hapanovych, Polina Peleshchak, Denys Horodnyak, Andrii Kniaz, Maryna Peleshchak, Mariana Trofimchuk (students of Lviv Polytechnic National University)

Meeting point: Main entrance of Lviv City Hall, Rynok Square

The walking tour guided the students to the main key-locations (squares, parks and other emblematic locations) and key-buildings (from all historic and contemporary time-periods) in and around the city center. From point 1 to 12 at the Walking Tour map (see below): Rynok Square, Latin Cathedral, Synagogue Square, Dnister Insurance, Uspenska Church, Dominican Church, Armenian Church, Benedictine Monastery, Maria Zankowetska Theater, Opera House, Bank of Prague, Museum of Ethnography

17.30

Staff meeting: conception of the methodology of

work (Restaurant "Gwara", Brativ Rohatyntsiv Str. 32)

- Lviv Polytechnic National University
- Vienna University of Technology
- Gdańsk University of Technology
- Brandenburg University of Technology Cottbus Senftenberg



Saturday, April 6th 2019 (continuation)

Exhibition: "Ivan Levynskyy. Impulse" at the Gunpowder Tower





16.00 Exhibition: "Ivan Levynskyy. Impulse" Gunpowder Tower (4 Pidvalna str.) Organised by: Lviv Regional Organisation of National Union of Architects of Ukraine Pavlo Gudimov Art Centre "Ya Galereya" curated by PhD Bohdan Goy

Guided tour by: Bohdan Goy Translated by: Andrii Kniaz (student of Lviv Polytechnic) Accompanied by: Mykola Sheremeta, Bohdan Cherkes, Anton Kolomyeytsev

This year will mark the one hundredth anniversary since the death of Ivan Levynskyy (1851–1919), the leading construction entrepreneur of Galicia in the late 19th to early 20th century, manufacturer, architect, professor, public man and philanthropist. Although he was born in the city of Dolyna he later moved to Lviv where he studied at the Lviv Real School for seven years, and in 1869 started studying at the Lviv Technical Academy (engineering department) and graduated with honors. In 1875 he began working in the reorganized Polytechnic. In 1901 Ivan Levynskyy became a professor, and head of the newly established Department of Utilitarian Construction. At the start of the 1880's, Levynskyy received official permission to engage in construction and began business activities. During this time he also founded his own construction firm. In addition to the project work, Levynskyy's company was involved in all stages of the construction of buildings, actively engaged in buying and selling land plots, and also established production and trade in various construction materials. Working with a wide range of leading architects, Levynskyy's firm implemented hundreds of diverse projects over the course of three decades: these include single-family houses, private and public buildings.

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Sunday, April 7th 2019

10.00 (until 18.00)

Lviv Urban Analysis: Guided bus tour to the planning sites and recent development areas in Lviv Meeting point: Lviv Polytechnic NU, Main Building, 12 Stepana Bandery str.

Organised and guided by Anton Kolomyeytsev In order to become familiar with the context and project sites, students were given the opportunity to visit the sites before the workshop officially begun. After visiting the Vyhovskoho and Naukova sites, the analysis of urban projects (Sheptytskyy Center and Villa Magnolia) attempted to communicate the main requirements and current urban development goals in Lviv, in doing so, preparing and inspiring the students for the workshop projects.

The areas were analysed by the students focusing on the typology, function, density, materials as well as the role of public space.



