



20 November 2019 - the first day of the conference	
9:00	Registration Location: CZliTT Building, 4 Rektorska Street, Reception desk on the ground floor
10:00-10:30 Opening Comments Location: Auditorium, 1st floor Moderators: Magdalena Grochulska-Salak PhD Arch., Kinga Zinowiec-Cieplik PhD Landscape Arch.	
10:00	Jan Slyk , Assoc. Prof. PhD. Arch., Dean of the Faculty of Architecture Warsaw University of Technology
10:10	Justyna Glusman , Director Coordinator for Sustainable Development and Greenery, Warsaw City Hall
10:20	Ole Egberg Mikkelsen , Ambassador of Denmark, Royal Danish Embassy
10:30-12:00 Session 1 Location: Auditorium, 1st floor Moderators: Manfred Koehler Prof. PhD. Landscape Arch., Kinga Zinowiec- Cieplik PhD Landscape Arch.	
10:30	Emanuele Naboni , Assoc. Prof. PhD Arch., Royal Danish Academy, Institute of Architectural Design and Technology Digital Paths of Urban Adaptation to Climate Change
10:50	Søren Riis Dietz , Arch., Bjerg Arkitektur Redefining cities to passive standard in view of climate situation
11:10	Rafi Segal , Assoc. Prof. PhD. Arch., Massachusetts Institute of Technology, Department of Architecture Coastal Urbanism: Receive, Protect, Adapt
11:30	Michał Stangel , Assoc. Prof. PhD Arch., Silesian University of Technology, Faculty of Architecture Sustainable urbanism and urban design projects in Poland in the 21st century
12:00	Coffee Break (12:00-12:30) Location: ground floor
12:30-13:45 Session 2 Location: Auditorium, 1st floor Moderators: Rafi Segal, Assoc. Prof. PhD. Arch., Anna Tofiluk, PhD Arch.	
12:30	Ewa Kuryłowicz , Prof. PhD. Arch., Warsaw University of Technology, Faculty of Architecture Climates of the changes in the cities in the third decade of 21 century – collective urban intelligence
12:45	Florian Betzler , PhD. Arch., Betzler Development GmbH & Co. KG Cool Microclimate with New Planning and Lawmaker Tools: Green Density Factor + City Cooling Factor
13:00	Carlo Battisti , International Living Future Institute A visionary path to a regenerative future. Living Building Challenge 4.0, from possible to scalable
13:15	Flemming Frost , Arch. Juul Frost Architects Cities of Well-Being
13:30	Małgorzata Hanzl , Assoc. Prof. PhD. Arch. Lodz University of Technology, Institute of Architecture and Urban Planning Climate resilience - assessment of a New City Centre case study in Lodz
13:45	Lunch Break (13:45 -14:15) Location: ground floor



14:15-14:45 Poster Session	
Location: ground floor	
Moderators: Magdalena Grochulska-Salak PhD. Arch., Mateusz Płoszaj-Mazurek Msc Arch.	
