

Architecture and Urban Planning in the Face of Crisis Threats

CLIMATE CATASTROPHE
TERRORISM
WAR

Scientific Council

Experts from various fields

- **Piotr Fokczyński**, President of the Polish Chamber of Architects (IARP)
- **Bolesław Stelmach**, Prof. Director of the National Institute of Architecture and Urban Planning (NIAiU)
- **Tomasz Klimczak**, Rector-Commandant of the Main School of Fire Service
- **Bartosz Kozicki**, Dean of the Faculty of Security, Logistics and Management, Military University of Technology (WAT)
- **Marcin Dawidowicz**, Regional Heritage Conservator for Mazovia
- **Michał Krasucki**, Warsaw City Heritage Conservator
- **Agnieszka Starzyk**, PhD Warsaw University of Life Sciences (SGGW)
- **Jerzy Ładysz**, PhD Wrocław University of Science and Technology
- **Krzysztof Koszewski**, Dean of the Faculty of Architecture, Warsaw University of Technology (WAPW)
- **Maciej Frąckowiak**, PhD Adam Mickiewicz University in Poznań

Main Topics

1. Climate crises, adaptation to climate change and sustainable development (catastrophic risks and climate-related transformations)
2. Security, architecture, and urban planning in the context of terrorism and civil protection (experts in protective architecture, public space design, and infrastructure resilient to terrorist and wartime threats)
3. Urban planning in the context of post-war and post-disaster reconstruction, and spatial planning for crisis situations (rebuilding cities and architecture during and after crises)
4. Crisis management and public safety, protection of cultural heritage, environmental resources, and food security
5. Counteracting cyber and intelligence threats in the work of architects and urban planners

Action Timeline

- **January - April 2025:** Establishment of the Scientific Council
- **April 2025** (based on Council recommendations): Conference planning, speaker invitations, topic selection, website development
- **April - June 2025:** Call for abstracts, securing sponsors, partners, and patrons, initial media outreach (identifying and training spokespersons)
- **July - August 2025:** Closing of submissions, finalizing the program, planning logistical details (venue, transport, translation, materials)
- **September - October 2025:** Conference execution, workshops, panels, and sessions
- **October - November 2025:** Media summaries, publication of post-conference materials in a peer-reviewed academic journal (*Architectus*), drafting of conclusions and recommendations

Structure

2 Conference Days

Day 1 - Focused on topics relevant to the preparation of general plans and national planning documents

Day 2 - **Cybersecurity** – panel discussion and **Best practices** – panel with international guests (Ukraine, Switzerland, Finland)

Why Cybersecurity?

Topic for a workshop or panel discussion on Day 2

The growing role of digital technology in architecture:

Architects increasingly use advanced digital tools such as BIM (Building Information Modeling), smart city technologies, and drones for site analysis. These technologies are vulnerable to cyberattacks, which may lead to data breaches, intellectual property theft, and disruptions to construction and urban management processes.

Cyber threats and attacks on critical infrastructure:

Cities are adopting intelligent management systems (e.g., water, transport, energy), which can become targets for cyberattacks. In the context of war or terrorism, cyberattacks on urban infrastructure can have devastating consequences.

Intelligence threats and industrial espionage:

Architects and urban planners may become targets of espionage, especially in strategic investment projects or critical infrastructure. Unauthorized access to sensitive building or planning data may pose national security and privacy risks.

Rising cyberterrorist attacks:

There have been increasing incidents of cyberattacks on engineering and infrastructure systems in cities. The growing number of hacking attempts in the public sector, including in urban planning and architecture, calls for improved protection against cyber threats.

Proposed Presentation Topics

War, conflict, and post-war reconstruction

Terrorism – security and defensive design

Urban governance, risk management, and policy integration in architecture and urban planning during threats

Data security in architectural projects, urban planning documents, and geospatial datasets

Education, ethics, and professional responsibility in the face of intelligence threats

Urban planning and risk management (cooperation with security ministries)

Technology and data in designing safe spaces


Civil protection, rescue services, and food security




MAZOWIECKA OKRĘGOWA
IZBA ARCHITEKTÓW
RZECZYPOSPOLITEJ POLSKIEJ

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