

# 26<sup>th</sup> INTERNATIONAL STUDENT COMPETITION

ACADEMIC YEAR 2020 - 2021

THEME:

## XELLA 50

ARCHITECTURAL AND SOCIOLOGICAL SCIENCE FICTION

**HOUSING for the 2<sup>nd</sup> HALF of the 21<sup>ST</sup> CENTURY**

Unconventional terms of reference for unconventional time

# INTERNATIONAL STUDENT COMPETITION

FOR ACADEMIC YEAR 2020 - 2021

OPEN COMPETITION according to the CIVIL CODE of the CR, ACT No. 89/2012 Coll. and ACT No. 40/1964 Coll., the CIVIL CODE and COPYRIGHT ACT No. 185/2015 Coll., in the SR

**Competition Organizer:**

**- Czech Republic:**

Xella CZ s.r.o., registered address: Hrušovany u Brna, Vodní 550,  
664 62 Hrušovany u Brna

**- Slovak Republic:**

Xella Slovensko, spol. s r.o. Zápotočná 1004,  
908 41 Šaštín – Stráže

**Competition Secretariat:**

**- Czech Republic:**

PaedDr. Hana Šimánová,  
Phone: + 420 602 295 350,  
E-mail: hanka.simanova@gmail.com

**- Slovak Republic:**

Mgr. Silvia Frimmelová,  
Phone: + 421 2 581 030 58  
E-mail: silvia.frimmelova@xella.com

**Competition Secretary:**

Czech Republic:

Ing. arch. Aleš Vaněk, M.Eng.

Katedra architektury FSv ČVUT Praha, místnost D-1102 / ateliér D

Phone: +420 605 528 480

E-mail: vanek.alesvanek@gmail.com

Slovak Republic:

Doc. Ing. arch. Ľubica Selcová, PhD.

Ústav architektúry obytných a občianskych budov, Fakulta architektúry STU

nám. Slobody 19, 812 45 Bratislava

Phone: +421 2 572 764 25

E-mail: selcova@stuba.sk

**Competition websites:**

[www.ytong.cz](http://www.ytong.cz), [www.ytong.sk](http://www.ytong.sk)

**Professional Guarantor:**

Pavel Jiroudek, Ústí nad Labem

**Competition Objective**

is to support independent creative work of university students by competitive confrontation of architectural ideas and views. An opportunity to take a think which direction the strategy of housing could take in relatively distant future in precipitantly and essentially changing current world scheme and human life.

**Competition Participants:**

Students (individuals or students' working teams) of Architecture and/or Structural Engineering at technical colleges, art schools and universities who have not been granted diploma of the 2<sup>nd</sup> level of university studies in any of these fields of study.

The precondition for evaluation of a competition design is maintenance of secrecy of the author, even in case that he/she would have taken part in any other architectural competition with the same competition design ahead of this competition schedule.

**Registration:**

Timely registration: from the last week of October to the first week of December 2020

Later registration: from the first week of January 2021 to the last but one day prior to the submission deadline

Last registration date: the last but one day prior to the submission deadline

**Prizes and Sponsor Gifts:**

1 <sup>st</sup> price	4 000 €
2 <sup>nd</sup> price	2 000 €
3 <sup>rd</sup> price	1 000 €

The jury has the right not to award any of the prizes and/or to divide and allocate the sum in a different way. Information on the venue and date of the award ceremony will be sent to the competition participants at least 14 days in advance. All prize-winners are obliged to take part in the award ceremony to give a brief presentation of their projects.

**Competition Jury:**

Architect (ČR)  
Architect (ČR)  
Architect (ČR)  
Architect (ČR)  
Architect (ČR)  
Architect (SR)  
Architect (SR)  
Architect (SR)  
Architect (SR)

The jury membership is arranged for by the Organizer whose representative will introduce the jury to the competition participants prior to the announcement of their decision. The chairman of the jury will be elected by the jurymen before the beginning of the judging panel's session. All decisions of the jury are free and incontestable and there is no legal appeal admissible. Prior to the evaluation of the competition projects that jury members shall become acquainted with the competition terms of reference and the evaluation criteria.

