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of Technology

Faculty
of Architecture



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II International Scientific Conference

ARCHITECTURE OF CHALLENGES - MATERIALS FOR THE FUTURE

AGENDA

Warsaw University
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of Architecture



Monday 17, June 2024

1 day of the conference

Palace on the Isle –
The Royal Lazienki Museum in Warsaw

Hour	Session	Speaker	Institution
9:30-10:00	Registration		
10:00-10:50	Official opening of the conference		
10:50-11:15	Coffee break		
11:15-12:30	Block 1		
	<ul style="list-style-type: none">Bioreceptive design for the Biocene.	Marcos Cruz	<i>The Bartlett School of Architecture University College London, Studio Biocene, United Kingdom</i>
	<ul style="list-style-type: none">Transformative actions.	Bram Aerts	<i>ATAMA atelier for transformative architecture, Gent, Belgium</i>
	Urbanite: utilizing rubble concrete in the context of circular economy, illustrated by Warsaw's post-war reconstruction and the park at the Warsaw uprising mound.	Maciej Kaufman	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Low adaptation of 3d concrete printing in light of an analysis of corresponding geometric architectural and technological parameters.	Marcin Strzała	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
12:30-13:30	Lunch break		
13:30-14:45	Block 2		
	<ul style="list-style-type: none">Workshop on sustainable timber architecture Chile-Japan.	Gabriela Manzi Zamudio	<i>University of Chile, Faculty of Architecture and Urbanism, Chile</i>
	<ul style="list-style-type: none">Low carbon footprint, natural origin, recycled content – materials in modern architecture.	Magdalena Pios	<i>AMBIENT, Warsaw, Poland</i>
	Time is the material.	Piotr Trębacz Wiktor Gago Łukasz Pałczyński	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Modern Materials Affecting Historic Architecture.	Mariana Kaplinska Ihor Bokalo	<i>Lviv Polytechnic National University, Architecture and Design Institute, Ukraine</i>

Palace on the Isle –
The Royal Lazienki Museum in Warsaw

Hour	Session	Speaker	Institution
14:45-15:15	Break		
15:15-16:30	Block 3		
	<ul style="list-style-type: none">The Potential of Deformed Steel Profiles in a Sustainable and Ultralight Perspective.	Oskar Zięta	<i>Zięta Studio, Wrocław, Poland</i>
	<ul style="list-style-type: none">Implementation of paper-based materials in architectural structures.	Jerzy Łątka	<i>Wrocław University of Science and Technology, Faculty of Architecture, Poland</i>
	Architecture and design for Emergency - modern Ukrainian challenges.	Andriy Pavliv Kvasnytsya Roksolyana Filip Strzelecki	<i>Lviv Polytechnic National University, Architecture and Design Institute, Ukraine Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Autoclaved Aerated Concrete: Modern and Ecological Material for the Future.	Tomasz Rybarczyk Łukasz Drobiec	<i>The Silesian University of Technology Faculty of Civil Engineering, Gliwice, Poland</i>
16:30-17:00	Break		
17:00-18:15	Block 4		
	<ul style="list-style-type: none">Growing Architecture – Designing and Building with Trees.	Ferdinand Ludwig	<i>Technical University of Munich, (TUM) Office for Living Architecture in Stuttgart, Germany</i>
	Structural exoskeletons and biophilic: a new perspective of redevelopment for the existing heritage in a sustainable way.	Alessandra Vazzoler Giovanni Pizzari Olivia Longo	<i>University of Brescia – DICATAM, Italy</i>
	Biophilic recovery of Lombardy rocchi. Old forms, new uses, and vegetal materials in harmony	Davide Sigurtà Olivia Longo Alessandra Vazzoler	<i>University of Brescia – DICATAM, Italy</i>
	<ul style="list-style-type: none">Fugitive paradigms. Limbo the new color.	Francois Roche	<i>New-Territories, Paris, France</i>
19:00	Bankiet (Palace on the Isle)		

