

**Faculty of Architecture and Design,
Slovak University of Technology in Bratislava,
Bratislava, Slovakia**

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**Faculty of Architecture,
Cracow University of Technology,
Kraków, Poland**

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**Faculty of Architecture,
Gdańsk University of Technology,
Gdańsk, Poland**

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**Faculty of Architecture,
Wroclaw University of Science and Technology,
Wroclaw, Poland**

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**The World Institute for Engineering and Technology
Education (WIETE),
Melbourne, Australia**

jointly organise

2024 Conference on Engineering and Architecture Design Education (EAD ϵ -2024)

- Faculty of Architecture and Design, Slovak University of Technology in Bratislava,
Námestie slobody 19, 812 45 Bratislava,
10 - 12 June 2024



**GDAŃSK UNIVERSITY
OF TECHNOLOGY**
FACULTY OF ARCHITECTURE



Politechnika Wroclawska
Wydział Architektury



10th of June 2024 (Mon)

9:00-10:00

Registration, Coffee

10:00-11:30

Opening Ceremony:

- **Introduction:** General Chairman: Professor Zenon J. Pudlowski, WIETE Director, Melbourne, Australia
- **Opening Welcome:** Conference Patron: Professor Oliver Moravčík, Rector, Slovak University of Technology in Bratislava, Bratislava, Slovakia
- **Welcome Address:** Honorary Co-Chairwoman: Professor Ľubica Vitková, Vice-Rector for Foreign Relations and Public Relations of Slovak University of Technology in Bratislava, Bratislava, Slovakia
- **Welcome Address:** Honorary Chairwoman: Professor Barbara Gronostajska, Dean FA Wrocław, University of Science and Technology, Wrocław, Poland
- **Welcome Address:** Honorary Chairwoman: Professor Lucyna Nyka, Dean, FA Gdańsk University of Technology, Gdańsk, Poland
- **Welcome Address:** Honorary Chairwoman: Professor Maria Jolanta Żychowska, President, WIETE International Academic Advisory Committee (WIETE-IAAC), FA Cracow University of Technology Kraków, Poland
- **Welcome Address:** Honorary Chairman: Branislav Puškár, Dean, FAD, Slovak University of Technology in Bratislava, Bratislava, Slovakia

11:30-12:00

Coffee Break

12:00-14:00

Opening Lectures I

Chair of the Section: Professor Robert Špaček, FAD STU Bratislava, Slovakia

- 12:00-12:20
Ľubica Vitková, Zuzana Suchánková: **International cooperation, research and practice in teaching architects**
- 12:20-12:40
Branislav Puškár, Edita Vráblová, Michal Czafík: **Impact of the architecture study popularisation on the number of applicants**

- 12:40-13:00
Karol Görner, Lucia Štefancová: **Student's motivation due to cooperation with the city administration**
- 13:00-13:20
Henrich Pifko, Klára Macháčová, Lorant Krajcsovics, Michal Križo, Alexander Schleicher: **Architecture for recovery**
- 13:20-13:40
Lea Rollová, Danica Končeková, Zuzana Tóthová:
Evaluation of the continuing education programme on socially responsible architecture
- 13:40-14:00 - **Discussion**

14:00-15:00

Lunch

15:00-16:20

Opening Lectures II

Chair of the Section: Honorary Chairwoman Professor Barbara Gronostajska, University of Science and Technology, Wroclaw, Poland

Co-Chair of the section: Professor Violeta Nushi, University of Pristina, Kosovo

- 15:00-15:20
Moon-Soo Kim:
On sentiment analysis for capstone design curriculum
- 15:20-15:40
Magdalena Wąsowicz, Anna Berbesz, Anna Miśniakiewicz: **Research on mental models in the process of architectural education: UX theory and architectural design**
- 15:40-16:00
Douglas Tong Kum Tien: **The IMPART model: Imparting transformation through industry-linked multidisciplinary projects**
- 16:00-16:20 - **Discussion**

17:00-19:00

Expert Tour:

Two Faces of the City - visit to the historic centre and the newly renovated Slovak National Gallery

11th of June 2024 (Tue)

9:30-10:00

Registration, Coffee

10:00-11:40

Session I

Innovative and Alternative Methods and Programmes of Education (part I - Urban Planning)

*Chair of the Section: Honorary Co-Chairwoman Professor Lubica Vitková STU
Bratislava, Slovakia*

*Co-Chair of the Section: Professor Jakub Szczepański, Gdańsk University of
Technology, Poland*