**Submission Identification:**

The projects and each and every part thereof shall bear six-digit identification code (1 cm high and 4 cm long) placed in the right upper corner. For the sake of anonymity the projects shall be submitted in a neutral manner in rolls of A1 format (presentation sheet) and A2 format (supplementary sheet) respectively, and in electronic form on a CD. The rolls and CDs shall also bear respective digital identification code. Inadmissible are the following identification codes: a sequence of digits 1 2 3 4 5 6 etc. and vice versa or a sequence of the same digits (1 1 1 1 1 1) or (4 0 4 0 4 0). Participant's full name, date of birth and exact address (including e-mail address and telephone number, if possible) and his/her signature shall be submitted in a sealed envelope bearing only the identification code (the digital code shall also be written next to their name inside the envelope). The university/college, field of study and the lecturer's name provided the project originated under his/her guidance shall be mentioned, too.

The drawings shall be numbered "1" and "2" so that the **presentation sheet shall bear number "1"** and the **supplementary sheet number "2"**.

**Competition Background Information**

Competition background information (general outline of the issue, the competition task and expected competition achievements) will be given to the universities /colleges at their disposal and through respective lecturers supplied to the competition participants. The competition source documents will also be available on the Organizer's websites: **www.ytong.cz** and **www.ytong.sk**

**Additional Information and Questions:**

Registered competition participants may ask the Organizer and the profession guarantor questions concerning the competition terms of reference through the FAQ throughout the course of the competition from the beginning thereof to 12 February 2021.

**Form of Deliverables:**

**Competition drawings** (colour and/or black and white) shall be submitted rolled not folded in rolls; use of backing paper is not allowed. Maximum 2 below specified drawings are admissible:

- Sheet No. 1 – presentation drawing of **A1 upright format**
- Sheet No. 2 – supplementary drawing of **A2 landscape format**

The drawings shall also be submitted in the digital form on a CD in pdf format in A1 or A2 size respectively. Legends, explanatory notes and accompanying text, if any, shall be only in the English language; this, however, **does not apply to local and other names given in the official competition terms of reference.**

**The form of deliverables is binding.**

**Copyright:**

The copyright belongs to the author of the project. The Organizer by its involvement in the competition acquires the right to publish the projects (the architectural design) and mention the author's name for which the Organizer does not need the author's consent. The ownership of prize-winning competition projects passes to the Organizer. To enable the Organizer to make copies and publish the competition outcomes, each participant shall temporarily make available first copies of the drawings and/or the electronic version thereof

**Submission Deadline:**

Czech Republic

Project submission deadline: **by 22. 02. 2021, 16.00 hours**

to the competition secretary Ing. arch. Aleš Vaněk,  
katedra architektury FSV ČVUT Praha, Thákurova 7, Praha 6,  
místnost D – 1102 - ateliér D.,

Slovak Republic

to Mgr. Silvia Frimmelová,  
Xella Slovensko spol. s r.o., obchodnoporadenská kancelária,  
Bajkalská 25, 827 18 Bratislava.

By submission the competition graphic outcomes pass to the Organizer's permanent ownership and they are non-recoverable. By submission of the competition project identified by the digital code and the sealed envelope containing personal data as per the above-mentioned terms the participant expresses his/her unqualified consent to given regulations and terms of this competition and waives his/her right to any legal action.

**Project Evaluation Criteria:****Evaluation of the Architectural Designs**

Under the competition terms of reference individual anonymous architectural designs prepared by the competition participants will be evaluated by an independent jury based on generally valid standards and criteria of the applied architectural solution to the given task. Verdicts of the jury are outcomes of close majority deliberation of the jurymen; all decisions of the jury are free and incontestable and there is no legal appeal admissible. The verdict of

the jury concerning winning projects, including ranking and prize award with a brief reasoning, is, nevertheless, made public together with the participant's identification data. The competition open evaluation session will be held within 90 days after the competition deadline, at the latest. To ensure the right of participation, the Organizer is obliged to publish the date, time and venue of the announcement of the jury's verdict through respective faculties at least 7 days in advance. The Organizer has the right to give publicity to the award ceremony and the results of the competition based on its deliberation. The Organizer shall issue a written certificate of participation in the competition and ranking to each prize-winner within 30 days after announcement of the competition results.

