



Dr. habil. Viktória SUGÁR

PhD in Engineering
Architect MSc

AFFILIATION

Obuda University
Ybl Miklós Faculty of
Architecture and Civil
Engineering

POSITION

Vice-rector for sustainability
and priority developments,
associate professor

LANGUAGE

English C2 – Proficient user
German B1 – Basic user
Japanese A1 – Basic user

MAIL

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LINKEDIN

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MTMT

m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10024558

PROFESSIONAL EXPERIENCE

2011 – Obuda University Ybl Miklós Faculty of Architecture and Civil Engineering, Institute of Architecture (formerly Szent István University)

2024 – Vice-Rector

2023 – 2024 – Head of Strategy Group at Ybl Consulting Office

2021 – 2024 – Director of the Institute

2021 – associate professor

2020 – 21 – Deputy Head of Department

Previous position: engineering teacher, assistant lecturer

2015 – 2023 Eötvös Loránd Research Network (formerly Hungarian Academy of Sciences), Centre for Energy Research

Research fellow

2014, 2018 – Osaka University, Division of Global Architecture, Osaka, Japan.

Visiting assistant researcher, assistant professor

STUDIES

2020 PHD

Osaka University Graduate School of Engineering

Disszertáció: Rehabilitation of Heritage Buildings: Energetic Retrofit in the Historical District of the Budapest Old Jewish Quarter

2013 MSc

Szent István University Ybl Miklós Faculty of Architecture and Civil Engineering

Designer architect

2011 BSc

Szent István University Ybl Miklós Faculty of Architecture and Civil Engineering

Architectural Engineer

FURTHER TRAININGS:

Budapest, Academic presentation training, 2023

Iceland, Erasmus + continuing education: Intercultural Iceland, Diverse Classroom, 2017

Ireland, Erasmus+ training: Atlantic Language, Academic Presentation Skills, 2019

At the invitation and with the support of Osaka University, Japan: participation in an urban morphology research project, 2014, 2018

Japan, J-PARC (Japan Proton Accelerator Research Complex), 2018

Sweden, European Spallation Source, 2018

Spain, NKA grant, conference participation and study visit, 2019

Belgium, ESS Brightness 2018

ACADEMIC EDUCATOR

Since 2011 in various courses in English and Hungarian. Lecture, practice management, development of subject programs, curricula (on architectural history, environmentally conscious architecture). Erasmus and Stipendium Hungaricum programmes also in English. TDK supervisor (more than 10 theses, faculty and national awards) ÚNKP supervisor 2 people, EKÖP 2 persons)

2024 - founding member, educator and supervisor of the Doctoral School of Architecture, Design and Technology

SCIENTIFIC ACTIVITY

PUBLICATION

80+ papers, Q-number 12,7, I-number 119, IF 25.9, H-index 5, Cited by 152

HABILITATION – 2025

Typology-based studies of residential buildings in Budapest

RESEARCH PROGRAMMES

GREENQUAL - EIG Japan for healthy cities of the future with Polish and Japanese partners, 2024-2027, consortium leader

EU NetZeroCities - Budapest Cares: 100 climate-neutral cities projects in Budapest, 2023-2025, expert in architecture

Leading research and development projects within the ELKH Centre for Energy Research

ELI Attosecond Light Pulse Source (ELI-ALPS): MTA and HTA hall radiation protection control

ÉMI Construction Quality Control Innovation Non-profit Ltd.: elaboration of a complex research program for the design of the concrete composition of concrete and reinforced concrete structures relevant for nuclear safety applied during the Paks II project – investigation of radiation resistance and tendency to activate

MMA - Architecture and Vision of Tenement Buildings (Research Fellowship, 2018-2021)

Development of the Hungarian electricity distribution network – database building and visualization 2019-2021

NTP - Solar Energy Potential of Densely Built Urban Fabric, 2019-2020
ÚNKP - Concentrated and efficient energy use in densely populated downtown fabric - near-zero energy opportunities for turn-of-the-century building stock, 2017-2018
Fiumei Road graveyard survey and inventory, YMEK with Architectural History Group, 2018
Development of vulnerability assessment methodology for the Hungarian residential building stock against the effects of weather changes, Lechner Knowledge Center, 2018
World Heritage Impact Assessment: The impact of the Hauszmann Plan on World Heritage, YMEK, 2016
Technological limits of self-compacting concrete, TDK, 2008-2009

