



V International Scientific-Technical Conference



ACTUAL PROBLEMS OF RENEWABLE ENERGY, CONSTRUCTION AND ENVIRONMENTAL ENGINEERING

3 – 5 June 2021, Kielce, (Poland, Ukraine, Croatia, Slovakia, Sweden, Russia)

The time and place of the meeting: 3 – 5 June 2021.

Faculty of Environmental, Geomatic and Energy Engineering, Kielce University of Technology, Poland.

al. Tysiąclecia Państwa Polskiego 7, 25-314 Kielce

Beginning of conference – 3 June 2021 in 10:00.

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Conference languages: Polish, English, Ukrainian, Russian

Conference Chairs:

Anatoliy Pavlenko

prof. doctor of science 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

3-5 June 2021, Kielce, Poland



The organizers:

- Kielce University of Technology Faculty of Environmental, Geomatic and Energy Engineering (Poland);
- Koszalin University of Technology Faculty of Civil Engineering, Environment and Geodetic Sciences (Poland);
- Ivano-Frankivsk National Technical University of Oil and Gas (Ukraine);
- The European Academy of Education and Science (Ukraine - Poland);
- KTH Royal Institute of Technology, Department of Chemical Engineering (Sweden)
- University of Zagreb Faculty of Metallurgy (Croatia);
- National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (Ukraine)
- University of Žilina Department of Power Engineering, (Slovakia)
- Saint Petersburg State University of Architecture and Civil Engineering (Russia)
- Kazan State Power Engineering University (Russia)

Scientific and organizing committee of the conference:

Co-organizers (scientific committee):

- **Prof. doctor of science Anatoliy Pavlenko** – Department of Building Physics and Renewable Energy, Kielce University of Technology (Poland);
- **Prof. PŚk doctor of science Lidia Dąbek** – Dean of Faculty of Geomatic and Energy Engineering, Kielce University of Technology (Poland);
- **Prof. doctor of science Aleksander Szkarowski** - Head of Department of Construction Networks and Systems, Koszalin 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** - Institute of Engineering Thermophysics National Academy of Sciences of Ukraine (Ukraine);
- **Doctor of science Helen Skop** - Smart heat corporation (USA);
- **Academician of the NAS of Ukraine Yevstakhii Kryzhanivskiy** Ivano–Frankivskiy National Technical University of Oil and Gas (Ukraine);
- **Prof. doctor of science Valerii Deshko** - National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (Ukraine)
- **Prof. doctor of science Vera Ulyasheva** – Faculty of environmental engineering and municipal services, Saint Petersburg State University of Architecture and Civil Engineering (Russia)
- **Prof. doctor of science Malik Ziganshin** – Department of Heat Power Stations of the Heat Power Engineering Institute, Kazan State Power Engineering University (Russia)

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 \(Elsevier\)](#))
- "Rudarsko-geološko-naftni zbornik " ([Scopus \(Elsevier\)](#))
- "Architecture and Engineering ([Scopus \(Elsevier\)](#))
- "Materials/ Special Issue Heat and Mass Transfer in Porous Materials" ([Web of Science \(Clarivate\)](#), [Scopus \(Elsevier\)](#))
- "Power engineering: research, equipment, technology" ([DOAJ](#))

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	3 June 2021 10:00-10:45		The Organizing Committee
This opening session, plenary session	4 June 2021 11:00-12:00		Prof. doctor of science Anatoliy Pavlenko Prof. doctor of science Aleksander Szkarowski Prof. doctor of science Engvall Klas Prof. doctor of science Yevstakhii Kryzhanivskiy Prof. doctor of science Borys Basok Prof. doctor of science Ladislav Lazić Prof. doctor of science Milan Malcho Prof. doctor of science Valerii Deshko
Actual problems of building physics	4 June 2021 12:30-14:00		Prof. doctor of science Valerii Deshko Prof. doctor of science Lidia Dąbek
Actual problems of environmental engineering and ecology	4 June 2021 12:30-14:00		Prof. doctor of science Hanna Koshlak Prof. doctor of science Vera Ulyasheva
Actual problems of thermal and renewable energy	4 June 2021 12:30-14:00		Prof. doctor of science Anatoliy Pavlenko Prof. doctor of science Engvall Klas
Actual problems fundamental heat and mass transfer	4 June 2021 12:30-14:00		Prof. doctor of science Ladislav Lazić Prof. doctor of science Lukasz Orman
Theoretical foundations of thermal machines	4 June 2021 12:30-14:00		Prof. doctor of science Borys Basok Prof. doctor of science Milan Malcho
Actual problems of quantitative assessment of the low-carbon energy and industry	4 June 2021 12:30-14:00		Prof. doctor of science Malik Ziganshin Prof. doctor of science Aleksander Szkarowski
Continued work of section	5 June 2021 12:30-14:00		The section moderators
Discussion	5 June 2021 14:15-15:30		The section moderators
Summary and the closing of the conference,	5 June 2021 16:00		The Organizing Committee