**Individual projects will be evaluated according to the following criteria:**

- idea, vision, imagination, invention
- elaboration and reasoning of individually chosen form of housing idea
- urban-planning solution in context of the locality and genius loci
- architectural solution to the designed building in context of chosen locality
- general layout, functional and construction design of the building
- comprehensibility and force of graphic interpretation of the design

**The jury will not evaluate any "zero option", if submitted.**

# INTERNATIONAL STUDENT COMPETITION FOR ACADEMIC YEAR 2020 - 2021

COMPETITION THEME: **XELLA 50**

**ARCHITECTURAL AND SOCIOLOGICAL SCIENCE FICTION**

**HOUSING for the 2<sup>nd</sup> HALF of the 21<sup>ST</sup> CENTURY**

Unconventional terms of reference for unconventional time

**Motto:** *The year is 2045. Participants of the 26<sup>th</sup> student architectural competition are successful architects at the top of their vigour and professional enthusiasm who consider final solution to their housing. At that very moment they may recall their architectural designs of the "housing of the future" of 2020. Will their science fiction correspond with the reality of 2045?*  
(Pavel Jiroudek)

## A. COMPETITION TERMS OF REFERENCE

### IDEA

**Architectural and sociological** study of housing for the 2<sup>nd</sup> half of the 21<sup>st</sup> century.

It may be any form of housing (individual, housing in residential houses, community housing, co-housing, living on a water body, underwater, underground, above ground, etc.) of which the competition participants **are convinced** that it could actually be topical after 2045.

Part of the solution shall be total free location of the design into the chosen specific **conventionalized** environment in the north-eastern part of the Moravian-Silesian Region delimited in the attached aerial map.

This varied territory provides enough suggestions for the design location. On the one hand there are large towns of Ostrava, Frýdek-Místek or Havířov with already consolidated development as well as still unused former industrial and coal-mining related brownfields. On the other hand, there is valuable picturesque countryside of Moravskoslezské Beskydy Mountains or lowlands of Moravská brána, and large water bodies of Těrlicko and Žermanice.

Conventionalization of the background for the location of the design shall be done based on readily available Internet map browsers (mapy.cz panorama, google maps, aerial maps, etc.). Personal visit to the specific location is neither necessary nor advisable under current conditions.

### IDEA SPECIFICATION

When choosing a specific location **it is not necessary** to adhere to currently valid land-use planning documentation or current development schemes because nobody knows what situation may be after 25 years.

## **REASONING**

Progress in civil engineering, architecture and construction design has undergone significant changes. New constructions have become more interesting from architecture point of view and technically more sophisticated, and at the same time they have to meet ever-increasing requirements for reduction of total energy consumption. What is more, even buildings active from energy consumption point of view are being designed. These constructions require use of special construction materials and technological equipment. It is a question though, whether constructions designed like that can still be cosy and comfortable and whether they are able to create real feeling of home.

It would be advisable to take a think whether the future of architecture and civil engineering will go on in compliance with current trends, or whether it will return to simpler forms of housing that will be nature-friendly and conforming to climatic conditions of that time. This idea is for sure a great challenge not only for the students but also for professional architects.

## **CONTENTS**

The idea is to draw up a city-planning and architectural study of housing in any form thereof: individual, housing in residential houses, community housing, co-housing, living on a water body, underwater, underground, above ground, etc., located in the chosen specific conventionalized environment.

## **MEANS**

Application of such architectural elements, structural systems and technological procedures of which the competition participants are convinced could actually be topical after 25 years.