CONFERENCE AND WORKSHOP ORGANIZATION

Osaka University-YMEK Cooperative Survey 2009, 2011, 2014, 2015.
Conference for the 150th anniversary of the birth of Ernő Főerk – organizer
I. Ybl Net Day – organizer, 2021. Researchers' Night 2021 - organizer
1st Ybl Conference on the Built Environment 2023 – main organizer
World Heritage Volunteers Program 2023 – with Ministry of Construction and Transport, 2023.
2nd and 3rd Ybl Conference on the Built Environment 2024 and 2025 – main organizer

CONFERENCE AND WORKSHOP PARTICIPATION

Foreign and English: 20+, National: 15+

AWARDS, SCHOLARSHIPS

2026 TUKE-OU Young Researcher Grant
2025 MMA Scholarship Results Promotion Program, book publication
2024 NKA Creative Support
2023 New National Excellence Program Postdoctoral Fellowship
2021 Teacher of the Year Award, OE
2021 EC Youth Prize
2019 Young Talent of the Nation Scholarship
2019 National Cultural Fund Scholarship
2018-2021 Fellow of the Hungarian Academy of Arts
2019 Best Paper Award, ICAE 2019 Conference
2018 Best Paper Award, ICACC 2018 Conference
2017-18 New National Excellence Scholarship
2017 Best Presentation Award ICBAU 2017 Conference
2016 Outstanding Paper Award - ICENS - 2016 Conference
2012 Republic Scholarship
2011 Szent István Scholarship
2011 National OTDK Conference, 1st place
2010 Scholarship of the Republic
2009 Scholarship of the Republic
2009 Faculty TDK Conference 3rd place, special prize winner

OTHER ACADEMIC ACTIVITY

COMMITTEE MEMBERSHIPS

Ybl Journal of Built Environment Co-Editor-in-Chief, 2021-
Member of the ÓE YBL Diploma Protection Committee: 2014- continuously
Member of the Admission Committee of ÓE YBL MSc: 2020- continuously
ÓE YBL Faculty Council member: since 2020
Member of the Disciplinary Committee of ÓE YBL: from 2022
Member of the University Council of ÓE: from 2024
Member of the Doctoral and Habilitation Council of the University: from 2024
OE Sustainability Council President: from 2024
ÓE Doctoral School of Architecture, Design and Technology, DIT member: from 2024

PARTICIPATION IN THE WORK OF OTHER INSTITUTIONS

European Spallation Source, In-Kind Review Committee member, Hungarian delegate: 2022-2025
Implementation Working Group on Energy Efficiency in Buildings (IWG5), Hungarian delegate: 2023-
Standing Committee on Construction Sciences of the Hungarian Academy of Sciences: permanent invitee from 2024
PTE BMDI Invited speaker: 2021-
BME VIK Project assignment subject, Thesis external consultant: 2021
Osaka University Visiting Researcher: 2014, 2018
UP BDMI Complex Exam Committee Member: 2023
Member of BME PÁDI Doctoral Protection Committee: 2022

PARTICIPATION IN COLLABORATIVE PROJECTS

Eötvös Loránd Research Network with Centre for Energy Research: student plans for the site, consultation, organization, 2017, 2022
Budapest the Archives of the Capital: Creating 3D models for a time machine project, professional consultation, 2019-
With the Hungarian Museum of Architecture and Budapest Archives of the capital: exhibition on the buildings of Győző Cziger – consultation of student models, organization, 2021
With the Municipality of Józsefváros: Student surveys for designated historic houses, 2022

SUCCESSFUL APPLICATIONS

MMA competition: Ybl Workshop Booklet project – publication and online exhibition, 2021

NKA tender: Ybl library sample books processing – 2021

NKA tender: Organization of a conference at the Ybl faculty – 2022, 2023

RRF tender: Energy renovation of YA building – 2023-2024

PATRONAGE: organization of an international conference, 2024

SCIENTIFIC REVIEWER

Ybl Journal of Built Environment 2017-

Journal of Building Engineering (Elsevier, Impact factor journal): 2020-

Pollack Periodica 2022-

Periodica Polytechnika 2025-

EDITOR OF PUBLICATIONS

3rd Ybl Conference on the Built Environment: Book of Abstracts. Budapest, Hungary. Óbuda University Ybl Miklós Faculty of Architecture and Civil Engineering (2025), 143 p. ISBN: 9789634493938