14:15	<p>Katarzyna Sadowy, PhD. Arch., The Warsaw Branch of the Association of Polish Architects (OW SARP) <i>Tangible and intangible heritage in the context of sustainable development</i></p> <p>Sylvia Krzysztofik, Msc Arch., Lodz University of Technology, Małgorzata Denis, PhD. Arch., Warsaw University of Technology <i>Miasta zrównoważone i pełne życia. Możliwości i zagrożenia rozwoju polskich miast</i></p> <p>Justyna Dziedziejko, Msc Landscape Arch., Warsaw University of Technology, Faculty of Architecture <i>Architektura jako continuum krajobrazu miejskiego</i></p> <p>Bartosz Felski, PhD. Arch., Sopot University of Applied Sciences, Faculty of Architecture <i>Small architectural forms as a response to threats to the sustainable development of anthropogenic space caused by climate migration</i></p> <p>Katarzyna Gocko-Gomola, Msc. Arch., Katowice School of Technology, Faculty of Architecture <i>The nature-based system solution for functional-spatial urban structure of Pasieka Island in Opole</i></p> <p>Michał Gołębiowski, Msc. Arch., Warsaw University of Technology, Faculty of Architecture <i>Natural Composites - Materials of Sustainable Architecture</i></p> <p>Magdalena Grochulska-Salak, PhD. Arch., Kinga Zinowiec-Cieplik, PhD. Landscape Arch., Warsaw University of Technology, Faculty of Architecture <i>The regenerative model of the city in view of climatic changes</i></p> <p>Joanna Koszewska, Msc Arch., Sobonne Universite, Warsaw University of Technology, Faculty of Architecture <i>Powisłe - problems of spatial planning and natural conditions</i></p> <p>Jacek Kwiatkowski, Assoc. Prof. PhD. Arch., University of Warsaw, Faculty of Geography and Regional Studies <i>Nowa rola motoryzacji w mieście po osiągnięciu poziomu zero-emisyjności samochodu, studium foresitingowe</i></p> <p>Eliza Maciejewska, PhD. Arch., Warsaw University of Technology, Faculty of Civil Engineering <i>"Sponge city" and other examples of solutions for cities at risk of flooding</i></p> <p>Paweł Pedrycz, Msc Arch., Warsaw University of Technology, Faculty of Architecture <i>Densification of modernist housing estates as a step towards a compact city. Opportunities and threats</i></p> <p>Agnieszka Szumilas, PhD. Arch., Wrocław University of Science and Technology, Faculty of Architecture <i>Housing estate without cars. European experience vs. Polish realities</i></p> <p>Anna Tofiluk, PhD. Arch., Warsaw University of Technology, Faculty of Civil Engineering <i>Prefabricated Residential Architecture and Climate Change – Responsible Design and its Dilemmas</i></p> <p>Judyta Wesołowska, Msc. Eng., Warsaw University of Technology, Faculty of Architecture Anna Rolewicz-Kalińska PhD. Eng., Warsaw University of Technology, Faculty of Building Services Hydro and Envir.Eng. <i>Transition of Solid Waste Management Infrastructure in urban landscape in perspective of Circular Economy</i></p> <p>Leszek Wiśniewski, Msc Arch., Warsaw University of Technology, Faculty of Architecture <i>Greenhouse Gas Emissions from Transport Sector. How to decarbonise urban transport through technological change, mobility policy and spatial planning?</i></p> <p>Justyna Zdunek-Wielgołaska PhD Arch., Anna Grabowska PhD. Arch., Warsaw University of Technology, Faculty of Arch. <i>The rurality of suburbs: The future of rural landscapes in suburbs of big cities</i></p> <p>Joanna Strużewska, Assoc. Prof. PhD. Eng., Maciej Jefimow, PhD. Eng., Institute of Environmental Protection - National Research Institute (IOS-PIB) <i>Knowledge base on climate change and adaptation strategies.</i></p> <p>Marta Weber-Siwirska, PhD. Eng., Landscape Arch., SPAK, Wrocław University of Environmental and Life Sciences <i>Assessment of the possibility of greening the large-panel buildings roofs on the example of the Dorota - Barbara housing estate in Wrocław, Poland</i></p> <p>Dariusz Górecki, Stowarzyszenie Wspierania Inwestycji Przyjaznych PTAcem <i>Zrównoważone budownictwo innowacyjnym narzędziem do ochrony ptaków</i></p> <p>Aleksandra Szurlej Kiełańska, TACTUS, Stowarzyszenie Wspierania Inwestycji Przyjaznych PTAcem <i>Ochrona bioróżnorodności jako podstawowy element kształtowania systemu przyrodniczego miast w obliczu zmian klimatycznych</i></p>



<p>14:45-16:00 Expert Session - Implementation of a sustainable city model and adaptation to climate change Location: Auditorium, 1st floor Moderators: Beata J. Gawryszewska, Assoc. Prof. PhD. Landscape Arch., Magdalena Grochulska-Salak, PhD. Arch.</p>	