Sunday, April 7th 2019 (continuation)

Site 1 - Vyhovskoho street - Liubinska street - railway - Horodotska street

The area around the Vyhovskoho, Liubinska and Horodotska streets are located in the Bohdanivka and Zaliznychny districts. It is next to the district called Sygnivka. Vyhovskoho street was built in the district of Signivka in 1920's. The development of the street is quite diverse, and almost all styles and types of residential development during the 20th century are represented. One and two story constructivist buildings from the 1930's, one story constructivist buildings from the 1950's, multi-story residential buildings from the 1960's through to the 1980's and modern private estates can all be found here. Massive housing construction in the district of Vyhovskogo site began in the 1960's with a project designed by architects L. Nivina and A. Consulova. Here a new neighborhood of 5-storey residential buildings ("khrushchyovka" - the unofficial name of these buildings, named after Nikita Khrushchev, who directed the Soviet Union at that time) was designed and built. The project became the first large housing complex of its kind in the area. The composition is based on the formation of residential groups made up of five story houses. These are set perpendicular to each other, which creates rather large rectangular interior spaces.

HISTORICAL MAPS





Sunday, April 7th 2019 (continuation)

Site 2 - Naukova street - Kulparkivska street - Volodymyra Velykoho street - Kniahyni Olhy street

The region around the modern Volodymyra Velykoho street has not always been part of the city, in fact in the 19th century it actually passed through two villages. Over time the street has grown. All current homes and buildings on the Naukova site are actually products of the Soviet era. In the 1970's active construction of the southern massif of the city of Lviv began, which included a part of the former village of Kulparkiv. At the Naukova site, micro districts of standard 5-storey and 9-storey residential houses were built at that time. Construction was completed during the 1980's and the 1990's. The construction of the southern massif was developed by the architect V. Kamenschyk. There is a boulevard running along an east-west axis through these micro districts, which provides an internal pedestrian connection between them and the public center.

These days there are more than one hundred thousand people living in this southern residential area. The planning of this area is organised around a group of micro districts each with around ten to twelve thousand inhabitants.





Monday, April 8th 2019

Offcial opening of the Urban Density Lab Lviv 2019

Meeting point: Lviv Polytechnic National University; Main Building, Stepana Bandery Str. 12, Room 304

9.30 - 10.00

Welcome at the Faculty of Architecture

by Prof. Nataliya Hots (Head of Center for International Education), Prof. Halyna Petryshyn (Head of Department of Urban Planning and Design) and Doz. Anton Kolomyeytsev

Tutors and staff:

Ph.D. Anna Orchowska-Smolinska, Ph.D. Magdalena Rembeza, Dipl.-Ing Markus Otto, Ph.D. Andreas Hofer, Dipl.-Ing. Christian Gigler, Solomiya Konyk, Iryna Demianiuk, Olivia Daschill and Anastasia Hujvan Goals and methodology of the workshop statements by: Andreas Hofer and Markus Otto

10.00

Presentation of the workshop program

by Anton Kolomyeytsev

10.30

Presentation of the topic and workshop sites Lecture:

"The Role of the workshop sites in the context of urban density perspectives for urban development of Lviv" by Anton Kolomyeytsev as representative of Julian Chaplinskyy, Chief Architect of Lviv



Monday, April 8th 2019 (continuation)

Who is who. My object.

11.00

Conclusion of the site-analysis and collective feedback

The students introduce themselves individually and present one object they found at one of the sites which they thought was representative of the site's conditions, potentials and/or problems. All of the objects were placed on a table to form the collage shown below.

11:30

Presentation of preparatory materials by students of TU Vienna and Gdansk University of Technology

The students from each university completed a preparatory phase before participating in the Urban Density Lab 2019 and presented their findings together with their colleagues. The models were built by students from Lviv, the Viennese students prepared an analysis of "good practice examples" and Gdansk students presented their research on the city of Lviv and the sites.



WORKING MODEL NAUKOVA

WORKING MODEL VYHOVSKOHO



Monday, April 8th 2019 (continuation)







12.00 - 13.00 Creation of working teams Selection of the territory

13 teams of 4-5 students from different universities work together on one project proposal:

10 international teams choose to work on the Vyhovskoho site and 3 teams choose to work on the Naukova site.

