



II INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE
CRITICAL INFRASTRUCTURE OF CITIES
INFRASTRUKTURA KRYTYCZNA MIAST



October 6 – 8, 2021 Nowy Sącz – Rytró - Hotel Perła Południa – Beskid Sądecki, Poland

SAFETY OF MUNICIPAL INFRASTRUCTURE FUNCTIONING

◆ SMART CITIES ◆ WATERWORKS ◆ SEWAGE ◆ GAS ◆ ENERGETICS ◆ AUTOMATION ◆ ICT ◆

Announcement No. 4

Announcement date: **August 16, 2021**

In the conference program:

SUBSTANTIVE PRESENTATIONS

/open list/

1. ANALYSIS OF WATER TEMPERATURE CHANGES IN A SELECTED PART OF THE WATER SUPPLY SYSTEM IN THE LIGHT OF THE SAFETY OF THE FUNCTIONING OF CRITICAL INFRASTRUCTURE IN THE PRESENCE OF CLIMATE CHANGES
2. ENSURING THE SAFETY OF COLLECTIVE WATER INTAKE AND DISTRIBUTION SYSTEM
3. SAFETY ELEMENTS FOR THE FUNCTIONING OF RAIN WATER SYSTEM
4. EVOLUTION OF LEGAL PROTECTION OF WATER RESOURCES AND INTAKES IN POLAND
5. INTELLIGENT MUNICIPAL INFRASTRUCTURE OF MODERN AGGLOMERATIONS
6. INTELLIGENT (CRITICAL) INFRASTRUCTURE OF WATER SUPPLY NETWORK FOR COLLECTIVE WATER SUPPLY SYSTEMS – ASSUMPTION AND SELECTION OF IT AND HARDWARE SOLUTIONS
7. HOW TO MEASURE CYBERSECURITY AND RELIABILITY FROM THE PERSPECTIVE OF AN ENGINEER AND TECHNICIAN AND HOW TO MAKE IT MANAGEABLE IN THE EYES OF MANAGER OR DIRECTOR? THE DEVELOPMENT OF PROFESSIONAL QUALIFICATIONS IN BUILDING AN INTEGRATED COMPANY CYBERSECURITY PROGRAM
8. BENEFITS, DRAWBACKS AND FACILITIES OF USING RAIN GARDENS
9. HEAVY METALS IN SURFACE WATER USED FOR COLLECTIVE WATER SUPPLY ON THE EXAMPLE OF THE DUNAJEC RIVER
10. MICROPLASTICS IN HOUSEHOLD COMPOSTS AS A BARRIER TO GOZ DEVELOPMENT
11. MOBILE LABORATORY AS A TOOL SUPPORTING THE SAFETY OF COLLECTIVE WATER SUPPLY SYSTEMS
12. POSSIBILITIES OF ASSESSMENT OF ENVIRONMENTAL AND SOCIAL RISK IN MUNICIPAL WASTE MANAGEMENT TECHNOLOGIES
13. NANOPARTICLES IN SURFACE WATERS
14. NEW TARGETS FOR THE RECYCLING OF MUNICIPAL WASTE AS INDICATORS FOR MONITORING THE CIRCULAR ECONOMY (GOZ) IN COMMUNAL MUNICIPAL WASTE MANAGEMENT SYSTEMS
15. PROTECTION OF CRITICAL INFRASTRUCTURES USING THE EXAMPLE OF THE GERMAN WATER ECONOMY
16. RENEWABLE ENERGY SOURCES AS AN ELEMENT OF ENERGY SECURITY FOR SMART CITIES
17. FROM WASTE TO NANOPARTICLES
18. CONFIDENCE AND RELIABILITY OF SCIENTIFIC RESEARCH
19. RELATIONSHIPS AND DEPENDENCIES OF CRITICAL INFRASTRUCTURE SYSTEMS – OPPORTUNITIES AND THREATS IN PROOFING OF MUNICIPAL INFRASTRUCTURE
20. PRACTICAL APPLICATIONS FOR THE USE OF THE MICROTOX SYSTEM FOR EPIDEMIC / TOXICOLOGICAL SAFETY
21. STRATEGIES FOR RECOVERING DRINKING WATER FROM SEWAGE - POSSIBILITIES AND LIMITATIONS
22. TOXICITY OF WATER DESINFECTION BY-PRODUCTS
23. THE IMPACT OF STREET CLEANING AND WASTE QUALITY ON CHANGES IN THE NATURAL ENVIRONMENT
24. CONTEMPORARY THREATS TO CRITICAL INFRASTRUCTURE OBJECTS
25. USE OF MOBILE DISTRIBUTION POINT OF ICT INFRASTRUCTURE (MPDIT) TO SECURE KEY CITY INFRASTRUCTURE
26. DETECTION AND LOCATION OF LEAKS IN THE WATER SYSTEM WITH THE USE OF ARTIFICIAL NEURAL NETWORKS
27. THREATS OF ENVIRONMENTS RESULTING FROM THE PRESENCE OF RESIDUES OF SELECTED PHARMACEUTICALS AND MICROPLASTIC IN WATER
28. APPLICATION OF REMOTE WATER METER READING SYSTEMS TO MINIMIZE WATER LOSS ON THE EXAMPLE OF SADECKIE WODCIĄGI

29. APPLICATION OF X-RAY CRYSTALOGRAPHY TO ASSESS THE RISK OF DRINKING WATER CONTAMINATION WITH SELECTED METALS

PROMOTIONAL PRESENTATIONS OF COMPANIES

/open list/

Presentation of innovative technical and technological solutions

TECHNICAL-SEMINARY WORKSHOPS

1. **SECURITY OF CRITICAL INFRASTRUCTURE IN COMMUNAL SYSTEMS CONTROLLING TECHNOLOGICAL PROCESSES**
ASTOR, Kraków
2. **FIELD DATA ACQUISITION, ANALYSIS AND TREND STUDY BASED ON SPATIAL DATA**
Esri Polska Sp. z o.o.
3. **USING MODEL-BASED SYSTEMS ENGINEERING (MBSE) TO DEAL WITH COMMON CYBERSECURITY CHALLENGES IN THE DESIGN OF BUILD IN CONTROL SYSTEMS**
Oprogramowanie Naukowo-Techniczne Sp. Z O.O. Sp. K., Kraków

YOU ARE WELCOME

Conference Organizer



SĄDECKIE WODOCIĄGI®

Sąddeckie Wodociągi Spółka z o.o.

33-300 Nowy Sącz, ul. Wincentego Pola 22

www.swns.pl, www.infrastrukturakrytyczna.com.pl,

e-mail: ikm@swns.pl; tel: +48 184 141 208, 184 141 210

Scientific Patronage



Komisja Nauk Geologicznych
Oddział PAN w Krakowie

**Politechnika
Warszawska**



UNIWERSYTET
ROLNICZY
W KRAKOWIE



PAŃSTWOWA WYŻSZA SZKOŁA ZAWODOWA W NOWYM SĄCZU



UNIWERSYTET
EKONOMICZNY
W KRAKOWIE

Honorary Patronage



Łukasz Smółka
Wicemarszałek Województwa Małopolskiego



Rządowe Centrum
Bezpieczeństwa



Izba Gospodarcza
WODOCIĄGI POLSKIE



Media Patronage

