

Programme of the Multiconference

DREAM Silesia 22-23 April 2022

Silesian University of Technology,
Faculty of Architecture, ul. Strzody 10, Gliwice



Main organizer: Faculty of Architecture, Silesian University of Technology Gliwice
Co-organizers: Polish Academy of Sciences, Commission of Urban Planning and Architecture
Commission of Urban Planning and Architecture (Katowice Branch) Polish Academy of Sciences



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Friday, 22 April 2022

8:30-9:00 Registration – main hall

9:00-10:30 **LARGE AUDITORIUM 014**

Opening session *(English session)*

K. Fross, Silesian University of Technology

Invited guests

L. Amistadi, University of Bologna: *Mapping Time: Structures for the Imagination*

A. Camiz, Özyeğin University: *Design experimentations in Castelvechio Calvisio, Italy*

10:30-11:00

COFFEE BREAK (Main Hall / Room 07)

11:00-12:45

LARGE AUDITORIUM 014



Nature – Architecture – Culture
Digital Heritage
(English session)

Chairman: A. Pelliccio, University of Cassino and Southern Lazio

K. Herner, Coal Mining Museum in Zabrze: *Using 3D scanning in the protection of industrial heritage*

G. Güler Nakip, G. Ballice, E. Paykoç Özçelik, İ. Deniz Akçam, Yaşar University: *Digital Technologies in Documenting and Conserving Modern Architectural Heritage*

A. Pirinu, G. Sanna, L. Scalas: University of Cagliari: *Graphical documentation for protection and enhancement of the historical city of Caligari (Italy)*

R. Argiolas, V. Bagnolo, S. Cuccu, A. Manca, University of Cagliari: *Synchronic representation of spaces as a way to understanding their diachronic evolution*

V. Miele, Doctoral School Silesian University of Technology /University of Cassino and Southern Lazio,

M. Saccucci, Department of Literature and Philosophy – DLF, University of Cassino and Southern Lazio: *WebGIS for the enhancement of post-industrial heritage: an Italian case study*

SMALL AUDITORIUM 015



Innovative Ideas in Architecture
(Polish + English session)

Chairman: Z. Bujniewicz, K. Rostański, Silesian University of Technology

A. Tofiluk, Warsaw University of Technology: *Can container objects become architecture? Analysis of selected case*

L.K. Maloschek, J. Wojewódka, T. Wagner, Silesian University of Technology: *The faces of rejected architecture. Post-workshop impressions Venice-Senigalia 2021*

I. Dlábková, M. Peřinková, J. Kovář, VSB Technical University of Ostrava, FAST: *Development of Graves and Burial Rituals in Europe before the Great Roman Empire*

E. Vráblová, Slovak University of Technology in Bratislava: *Development of modular accommodation facilities and its impact on the current halls of residence designing*

B. Puškár, Slovak University of Technology in Bratislava: *Existence of intelligent buildings discomforts*

A. Starzyk, Warsaw University of Life Sciences: *Blue-green architecture in times of climate crisis*

SMALL AUDITORIUM 015

12:45

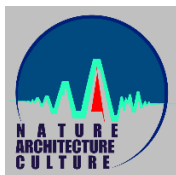
Opening the exhibition accompanying the Conference Innovative Ideas in Architecture: Three Generations Of Artists - The Workshop And Works Of Ferdinand, Stanisław And Zygmunt Majerski

12:55-13:30

LUNCH (Main Hall / Room 07)

LARGE AUDITORIUM 014**SMALL AUDITORIUM 015**

13:30-15:15



Nature – Architecture – Culture
Digital Heritage
(English session)



**Innovative Ideas
In Architecture**
(Polish session)

Chairman: M. Żmudzińska-Nowak, Silesian University of Technology

A. Pelliccio, M. Salvatore, University of Cassino and Southern Lazio: *The digital survey for the architectural analysis of the mausoleums in Lazio region: the tombs of "Ummidia Quadratila" and "Grotta dei Massacci"*

V. Croce, University of Pisa: *H-BIM reconstruction through treatises of classical architecture and annotated digital heritage data*

C. Santagati, G. D'Agostino, R. Garozzo, F. M. La Russa, M. Galizia, University of Catania: *Digital approaches for unveiling the complexity of the Benedictine monastery in Catania*

S. Landi, D. Ulivieri, C. Pardini, M. G. Bevilacqua, M. Martino, M. Del Francia, University of Pisa: *Analysis and definition of restoration strategies with H-BIM applications. The case study of Vittorio Giorgini's "Casa Esagono" in the Gulf of Baratti, Italy*

C. M. Bolognesi, Politecnico di Milano: *Immersive reality for historical landscapes: architecture in a monumental park*

Chairman: B. Majerska-Paľubicka, T. Wagner, Silesian University of Technology

B. Majerska-Paľubicka, Silesian University of Technology: *Introduction to exhibition Three Generations of Artists - the Workshop and Works Of Ferdinand, Stanisław And Zygmunt Majerski*