13.00 - 18.00 Optional trips to the sites

The newly formed international teams visit the sites individually without the tutors. Site and context analysis and mapping the territory



Tuesday, April 9th 2019





9.30

Presentation of "Mapping the Territory"

After revisiting the sites on Monday afternoon, the student groups present their first analysis, which they prepared together as a team.

11.00

Requirements for Interim Critic

by Andreas Hofer und Markus Otto

13.00 - 18.00

Group work: finding goals

Conclusions of analysis and interpretation, critical review of the mapping and visionary approach are completed. The search for the preliminary development goals for each project area starts during this phase of work. All group work during this workshop week is done in continuous dialogue with the tutors.

Group work: Conceptional phase I

The first conceptual approach requires a transition from the development goals to an urban concept for at least one future development option for the chosen site. It is based on not only on function but also form





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Tuesday, April 9th 2019 (continuation)

Selected results of the Presentation: "Mapping the Territory": Naukova and Vyhovskoho sites



10.00-12.30

1st Interim Critic "Urban Density Lab 2019" "Market Square method"

During this presentation, the first conceptual approach for the creation of a future development scenario on the chosen site was discussed.

Tools: working models, sketches, diagrams, logo (handmade only).

Each working team presented:

- a catchy working title and logo for the project
- interpretation of the site analysis and conclusions
- the formulation of goals for the future development

• conceptual drawing of the future neighbourhood; including programs and urban qualities.

The spatial development was presented in working models (several variations), sketches and diagrams on a A1 panel (hand drawings).

Each working team received feedback from the tutors about their concepts and presentations during this process.

The **"Market Square method"** is a non-hierarchical interactive tool for presentation and feedback sessions based on mutual group-conversations. The classroom is a market square where each working team presents their preliminary design projects on board like a market stand.

Each working team divides their members in

• "vendors", who stay at the "market stand"; they answer questions and explain the background of the project

• the other "scouts" are "flying" over the market square and analyse the presented projects, ask questions and reflect. After a previously defined time period the vendors and the scouts change their role and another similar session takes place. All working-teams (vendors) are obligated to record their conversations on a board and arrange them into positive, negative or other categories (each comment should be summarised and should not be longer than 3 words). The tutors in both sessions only have the role of "scouts"! After a 20 min break in which all working teams reflected on the previous sessions, a third session concluded the morning with a brief summary of all written comments. Final comments from the tutors were expressed.



Wednesday, April 10th 2019 (continuation)

Selected results of the 1st Intermediate Critic "Urban Density Lab Lviv 2019"





13.00 - 18.00 Group work with tutors intervening

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Public event

Lectures by invited international architects Lviv Polytechnic NU, Main Building, Room 319

Prof. Andreas Hofer: "Affordable Urban Habitat: Quality Management by Developers Competitions"

Ph.D. Magdalena Rembeza: "Facts and Myths of Urban Regeneration Projects in Gdansk, Poland"

Prof. Markus Otto: "Urban planning against will of the citizen?"

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Thursday, April 11th 2019

09.30 - 23.00

Group work: Concept phase II

consolidated. In order to do this remarks from the previous day and comments on the 1st Interim Critic need to be acknowledged in the working process.

The students make final conceptual decisions in consul-During this phase the first conceptual approach has to be tation with the tutors and the required content of the final presentation is communicated. At this point the students either start working digitally or proceed with the preparation for the final presentation by hand.



Friday, April 12th 2019

Last preparatory steps before the Final Presentation

A preliminary urban design concept for the chosen site is to be presented. It is an improved and more detailed concept of the 1st interim critic and it represents the final result of the week's design work.

The projects are to be presented within an A1 panel layout, each team decided which tools to use. Each working team received ample feedback from the tutors throughout the day.