2nd Ybl Conference on the Built Environment: Book of Abstracts. Budapest, Hungary. Óbuda University Ybl Miklós Faculty of Architecture and Civil Engineering (2024), 132 p. ISBN: 9789634493600

1st Ybl Conference on the Built Environment – Book of Abstracts. Budapest, Hungary. Óbuda University (2023), 164 p. ISBN: 9789634493303

Ybl Workshop - Studio. Budapest, Hungary: Óbuda University (2022) ISBN: 9789634492788

KFKI 2030 - Plans of the ÓE Ybl Miklós Faculty of Construction Sciences. Budapest, Hungary. Óbuda University Ybl Miklós Faculty of Architecture (2021) ISBN: 9789634492863

EDITOR/DESIGNER OF WEBSITES

Official website of Sustainability of Óbuda University: <https://green.uni-obuda.hu>

Official website of Ybl Conference on the Built Environment: design, content and structure <https://yblesz.uni-obuda.hu>

Sample books of the Ybl Faculty: A selection from the special collection of our school's library online exhibition 2021 – website structure and content design

<https://www.ymmf.hu/mintakonyvek/>

Ybl Miklós Faculty of Architecture website: design, content and structure <https://ybl.uni-obuda.hu>

PLANNING AND ORGANIZATION OF EXHIBITIONS

Pest tenements: development, schemes, types: Exhibition of historical tenements of Pest:

Evolution, patterns, style. Ybl Miklós Faculty of Construction, Budapest, Hungary 17.5.2024
KFKI 2030 – Plans of the ÓE Ybl Miklós Faculty of Construction Sciences. Headquarters of the Hungarian Academy of Sciences, Great Hall, Budapest, Hungary 24.02.2022

<https://www.ek-cer.hu/2022/03/03/yblos-tervek-a-kfki-ro-l-az-mta-szekhazaban/>

Sample books of the Ybl Faculty: A selection from the special collection of our school's library online exhibition 2021

<https://ybl.uni-obuda.hu/wp-content/themes/yblszm/mintakonyvek/index.html>

YBLayers (Group exhibition) - FUGA Budapest Architecture Center, Budapest, Hungary 2020.2.5 - 2020.2.7

<https://epiteszforum.hu/yblayers--helyzetjelent-es-az-ybl-ro-l>

Istanbul 100, Károly Kós exhibition, Istanbul, Turkey, 2017

<https://www.behance.net/gallery/48643663/ISTANBUL-100>

YBL 200 Memorial Year, exhibition of the buildings of Miklós Ybl, National Museum 28.10. - 30.11. 2014.

<http://epiteszforum.hu/ybl-miklos-epuleteit-bemutato-makettkiallitas>

<https://www.behance.net/gallery/21146599/Ybl-pueleteit-bemutato-makettkiallitas>

YBL 200 Memorial Year, Sacred buildings of Ybl St. Stephen's Basilica 23.07. - 01.10. 2014.

<https://www.behance.net/gallery/21151143/Ybl-Miklos-szakralis-pueletei-kiallitas-2014>

SZIE-YMEK MSc Diploma exhibition - FUGA 2013-14.

Osaka University-Ybl Miklós Faculty Cooperative Exhibition 2011., Ybl faculty, Budapest

OTHER ENGINEERING ACTIVITIES

Budapest Solar: estimation of Budapest potential of solar energy, supporting study. 2023

KFKI site development concept – preparatory material, surveys, 2021.

Development of biosecurity of European spallation source (with MTA EC, 2016-2020)

<https://www.ek-cer.hu/2020/04/25/magyar-siker-az-europai-spallacios-forras-ess-elso-berendezesenek-kivitelezese-elkezdodott/>

Author of Újfehértó Municipal Climate Strategy, 2020

Balatonfűzfő, author of the Municipal Climate Strategy, 2020

Tab Author of Municipal Climate Strategy, 2020

Author of Süllyás Municipal Climate Strategy, 2020

Concrete Canoe Project (YMEK Building Materials Group, 2011) I. Hungarian Concrete Canoe Cup 2012.- designer of Ybl canoe

Evaluation of innovation tenders in the construction industry: Support programme for technological modernization and increasing efficiency of the construction sector BUILDER-2-3-4-5 2018-2019, 2021 evaluation of approx. 500 applications