M. Kątnik-Kowalska, Communal Cultural Centre in Żoľynia: *Treasures from the old wardrobe – on the collection of designs in Żoľynia, in F. Dąbrowski's Studio*

B. Podubny, Deputy of the Podkarpackie Voivodeship Conservator of Monuments in Przemyśl: *From Oświęcim to Kolomyia. Half a Thousand kilometers of Ferdynand and Stanisław Majerski*

R. Nakonieczny, Silesian University of Technology: *Between modernity and tradition - transcultural aspects in the works of Zygmunt Majerski - Julian Duchowicz – selected issues*

G. Nawrot, A. Witeczek, Silesian University of Technology: *Reinterpretation of the space of the former Royal Quarter in Olkusz*

J. Serdyńska, Silesian University of Technology: *Promised land 2.0. "Exodus or the voluntary prisoners of architecture" - hermeneutics of subversion*

B. Brus-Kucharczyk, A. Wyciślok, Silesian University of Technology: *Analysis of statistical data on construction in the context of construction waste processing and the possibility of their reuse in architecture*

15:15-15:45

COFFEE BREAK

15:45–17:30

LARGE AUDITORIUM 014



Region, Town and Country
(Polish + English session)

Chairman: A. Twardoch, Silesian University of Technology

E. Firidin Özgür, Mimar Sinan Fine Arts University: *Changing Perspectives on Public Spaces*

D. Whelan, University of Lincoln: *Changing the narrative: inclusivity, diversity and reflexivity in dreaming for a real world*

D. Gstach, Erfurt University of Applied Sciences: *Green dreams or a question of justice? Negotiations on green space provision in the European city*

Z. J. Kamiński, Silesian University of Technology: *New ways of spatial planning in the Silesian Voivodeship (Poland)*

M. Gyurkovich, K. Racoń-Leja, D. Poklewski-Koziell, Cracow University of Technology: *Simulation-based verification of methods for preventing epidemic escalation in an urban environment*

H. Szewiola, K. Kafka, Silesian University of Technology: *Participation of children in spatial planning processes and procedures*

T. Bradecki, S. Opania, Silesian University of Technology: *Planning and designing green areas in cities – the case study of pocket park in Gliwice*

SMALL AUDITORIUM 015



Interdisciplinary Research in Architecture – Smart Architecture
(Polish session)

Chairman: K. Fross, M. Sitek, A. Szewczenko, Silesian University of Technology

R. Szrajber, Strzemiński Academy of Art Łódź: *Designing the non-existent - from the credibility of virtual space to the materialization of elements in video game worlds*

A. Ostańska, Lublin University of Technology: *Residential satisfaction in multifamily estates of mass housing era*

D. Mały, Silesian University of Technology: *Energy consumption in buildings: the experience of the Great Britain, the London Town Hall - a case study*

D. Winnicka-Jasłowska, S. Tkaczuk, Silesian University of Technology: *Roof garden architecture as a new dimension of public space in London. A case study in qualitative research*

K. Fross, W. Dziadula, Silesian University of Technology/ **L. Orzechowski**, Wrocław University of Science and Technology / **Space is More, A. Mintus**, Space is More: *The PANDA space program in the LunAres habitat - research on needs and behavior during isolation*

K. Fross, W. Dziadula, Silesian University of Technology: *Qualitative research in the LunAres space habitat*

17:30–18:00

COFFEE BREAK (Main Hall / Room 07)

18:00–19:00

SMALL AUDITORIUM 015
3rd Students of Architecture FILM FESTIWAL

Saturday, 23.04.2022

8:30-9:00 **Registration – Main Hall**

9:00-10:30 **LARGE AUDITORIUM 014**

Architecture Technology and Health / Universal Design – debate
(Polish session)

Moderators: K. Ujma-Wąsowicz, I. Benek, Silesian University of Technology

K. Solarek, Warsaw University of Technology, **M. Kądziała**, University of Silesia Katowice

M. Jakubowski, Special School and Educational Centre for Blind Children in Owińska by Poznań

J. Szuster, Pirs Creative Lab, Warsaw

COFFEE BREAK

10:30-11:00

11:00-12:45

LARGE AUDITORIUM 014



Design_Art_Science (Polish session)

Chairman: I. Kozina, Academy of Fine Arts and Design, **N. Bąba-Ciosek, B. Kucharczyk-Brus**, Silesian University of Technology

J. Kwiatkowski, A. Szalwa, University of Warsaw: *Street art and art street design urban concept: in search of a new place for art in the city space*

P. Fiuk, West Pomeranian University of Technology: *The creativity of Venetian architecture and design in the 20th century*

K. Janicka-Świerguła, Lodz University of Technology: *Biophilic design – a remedy for the challenges of the modern world?*