14: 45	<p>Beata J. Gawryszewska, Assoc. Prof. PhD. Landscape Arch., Warsaw University of Life Sciences Faculty of Civil and Environmental Engineering Warsaw Housing Standard (WSM 1.2) for urban climate change mitigation and adaptation</p>
15:00	<p>Magdalena Polus, Arcadis Arcadis Sustainable Cities Indices – global and Polish editions</p>
15:15	<p>Ewa Janczar, PhD. Eng., Committee on Spatial Order, Warsaw City Council The role of spatial data in the issues of functional and spatial structure changes in cities</p>
15:30	<p>Agnieszka Machnowska, City of Warsaw, Architecture & Spatial Planning Department A new approach to greenery in the context of climate change. From Warsaw Natural System to Blue and Green Infrastructure</p>
15:45	<p>Wojciech Kotecki, Msc Arch., Zofia Piotrowska, Msc Arch. BBGK Architekci Warsaw Community District</p>
<p>16:00 Coffee Break (16:00-16:15) Location: ground floor</p>	
<p>16:15-18:00 Session 3 A Location: Auditorium, 1st floor Moderators: Emanuele Naboni, Assoc. Prof. PhD Arch., Kinga Zinowiec-Cieplik, PhD. Landscape Arch.</p>	
<p>16:15-18:00 Session 3 B Location: Auditorium, 2nd floor Moderators: Michał Stangel, Assoc. Prof. PhD. Arch. Anna Tofiluk, PhD. Arch.</p>	
16:15	<p>Krystyna Solarek, Assoc. Prof. PhD. Arch. Warsaw University of Technology, Faculty of Architecture, Katarzyna Solarek, Msc Landscape Arch., Sorted Around the Kampinos Forest. Potential of creative planning and design in balancing water problems on the example of a fragment of Warsaw agglomeration.</p>
16:30	<p>José G. Vargas-Hernández, M.B.A. Ph.D., University Center for Economic and Managerial Sciences, University of Guadalajara, Justyna Zdunek-Wielgołaska, PhD. Arch. Warsaw University of Technology, Faculty of Architecture Eco-oriented urban land uses in urban socio-ecosystems</p>
16:45	<p>Kyushik Oh Ph.D. / Professor, Hanyang University A Spatial Decision-Making Framework to Improve the Urban Thermal Environment and its Applications</p>
16:45	<p>Agata Twardoch, PhD. Arch., Sebastian Dziedzic, Msc. Eng. Arch. Silesian University of Technology, Faculty of Architecture European cities facing climate change: water issues in social, spatial and legal terms</p>
17:00	<p>Dongwoo Lee Ph.D. / Research Professor, Hanyang University Developing the Urban Thermal Environment Simulation Model (UTESM) for Urban Thermal Environment Planning and Design</p>
17:00	<p>Tomasz Bradecki, PhD. Arch. Silesian University of Technology, Faculty of Architecture Mapping sustainability for cities in a perspective of climatic change. Case study of the Bologna city</p>
17:15	<p>Heeju Kim, PhD/ Researcher, Hanyang University An Automated Process for Analyzing Applicable Locations and Areas of Urban Heat Mitigation Measures</p>
17:15	<p>Joanna Jabłońska, Assoc. Prof. PhD. Arch., Wrocław University of Science and Technology, Faculty of Architecture The role of acoustics in building clean urban and architectural environment</p>
17:30	<p>Krzysztof Herman PhD. Landscape Arch., Warsaw University of Life Sciences, Faculty of Civil and Environmental Engineering Frugality and moderation as key values in landscape architecture in the face of climate crisis</p>
17:30	<p>Piotr Mędrzycki, Assoc. Prof. PhD. Arch., University of Ecology and Management, Faculty of Architecture Microchanges of a microclimate – Urban Heat Island on a microscale</p>



17:45	Noman Sahito , Zhejiang University, College of Civil Engineering and Architecture <i>Examine the Impact of Urban Vibrancy on Quasi-Public Spaces. Using Social Media: Case Study of Hangzhou China</i>	Wojciech Skórzewski , PhD. Arch. Poznan University of Technology, Faculty of Architecture <i>Urban layout and energy savings</i>
18:00	Closing Comments	
18:15	Common passage to the Faculty of Architecture Building (55 Koszykowa Street) Common photo on the stairs and a tour of the building	
19:00	Conference Dinner (19:00-21:30) Only for invited guests, speakers and poster session participants who declared and confirmed their participation in the Conference Dinner.	



21 November 2019 - the second day of the conference	
9:00	Registration Location: 4 Rektorska Street, Reception desk on the ground floor
10:00–10:20 Opening Comments Location: Auditorium, 1st floor Moderators: Kinga Zinowiec-Cieplik PhD. Landscape Arch., Magdalena Grochulska-Salak PhD. Arch.	
