

IV International Scientific-Technical Conference



ACTUAL PROBLEMS OF RENEWABLE POWER ENGINEERING, CONSTRUCTION AND ENVIRONMENTAL ENGINEERING

6-8 February 2020, Kielce, (Poland, Ukraine, Croatia, Slovakia, Sweden, USA)

The time and place of the meeting: 6 – 8 February 2020.

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

al. Tysiąclecia Państwa Polskiego 7, 25-314 Kielce

Beginning of conference – 6 February 2020 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 Sanitary
Network and Systems, Koszalin University of Technology

6-8 February 2020, 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)
- SMART HEAT CORPORATION, Skokie, Illinois (USA)
- University of Žilina Department of Power Engineering, (Slovakia)

Scientific and organizing committee of the conference:

Co-organizers (scientific committee):

- **Prof. PŚk doctor of science Lidia Dąbek** – Dean of Faculty of Geomatic and Energy Engineering, Kielce University of Technology (Poland);
- **Prof. doctor of science Anatoliy Pavlenko** – Department of Building Physics and Renewable Energy, Kielce University of Technology (Poland);
- **Prof. PK doctor of science Wiesława Głodkowska** – Dean of Faculty of Civil Engineering, Environment and Geodetic Sciences, Koszalin University of Technology (Poland);
- **Prof. doctor of science Aleksander Szkarowski** Faculty of Civil Engineering, Environment and Geodetic Sciences, 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 Oleg Mandryk** - Ivano-Frankivsk National Technical University of Oil and Gas (Ukraine);
- **Doctor of science Helen Skop** - Smart heat corporation (USA)
- **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
- "Structure and Environment" www.sae.tu.kielce.pl
- "Rocznik Ochrona Środowiska"
- "Rudarsko-geološko-naftni zbornik "
- "Jordan Journal of Mechanical and Industrial Engineering"

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–do 5 min.

The general program of the Conference	Time	Place	Moderator
Registration of participants	6, 7 February 2020 10:00-10:45	Room 212E	The Organizing Committee
This opening session, plenary session	7 February 2020. 11:00-12:00	Room 4.09E	Prof. doctor of science Lidia Dąbek Prof. doctor of science Anatoliy Pavlenko Prof. doctor of science Wiesława Głodkowska Prof. doctor of science Aleksander Szkarowski Prof. doctor of science Engvall Klas Prof. doctor of science Ladislav Lazić Prof. doctor of science Milan Malcho Prof. doctor of science Valerii Deshko
Coffee Break	7 February 2020 12:15-12:30	Bufet	-
Actual problems of building physics	7 February 2020. 12:30-14:00	Room 115E	Prof. doctor of science Valerii Deshko Prof. doctor of science Jerzy Zb. Piotrowski
Actual problems of environmental engineering and ecology	7 February 2020 12:30-14:00	Room 114E	Prof. doctor of science Hanna Koshlak Prof. doctor of science Aleksander Szkarowski
Actual problems of thermal and renewable energy	7 February 2020 12:30-14:00	Room 109E	Prof. doctor of science Anatoliy Pavlenko Prof. doctor of science Engvall Klas
Actual problems fundamental heat and mass transfer	7 February 2020 12:30-14:00	Room 4.09E	Prof. doctor of science Ladislav Lazić Doctor of science Helen Scop
"Modern geodesy and GIS"	7 February 2020 12:30-14:00	Room 108E	Doctor of science Ihor Romanyshyn, Doctor of science Maciej Hajdukiewicz
Dinner	7 February 2020 14:15-15:00	Bufet	-
Continued work of section	7 February 2020 15:00-16:15	Room 115,E 114E, 109E	The section moderator
Discussion	7 February 2020 16:15-16:30	Room 115,E 114E, 109E	The section moderator
Summary and the closing of the conference,	7 February 2020 16:30	Room 409E	The Organizing Committee
Excursion, departure of guests	8 February 2020 8:30		The Organizing Committee