- 10:00-10:20
Vladimír Hain, Martin Uhrík, Roman Hajtmanek, Dušan Kočlík,
Alexander Kupko: **Multidimensional model - educational
and creative tool for designing sustainable reconstructions
of urban structures**
- 10:20-10:40
Lucyna Nyka: **Empowering urban planning with nature based
solutions - linking research and education to facilitate
transition from sustainable to regenerative cities**
- 10:40-11:00
Semenyuk Olga, Zhandarbek Malibekuly, Ulkairbek Dyisebayev, Khalil
Maslov, Gulnaz Doktorbekovna Andabayeva: **Features of the urban
planning concept of steppe culture in the educational process**
- 11:00-11:20
Barbora Šimkovičová, Daniela Hrabovská, Andrea Šeligová,
Katarína Smatanová: **Involving method of lived experience
in urban design education**
- 11:20-11:40 - **Discussion**

11:40-12:10

Coffee Break

12:10-13:40

Session II

Innovative and Alternative Methods and Programmes of Education (part II - Design)

*Chair of the Section: Prof. Moon-Soo Kim, Hankuk University of Foreign Studies,
South Korea*

*Co-Chair of the Section: Assoc. Prof. Michala Lipková, FAD STU Bratislava,
Slovakia*

- 12:10-12:30
Branislav Jelenčík: **Design thinking. How to understand it?**
- 12:30-12:50
Peter Mazalán, Paulína Ebringerová, Michal Hronský: **Art project in architectural education as a tool for social-critical reflection**
- 12:50-13:10
Maria J. Żychowska, Anna Barańska: **Evolution in teaching methods of illustration processes in design**
- 13:10-13:30
Martin Baláž, Zuzana Turlíková: **Creative thinking in design education: action-centric and design thinking approach**
- 13:30-13:40 - **Discussion**

13:40-14:40

Lunch

14:40-16:00

Session III

Problem- and Project-based Education (part I - Protection of Cultural Heritage)

Chair of the Section: Professor Olga Semenyuk, L.N. Gumilyov Eurasian National University, Astana, Kazakhstan

Co-Chair of the Section: Assoc. Prof. Henrich Pifko, FAD STU Bratislava, Slovakia

- 14:40-15:00 - Jakub Szczepański : **A new international hub for digital architectural heritage based in Gdańsk, Pavia and Florence as a tool for didactic and scientific development**
- 15:00-15:20 - Pavol Pilař, Jana Gregorová, Filip Bránický: **UNESCO Chair at STU - UNESCO Chair for Restoration of Architectural Heritage**
- 15:20-15:40 - Katarína Terao Vošková: **Autumn university of architecture as an opportunity for innovative educational methodology in cultural heritage management**
- 15:40-16:00 - **Discussion**

16:00-17:00

Open Session

- 16:00-17:00

Dorota I. Pudlowski and Zenon J. Pudlowski, WIETE, Melbourne, Australia: **WIETE interactive presentation: WIETE journals and the ever changing publishing landscape**

20:00-22:00

Conference Banquet

12th of June 2024 (Wed)

9:30-10:00

Registration, Coffee

10:00-12:00

Session IV

Innovative and Alternative Methods and Programmes of Education (part III - Engineering Education of Architects)

Chair of the Section: Dr. Douglas Tong Kum Tien, Taylor's University, Malaysia

*Co-Chair of the Section: Assoc. Prof. Vladimír Hain, FAD STU Bratislava,
Slovakia*

- 10:00-10:20
Peter Roško: **Empowering architectural minds with innovative statics education**
- 10:20-10:40
Magdalena Celadyn, Anna Michalek:
Studio-oriented learning method to realise the course in structure for the interior architecture students
- 10:40-11:00
Eva Vojteková, Matúš Turis, Oľga Ivánková: **Structures as an intersection between study programmes: architecture and civil engineering**
- 11:00-11:20
Mária Budiaková: **Scientific analysis of the implementation of research technologies, solving energy and ecological crisis, in student works**
- 11:20-11:40
Violeta Nushi, Freskim Sulejmani, Arta Basha Jakupi, Vlora Navakazi:
Analysis of energy performance in buildings through methodology from BIM to BEM. Case study: Fadil Hisari, Prizren, Kosovo
- 11:40-12:00 - **Discussion**

12:00-12:20

Coffee Break

12:20-14:00

Open Session V

Problem- and Project-based Education

(part II - Reflections on Contemporary Problems of Society)

*Chair of the Section: Assoc. Prof. Stanislav Avsec, University of Ljubljana,
Ljubljana, Slovenia*