10: 00	Krystyna Solarek , Assoc. Prof. Arch., Vice - Dean for Science, Faculty of Architecture Warsaw University of Technology
10: 10	Dorota Wysokińska-Kuzdra, Executive Committee Chair Urban Land Institute Poland
10:20 – 12:00 Session 1 Location: Auditorium, 1st floor Moderators: Joanna Giecewicz, Assoc. Prof. PhD. Arch., Anna Tofiluk, PhD. Arch.	
10: 20	Joanna Giecewicz , Assoc. Prof. PhD. Arch., Warsaw University of Technology, Faculty of Architecture <i>Ian Mc Harg Transformative Planning Concepts</i>
10: 40	Manfred Koehler , Prof. PhD. Landscape Arch. University of Applied Sciences Neubrandenburg, Faculty of Landscape Science and Geomatics <i>Green infrastructure as an answer</i>
11:00	Piotr Noakowski , Prof. PhD. Eng., TU Dortmund University, The Faculty of Architecture and Civil Engineering, Exponent Industrial Structures Düsseldorf <i>The Wind Power Plants in 5 Key Words. Environmental Issues, Energy Sources, Structure Arrangement, Structural Design, Topical Challenges</i>
11: 20	Katarzyna Zielonko-Jung , Assoc. Prof. PhD. Arch., Gdańsk University of Technology, Faculty of Architecture <i>Designing with wind. Towards a methodology for architecture and urban planning</i>
11: 40	Anna Maria Wierzbicka , Assoc. Prof. PhD. Arch., Warsaw University of Technology, Faculty of Architecture <i>Climatic Changes in Cities in the Context of Modernisation and Conservation of Sacral Objects</i>
12:00	Coffee Break (12:00-12:30) Location: ground floor
12:30 –14:00 Expert Session - implementation of innovative solutions and technologies Location: Auditorium, 1st floor Moderators: Elżbieta Dagny Ryńska Prof. PhD. Arch., Magdalena Grochulska-Salak PhD Arch.	
12:30	Elżbieta Dagny Ryńska Prof. PhD. Arch., Warsaw University of Technology, Faculty of Architecture <i>Water as part of Designer's Workshop</i>
12:45	Agnieszka Kowalewska , Sendzimir Foundation <i>Role of nature-based solutions in cities' adaptation to climate change</i>
13:00	Ewa Kożuchowska – Piątek , Laboratorium Zielonych Dachów <i>Green roof technology for buildings in the city</i>
13:15	Beata Dziedzic , 4 Nature System- Wertykalni <i>Green Wall Technology in Buildings</i>
13:30	Paweł Wolejsza , The Polish Association of Developers (The PAD / PZFD) <i>Climate change: pro-environmental solutions in new investments</i>
13:40	Piotr Kapkowski , Schreder <i>Eco-light technologies in the city - Shuffle 5 modules</i>
13:50	Magdalena Gruna , PhD. Arch., Vectorworks <i>Technology for design process optimization in Vectorworks 2020</i>
14:00	Lunch Break (14:00-14:45) Location: ground floor



<p>14:45 -15:30 Session 2 A Location: Auditorium, 1st floor Moderators: Elżbieta Dagny Ryńska, Prof. PhD. Arch., Anna Tofiluk, PhD. Arch.</p>		<p>14:45 -15:30 Session 2B Location: Auditorium, 2nd floor Moderators: Anna Bać, Assoc. Prof. PhD. Arch. Magdalena Grochulska-Salak PhD. Arch.</p>	
14:45	<p>Piotr Bujak, PhD. Arch., Warsaw University of Technology, Faculty of Civil Engineering Communication in an Interdisciplinary Project Team: Challenges, Problems, Opportunities. An Attempt at Analysis on the Example of Cooperation Between the Architect and the Structural Engineer</p>	<p>Krystyna Guranowska-Gruszecka, Prof. PhD. Arch Warsaw University of Technology, Faculty of Architecture The Sources of Warsaw smog and directions to rectify this situation in the place of its causes</p>	
15:00	<p>Piotr Narloch PhD. Eng., Arch., Łukasz Rosicki, Msc Eng. Warsaw University of Technology, Faculty of Civil Eng. An analysis of the possibility of utilizing waste heat from data centers</p>	<p>Agnieszka Starzyk PhD Arch., University of Ecology and Management, Faculty of Architecture Pro-środowiskowa architektura adresowana do dzieci – wyzwania przyszłości, przekaz edukacyjny</p>	