The Final Presentation includes the following content:

- captivating working title and logo for the project
- conclusion and interpretation of the analysis
- clear goals for future development
- conceptual plan of the future neighbourhood 1:2000 including diagrams explaining
- ... structuring elements
- ... green network

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... access and connections ... main functions ... typologies of buildings and public space

- images of the atmosphere of the new neighbourhood
- facts and figures of the new neighbourhood
- •1 working model 1:100 / 1:500

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Friday, April 12th 2019 (continuation)

14.00 Final Presentation of the Workshop "Urban Density Lab Lviv 2019"

(Lviv Polytechnic National University; Main Building, Stepana Bandery Str. 12, Room 304)

The preliminary design concept will be the base of the further design process back in each home university. The methodology of the design process to follow in April and June 2019 will be decided by each University. The urban design projects will be finished with a final presentation at each home university before the end of June 2019. This year Ukrainian students will come to Vienna for the final presentation. The information of the final results will be exchanged during an exhibition at Lviv Polytechnic University in September 2019.

Some selected proposals will be presented and discussed in public in Lviv in September 2019.

Friday, April 12th 2019

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Friday, April 12th 2019

Selected Results of the Final Presentation

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Our Team

Participants

Vienna University of Technology

STUD<mark>ENTS</mark>

Lea Fröhlinger, Muamer Osmanović, Alexander Ladentrog, Alice Benussi, Nina Grünefeldt, Cornelius Schmidt, Noa Laetitia Schaub, Hannah Friederike Mucha, Vanessa Keiblinger, Niklas Hörburger, Paulina Ewa Łakomiec, Regina Caterina Manetta, Marika Ehara, Florian Resch, Alexander Gruber, Markus Zorn, Kyrylo Tarasyuk, Magdalena Klaus

TUTORS

UPRAN

Ass.Prof. Dipl.-Ing. Dr.techn. Dr.h.c. Andreas Hofer, Univ. Lektor Di- pl.-Ing. Christian Gigler, Olivia Daschill and Anastasia Hujvan

Lviv Polytechnic National University

STUDENTS

Viktoriia Aloshyna, Daria Blashchuk, Vladyslav Bobuskyi, Anastasiia Hapanovych, Denys Horodnyak, Olha Khymytsia Andrii Kniaz, Oleksandr Levytskyi, Maryna Peleshchak, Polina Peleshchak, Iryna Petenko, Mariana Trofimchuk

TUTORS

Department of

Prof. Bohdan Cherkes, Prof. Halyna Petryshyn, Doz. Anton Kolomyeytsev, Solomiya Konyk, Iryna Demianiuk

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BMBWF

oeaD*

Brandenburg University of Technology Cottbus-Senftenberg

STUDENTS

Jiaxiuwei Pan, Kyrylo Maikhopar, Moritz Lukas Debertin, Philine Hornbostel, Qiaochu Wang, Tetiana Kozhukharenko, Xiwen Xu, Zeju Mou

TUTOR

Dean Prof. Dipl.-Ing. Arch. Markus Otto

Gdańsk University of Technology

STUDENTS

Anna B<mark>ronk, M</mark>ałgorzata Kolasa, Adrianna Krukowska, Tamara Krygier, Anna Kurek, Agnieszka Linda, Małgorzata Maciejewska, Katarzyna Meissner, Kamil Miszewski, Barbara Pięta, Aleksandra Roguszewska, Paulina Stępińska, Maciej Szukała, Katarzyna Ulasińska, Weronika Żmuda, Sylwia Sitniewska

TUTORS

Ph.D. Anna Orchowska-Smolinska, Ph.D. Magdalena Rembeza

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Report on the Urban Density Lab Lviv 2019 6th–13th of April, 2019, in Lviv, Ukraine International workshop on Urban Design

Authors	Andreas Hofer, Anton Kolomyeytsev, Anastasia Hujvan, Olivia Daschill	
Collaborator	Iryna Demianiuk	
Graphic & Layout	Anastasia Hujvan, Olivia Daschill	
Photocredits	Archive of TU Vienna and Lviv Polytechnic National Ur	niversity
Proofread	Jacinta Klein	

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