A. Stefańska, M. Cygan, Warsaw University of Technology: *Bionic patterns in the search of building structural forms of efemeric objects*

T. Kozłowski, A. Mielnik, Cracow University of Technology: *Concrete architecture workshops for students as a way to project-based learning*

K. Słuchocka, Poznan University of Technology: *The city - a creative space. Selected cases*

SMALL AUDITORIUM 015



Architecture Technology and Health (Polish session)

Chairman: J. Wrana, Lublin University of Technology, **I. Benek**, Silesian University of Technology, **J. Wrana**, Lublin University of Technology

J. Wrana, M. Ćwik, Lublin University of Technology: *Development of a health resort to accommodate for new trends in housing arrangements for elderly people*

N. Bursiewicz, Pedagogical University of KEN in Cracow: *Public space for health – alternative forms of use and creative directions of development*

A. Gawlak, Poznan University of Technology: *Designing for health. Diagnosing the housing needs of future seniors*

A. Szewczenko, I. Benek, D. Bednarz, J. Brodziński, W. Grzechnik, M. Kądziołka, D. Łuc, N. Noszczyńska, Silesian University of Technology: *Role of social spaces in the facilities with care function for people with dementia syndroms - postpandemic perspective*

A. Labus, O. Tomas, Silesian University of Technology: *Architectural and urban issues of designing the social centers on selected examples*

12:45

Main Hall Opening the exhibition accompanying the Conference Design_Art_Science

12:55-13:30

LUNCH (Main Hall / Room 07)

13:30-15:15

LARGE AUDITORIUM 014



Nature – Architecture – Culture
with Pcovid Syndrome
(Polish session)



SMALL AUDITORIUM 015

Region, Town and Country
(Polish session)

Chairman: B. Podhalański, Cracow University of Technology,

Y. Kryvoruchko, Lviv Polytechnic National University,

J. Rabiej, Silesian University of Technology

B. Podhalański, Cracow University of Technology,

Y. Kryvoruchko, Lviv Polytechnic National University:
Emptiness and completeness of architecture

A. Sulimowska, Silesian University of Technology:
Louvre-Lens – the union of culture, nature and architecture

A. Rynkowska-Sachse, Sopot University of Applied Sciences: *Involvement of the local community in the design process and functional program of community centres in areas at risk of poverty in Africa – an analysis of benefits*

M. Piegza, Silesian University of Technology:
Perspective of development of Habitat for Humanity Poland in years 1991-2023 in the face of post covid reality

P. Opałka, State Higher Vocational School in Nysa:
Rychlebské Trails and their impact on the revival of the Czech- Polish borderland

R. Nakonieczny, Silesian University of Technology: *A king in his own home. The villa of the director of the BATA concern in the Second Republic-its genesis, international connections and its pandemic reality*

Chairman: K. Gasidło, Silesian University of Technology

A. Pięt, State Higher Vocational School in Nysa: *Can housing on the water become an answer to the problems of the contemporary cities?*

S. Widzisz-Pronobis, Silesian University of Technology: *A social strategy for housing investment planning on the example of participatory actions in Chełmno (Poland)*

M. Kiraga, B. Fornal-Pieniak, Warsaw University of Life Sciences WULS-SGGW: *Hydrotechnical development with vegetation as opportunities for life quality in cities*

M. Lip-Kornatka, Silesian University of Technology: *The problem of valuation of historical buildings in the context of urban spatial development*

15:15-15:45

COFFEE BREAK (Main Hall / Room 07)

15:45-16:45

LARGE AUDITORIUM 014

PhD candidate session

under the patronage of Polish Academy of Sciences Branch in Katowice

(Polish session)

Chairman: D. Winnicka-Jasłowska, Silesian University of Technology, Chairman of the Commission of Urban Planning and Architecture (Katowice Branch), Polish Academy of Sciences

D. Drózdź, Silesian University of Technology: *The future of urban areas - the case of the Silesian region in the face of climate change*

T. Dzieduszyński, Warsaw University of Technology: *Convolutional Neural Networks as context-scraping tools in Architecture and Urban Planning*

M. Jaszek, Silesian University of Technology: *Contemporary functions of urban riverside areas in the context of sustainable development in architecture*

A. Śliwa, Silesian University of Technology: *Compilation dwelling space in post-pandemic smart city. The potential of adaptation of apartments in multi-family buildings in Katowice*

Ł. Harat*, Silesian University of Technology: *Architecture and acoustics. A study of strategies for shaping psychoacoustic conditions in cities*

***Photosensitive warning**

This presentation contains flashes of light that could trigger seizures for people with visual sensitivities.

16:45-17:30

LARGE AUDITORIUM 014

Closing Remarks

M. Żmudzińska-Nowak, J. Rabiej, T. Wagner, A. Twardoch, I. Kozina, B. Kucharczyk-Brus,
M. Sitek, K. Ujma-Wąsowicz, D. Winnicka-Jasłowska, A. Szewczenko