15:15	<p>Sylwia Pawlikowska-Musiewicz, Msc Arch. Katowice School of Technology, Faculty of Architecture, Civil Construction and Applied Arts Projects for the revitalization of city centers and effects of climate change – case of Katowice</p>	<p>Agnieszka Chudzińska, Msc. Arch. Anna Dybczyńska-Bulyszko, Assoc. Prof. PhD. Arch. Warsaw University of Technology, Faculty of Architecture Smog w miastach – przegląd metod walki</p>	
<p>15:30-17:00 Session 3 A Location: Auditorium, 1st floor Moderators: Piotr Noakowski, Prof. PhD. Eng., Anna Tofiluk, PhD. Arch.</p>		<p>15:30-17:00 PhD Students Session Location: Auditorium, 2nd floor Moderators: Justyna Zdunek-Wielgołaska PhD. Arch., Magdalena Grochulska-Salak, PhD. Arch.</p>	
15:30	<p>Agnieszka Kaliszuk-Wietecha PhD. Eng., Warsaw University of Technology, Faculty of Civil Engineering The influence of climate change on the energy performance and thermal comfort in building</p>	<p>Agnieszka Kucharska Msc Arch, Klaudia Maria Janiszewska-Ostrowska Msc Arch, West Pomeranian University of Technology, Civil Engineering and Architecture Faculty Problematyka kształtowania wnętr urbanistycznych w aspekcie zmian klimatycznych</p>	
15:45	<p>Małgorzata Denis, PhD. Arch., Anna Majewska, PhD. Arch. Warsaw University of Technology, Faculty of Geodesy and Cartography Miasto well-being – jak ukierunkować rozwój małego miasta, przykład Mszczonowa</p>	<p>Katarzyna Chrobak Msc Arch, Piotr Kryczka, Msc Arch Wrocław University of Science and Technology, Faculty of Architecture Polityka przestrzenna Wrocławia a gospodarowanie przestrzenią miejską w aspekcie adaptacji do zmian klimatu</p>	
16:00	<p>Anna Długozima, PhD. Eng. Warsaw University of Life Sciences, Faculty of Civil and Environmental Engineering Projektowanie miejskich przestrzeni cmentarnych w obliczu zmian klimatycznych. Rozwiązania pro-środowiskowe w programie fun.-przest. cmentarzy</p>	<p>Małgorzata Świąder, Msc Arch Wrocław University of Environmental and Life Sciences, Faculty of Environmental Engineering and Geodesy The use of carbon footprint as a part of environmental carrying capacity assessment for more sustainable spatial management process</p>	
16:15	<p>Agnieszka Marczevska, Master University of Ecology and Management, Faculty of Architecture The Spatial Puzzle "The Walls Follow Function" - a new didactic tool that helps to redefine living spaces in cities in view of climatic changes</p>	<p>Anna Stefańska Msc Arch Warsaw University of Technology, Faculty of Architecture The Impact of World Expositions on the Economic Development of Cities</p>	
16:30	<p>Joanna Klimowicz, PhD. Arch. Warsaw University of Technology, Faculty of Architecture Greenery in urban landscape - selected examples</p>	<p>Klara Kantorowicz Msc Arch Warsaw University of Technology, Faculty of Architecture Protection of the historic, cultural and natural landscape values of Warsaw's suburbs in the face of climate change</p>	
16:45	<p>Joanna Pietrzak, PhD. Arch. Warsaw University of Technology, Faculty of Architecture Tall buildings going green</p>	<p>Mateusz Płoszaj-Mazurek, Msc Arch. Warsaw University of Technology, Faculty of Architecture Applying Machine Learning in Integrated Architectural Design for Life Cycle Carbon Footprint Reduction</p>	
17:00	Closing Comments		



REDEFINING CITIES
IN VIEW OF CLIMATIC CHANGES



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