



VI International Scientific-Technical Conference



ACTUAL PROBLEMS OF RENEWABLE ENERGY, CONSTRUCTION AND ENVIRONMENTAL ENGINEERING



24 – 27 November 2022, Kielce, (Poland, Ukraine, Croatia, Slovakia, Lithuania)



**The time and place of the meeting: 24 – 27 November 2022.
Faculty of Environmental, Geomatic and Energy Engineering, Kielce University of
Technology, Poland.**

al. Tysiąclecia Państwa Polskiego 7, 25-314 Kielce

Beginning of conference – 24 November 2022 in 10:00.

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Conference languages: Polish, English, Ukrainian



Conference Chairs:

Anatoliy Pavlenko

prof. doctor of science Head of Department of Building Physics
and Renewable Energy, Kielce University of Technology

Aleksander Szkarowski

prof. doctor of science Head of Department of Construction
Networks and Systems, Koszalin University of Technology



24 – 27 November 2022, Kielce, Poland



The organizers:

- Kielce University of Technology Faculty of Environmental, Geomatic and Energy Engineering (Poland);
- Kozsalin University of Technology Faculty of Civil Engineering, Environment and Geodetic Sciences (Poland);
- Institute of Engineering Thermophysics National Academy of Sciences of Ukraine (Ukraine);
- The European Academy of Education and Science (Poland);
- National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (Ukraine)
- University of Zagreb Faculty of Metallurgy (Croatia);
- University of Žilina Department of Power Engineering (Slovakia)
- Vilnius Gediminas Technical University (Lithuania)

Scientific and organizing committee of the conference:

Co-organizers (scientific committee):

- **Prof. doctor of science Anatoliy Pavlenko** – Head of Department of Building Physics and Renewable Energy, Kielce University of Technology, Poland;
- **Prof. PŚk doctor of science Lidia Dąbek** – Scientific Director of the Discipline Environmental Engineering, Mining and Energy, Kielce University of Technology, Poland;
- **Prof. doctor of science Aleksander Szkarowski** - Head of Department of Construction Networks and Systems, Kozsalin University of Technology, Poland;
- **Prof. doctor of science Hanna Koshlak** – Department of Building Physics and Renewable Energy, Kielce University of Technology, Poland;
- **Prof. doctor of science Engvall Klas** – KTH, Sweden;
- **Prof. doctor of science Ladislav Lazić** - Faculty of Metallurgy University of Zagreb, Croatia;
- **Prof. doctor of science Milan Malcho** – Head of Department of Power Engineering, Slovakia;
- **Doctor of science Andrej Kapjor** – Department of Power Engineering, Slovakia;
- **Prof. doctor of science, Corresponding Member of NAS of Ukraine Borys Basok** - Head of Department "Thermophysical Basics of Energy-Saving Technologies" Institute of Engineering Thermophysics National Academy of Sciences of Ukraine, Ukraine;
- **Doctor of science Helen Skop** - Smart heat corporation, USA;
- **Prof. Doctor of science Violeta Motuzienė** Vilnius Gediminas Technical University, Lithuania;
- **Prof. Doctor of science Zongming Yang** Jiangsu university of science and technology, China;
- **Prof. doctor of science Valerii Deshko** - National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine

Papers of authors can be published in journals:

"Енергетика: економіка, технології, екологія" <https://kpi.ua/publication-en>

„Journal of New Technologies in Environmental Science” jntes.tu.kielce.pl (DOAJ)

"Rocznik Ochrona Środowiska" ([Web of Science \(Clarivate\)](#), [Scopus \(Elsevier\)](#))

"Energies/Latest Research of Building Heat and Mass Transfer" (Q1), ([Web of Science \(Clarivate\)](#), [Scopus \(Elsevier\)](#))

"Materials/ Special Issue "Heat and Mass Transfer in Porous Materials" (Q1), ([Web of Science \(Clarivate\)](#), [Scopus \(Elsevier\)](#))

"Power engineering: research, equipment, technology" ([DOAJ](#))

"Thermophysics and Thermal Power Engineering" www.ihe.nas.gov.ua

You can send your articles to us at jntes@tu.kielce.pl with the name of the journal in which you want to publish the article. Review will be carried out by the scientific committee of the conference.

CONFERENCE PROGRAMME

Regulations:

in the plenary – to 20 min.;

at the meetings sectional –10-15 min.;

speaking –to 5 min.

The general program of the Conference	Time	Place	Moderator
Registration of participants	24 November 2022 10:00-10:45		The Organizing Committee
This opening session, plenary session	25 November 2022 11:00-12:00	4.09 E	Prof. doctor of science Anatoliy Pavlenko Prof. doctor of science Aleksander Szkarowski Prof. doctor of science Violeta Motuzienė Prof. doctor of science Borys Basok Prof. doctor of science Ladislav Lazić Prof. doctor of science Milan Malcho Prof. doctor of science Valerii Deshko Prof. doctor of science Hanna Koshlak Prof. doctor of science Lidia Dąbek
Actual problems of building physics	25 November 2022 12:30-14:00	1.15 E	Prof. doctor of science Valerii Deshko
Actual problems of environmental engineering and ecology	25 November 2022 12:30-14:00	1.20 E	Prof. doctor of science Hanna Koshlak
Actual problems of thermal and renewable energy	25 November 2022 12:30-14:00	1.08 E	Prof. doctor of science Anatoliy Pavlenko Prof. doctor of science Violeta Motuzienė
Actual problems fundamental heat and mass transfer	25 November 2022 12:30-14:00	1.09 E	Prof. doctor of science Ladislav Lazić Prof. doctor of science Lukasz Orman
Theoretical foundations of thermal machines	25 November 2022 12:30-14:00	2.19 E	Prof. doctor of science Lidia Dąbek Prof. doctor of science Milan Malcho
Actual problems of quantitative assessment of the low-carbon energy and industry	25 November 2022 12:30-14:00	2.20 E	Prof. doctor of science Aleksander Szkarowski
Thermophysics of the interaction of a building with the environment	25 November 2022 12:30-14:00	1.14 E	Prof. doctor of science Borys Basok
Continued work of section	26 November 2022 12:30-14:00		The section moderators
Discussion	26 November 2022 14:15-15:30		The section moderators
Summary and the closing of the conference,	27 November 2022 16:00	4.09 E	The Organizing Committee