Tuesday 18, June 2024

Czapski Palace
The Academy of Fine Arts in Warsaw

II day of the conference

Hour	Session	Speaker	Institution
8:30-9:00	Registration		
9:00-10:15	Block 5		
	<ul style="list-style-type: none">Exploring Micelium-Based Composites: A Fresh Eco - Aesthetic Approach to Interior Design.	Agata Bonenberg	<i>Poznan University of Technology, Faculty of Architecture, Poland</i>
	Building with mushroom bricks - ecological innovation in architecture.	Anna Maria Wierzbicka Katarzyna Miśkiewicz	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i> <i>Łukasiewicz Research Network – Łódź Institute of Technology, Poland</i>
	Bio - composite made of hemp and lime and its effect on energy demand of a building.	Michał Gołębiowski	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Synergy of form and its carrier in architecture through the microbiological fabrication of bulk materials.	Romuald Tarczewski	<i>Wroclaw University of Science and Technology, Poland</i>
10:15-11:00	Break		
11:00-12:25	Block 6		
	<ul style="list-style-type: none">The resources from a local context perspective.European Bamboo Research Project Dutch Bamboo Foundation with ArtEZ University.	Anders Berensson Brian Edward Wennersten	<i>Anders Berensson Architects, Stockholm, Sweden</i> <i>Dutch Bamboo Foundation, Winterswijk, The Netherlands</i>
	Landscaping as the newest ecological material in the urban environment.	Iaryna Onufriv Halyna Lukashchuk Magdalena Duda	<i>Lviv Polytechnic National University, Architecture and Design Institute, Ukraine</i> <i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Neighborhood environment and historical spatial archetypes in the planning structure of the modern city	Yuriy Kryvoruchko Yaryna Voronych	<i>Lviv Polytechnic National University, Architecture and Design Institute, Ukraine</i>
	Features of obtaining building materials using the recycling technology of construction waste of military origin	Genadiy Farenjuk	<i>State Institute of Building Structures/ Kyiv), Ukraine</i>

Czapski Palace
The Academy of Fine Arts in Warsaw

Hour	Session	Speaker	Institution
12:25-13:10	Lunch break		
13:10-14:25	Block 7		
	<ul style="list-style-type: none">Materials for the Future. Upcycling.Public buildings made with bio-based materials. A fragrant future.	Oleksii Vostrykov Przemysław Woś	<i>Replus Bureau, Lviv, Ukraine</i> <i>SWIADOM Architectural Studio, Warsaw, Poland</i>
	Contemporary possibilities for the use of reclaimed wood in interior design.	Anita Orchowska Agnieszka Chudzińska Somia Hassan Omotara Adebayo	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Wooden architecture computational manufacturing	Ewelina Gawell Agnieszka Wardzińska	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
14:25-14:40	Break		
14:40-16:05	Block 8		
	<ul style="list-style-type: none">Activities of the Sustainable Architecture Division of Association of Polish Architects Warsaw Branch (OW SARP) with particular emphasis on the pro-environmental assessments of buildings.Decarbonisation of construction processes - introducing zero carbon natural materials, including wood, into circular construction.	Anna Tofiluk Jan Dowgiałło Anna Zawadzka-Sobieraj	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i> <i>Polish Association of Natural Construction (OSBN) mech.build ecological architecture studio, Warsaw, Poland</i>
	Modern solar energy systems influence on urban landscape aesthetic qualities.	Halyna Koznarska Kinga Zinowiec - Cieplik Leszek Wiśniewski	<i>Lviv Polytechnic National University, Architecture and Design Institute, Ukraine</i> <i>Warsaw University of Technology, Faculty of Architecture, Poland</i>

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Hour	Session	Speaker	Institution
	Structural steel as the building material for a responsible sustainable future.	Mirosław Siennicki Wioleta Barcewicz Stanisław Wierzbicki	<i>Warsaw University of Technology, Faculty of Civil Engineering, Poland</i>
	The use of modern materials in reconstruction projects in the historic complex of the Pototski Palace in Ivano-Frankivsk.	Anna Serbyn	<i>Lviv Polytechnic National University, Ukraine</i>
16:05-16:20	Break		
16:20-17:40	Block 9		
	• Ukraine Villages digital tool: preserving Ukraine's rural architecture with the help of parametric design.	Slava Stopul	<i>Balbek Bureau, Kyiv, Ukraine</i>
	Raw earth 3D printing as a solution for future settlements.	Joanna Klimowicz Anna Nowak	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	Computational form-finding of acoustic surfaces for increased patient comfort in hospital.	Jakub Bąbik Krystian Kwieciński	<i>Warsaw University of Technology, Faculty of Architecture, Poland</i>
	• Towards a plants city.	Luc Schuiten	<i>Schuiten Architecture Studio, Brussels, Belgium</i>
17:40-19:00	General discussion		

More on the website:



CONFERENCE ORGANIZERS:

Faculty of Architecture Warsaw University of Technology
The Royal Łazienki Museum in Warsaw
The Academy of Fine Arts in Warsaw
National Institute of Architecture and Urban Planning

CONFERENCE PARTNERS:

Kyiv National University of Building and Architecture (KNUBA)
National University "Zaporizhzhya Polytechnic"
National University "Lviv Polytechnic"
National Union of Architects of Ukraine
National Academy Of Fine Arts And Architecture, Kyiv
Łukasiewicz Research Network–Łódź Institute of Technology.
Sustainable Architecture Group OW SARP

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