## **GOAL**

Design of such a construction that will intensify emotions and experience and at the same time provoke profound discussions of not only jurymen but also general public

## **B. SITE LOCATION**

Specific **conventionalized** environment of the north-eastern part of the Moravian-Silesian Region delimited in the attached aerial map

This varied territory provides enough suggestions for the design location. On the one hand there are large towns of Ostrava, Frýdek-Místek or Havířov with already consolidated development as well as still unused former industrial and coal-mining related brownfields. On the other hand, there is valuable picturesque countryside of Moravskoslezské Beskydy Mountains or lowlands of Moravská brána, and large water bodies of Těrlicko and Žermanice.

Conventionalization of the background for the location of the design shall be done based on readily available Internet map browsers (mapy.cz panorama, google maps, aerial maps, etc.). Personal visit to the specific location is neither necessary nor advisable under current conditions.

## C. REGULATORY TERMS

Regulatory terms are **not set**. Presumptions are: high invention, vision and imagination of the competition participants at location of their design into the environment chosen by them.

Currently valid land-use planning documentation or current development schemes in the chosen locality **need not be adhered to**.

## D. CONSTRUCTION PROGRAM

### Housing construction in individually chosen form

The only condition is any form of **high quality and sound living** in the designed building. Currently valid regulations need not be adhered to since their validity after 25 years is questionable and uncertain. Again, stress is put on invention and imagination of the competition participants at designing and locating the building into individually chosen environment.

## E. CONSTRUCTION AND MATERIAL SOLUTION

- is not restricted in any way; responsible choice of materials, structures and construction systems adequate to the location, chosen concept and purpose of the building which does not exclude application of Xella – Ytong, Silka, Fermacell and Multipor construction material assortment as might be topical after 25 years
- type and material of bearing and filling structures of the architectural design are not specified
- separate drawings of the construction system details are not required
- at evaluation of the construction challenging and innovative tendencies in the building design will be taken into consideration

## F. FORM OF DELIVERABLES

The project documentation shall be prepared in form of an urban-planning and architectural study on 2 sheets: - **sheet No. 1 – “presentation drawing” of A1 upright format**

- **sheet No. 2 – “Supplementary sheet” of A2 landscape format**

**Presentation drawing (sheet No. 1)** will be used for subsequent public presentations of prize-awarded projects at exhibitions, meetings, shows and fairs and/or for publishing in professional journals and bulletins. Therefore, this drawing shall show namely characteristic project visualisations, sketches, drawings in photographs or photographs of the building’s model with clear relation to the individually chosen conventionalized site location, and a basic layout of the building.

Other important and typical images, such as visualisation of the interior, views, typical ground plans and /or explanatory notes **in the English language** are optional

**Supplementary drawing (sheet No. 2)** will serve only for the competition purposes as such. This sheet shall bear other complementary drawings – further ground plans of selected



typical floors, views, cross-sections, if any, and accompanying text and legends **in the English language**.

**Specification of the form of the competition design:**

Submission of a model or part thereof is not obligatory, but it is not excluded from the evaluation by the jury. In case that a model is submitted, its ground-plan dimensions are limited to A2 format; the model has to be protected against damage during transport. For organisational reasons **photographs of the model** presented on sheet No.1 **are preferred**.

Accompanying text, explanatory notes and legends, if any, shall be part of respective drawings and written **solely in the English language**. This does not apply to local and other names (e.g. names of streets, squares, buildings, etc.) mentioned in accessible public maps.

The competition sheets and photographs of the model, if any, shall be loaded in data format on CD/DVD bearing the digital identification code of the competition participant.

The competition projects shall bear uniform English title of the competition theme **“XELLA 50”**.

**The scope of required documentation is binding.** Graphic form of the documentation (digital/ manual colour/black and white) is not specified. Ground plans, views and cross sections shall bear basic dimensions or scale of reproduction to make main dimensions of the building evident.

**Additional information:**

Further specification and completion may be provided by the Organizer and/or the author of the terms of reference based on specific requests of the competition participants that may be sent electronically to email addresses of the competition secretariats.

**H. ANNEXES TO THE TERMS OF REFERENCE**

will be available on the competition websites

- aerial photograph with delimited territory for the competition design location