*Co-Chair of the Section: Assoc. Prof. Katarína Smatanová, FAD STU Bratislava,
Slovakia*

- 12:20-12:40
Pavol Paulíny, Beata Polomová, Martina Jelínková:
Destruction of architectural heritage during the war - shock therapy or a new challenge in the education of future architects
- 12:40-13:00
Zuzana Čerešňová, Natália Bošková Filová, Lenka Suláková:
Student and community engagement to increase implementation of inclusive environment

- 13:00-13:20
Gabriela Rolenčíková, Ivana Švecová: **Research by design: transformation of former barracks campus**
- 13:20-13:40
Tri Lathif Mardi Suryanto, Aji Prasetya Wibawa, Hariyono Hariyono, Rafał Dreżewski, Andrew Nafalski: **Embracing chatbot as a self-learning catalytic for engineering education**
- 13:40-14:00 - **Discussion**

14:00-15:00

Lunch

15:00-16:20

Open Session VI

Specific Problems in Education and Training Process of Students

Chair of the Section: Honorary Chairwoman Professor Maria Jolanta Żychowska, Cracow University of Technology, Poland

Co-Chair of the Section: Assoc. Prof. Zuzana Čerešňová, FAD STU Bratislava, Slovakia

- 15:00-15:20
Stanislav Avsec, Brina Kurent: **Interdisciplinary systems thinking and ICT self-concept in higher education**
- 15:20-15:40
Semenyuk Olga, Tattigul Samuratova, Zhazira Bisenova: **New technologies and achievements in the educational process of training designers of the architectural environment**
- 15:40-16:00
Tashfeen Ahmad: **Preparing students for the labour market in the age of digitalization, automation and AI: lessons from international universities**
- 16:00-16:20
Discussion

16:20-17:00

Closing ceremony

- **Concluding remarks**
Honorary Chairwoman: Professor Ľubica Vitková, Vice-Rector for Foreign Relations and Public Relations of STU Slovak University of Technology in Bratislava, Bratislava, Slovakia
Honorary Chairwoman: Professor Lucyna Nyka, Dean, FA Gdańsk University of Technology, Gdańsk, Poland
Honorary Chairman: Branislav Puškár, Dean, FAD Slovak University of Technology in Bratislava, Bratislava, Slovakia
Honorary Chairwoman: Professor Maria Jolanta Żychowska, President, WIETE International Academic Advisory Committee (WIETE-IAAC), FA Cracow University of Technology Kraków, Poland
- **Closing Remarks**
General Chairman: Professor Zenon J. Pudłowski, WIETE Director, Melbourne, Australia

17:00-19:00

Expert Tour:

Two Faces of the City - visit of Bratislava's newly emerging downtown

Conference Programme

9th of June 2024
(Sun)

10th of June 2024
(Mon)

11th of June 2024
(Tue)

12th of June 2024
(Wed)

16:00-18:00

Meeting
of the WIETE
International
Academic
Advisory
Committee
(WIETE-IAAC)

9:00-10:00

Registration, Coffee

10:00-11:30

**Opening
Ceremony**

11:30-12:00

Coffee Break

12:00-14:00

**Opening
Lectures I**

14:00-15:00

Lunch

15:00-16:20

**Opening Lectures
II**

17:00-19:00

Expert Tour:
Two Faces of the
City - visit to the
historic centre
and the newly
renovated Slovak
National Gallery

9:30-10:00

Registration, Coffee

10:00-11:40

Session I
Innovative and
Alternative Methods
of Education

11:40-12:10

Coffee Break

12:10-13:40

Session II
Innovative and
Alternative Methods
of Education

13:40-14:40

Lunch

14:40-16:00

Session III
Problem- and
Project-based
Education

16:00-17:00

Open Session:
WIETE Interactive
Presentation:
WIETE journals
and the changing
landscape

20:00-22:00

**Conference
Banquet**

*Leberfinger restaurant,
Viedenská cesta 257,
Bratislava*

9:30-10:00

Registration, Coffee

10:00-12:00

Session IV
Innovative and
Alternative Methods
of Education

12:00-12:20

Coffee Break

12:20-14:00

Session V
Problem- and
Project-based
Education

14:00-15:00

Lunch

15:00-16:20

Session VI
Specific Problems
in Education and
Training Process
of Students

16:20 - 17:00

Closing Ceremony

17:00-19:00

Expert Tour:
Two Faces of the
City - visit of
Bratislava's newly
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