

Session Program

10-13 Sept 2023

**Computational Problems of Electrical
Engineering 2023**

Industrial Applications

Tuesday 12 September

09:00

Industrial Applications: Industrial Applications (5)

Session | **Location:** Chłodna 16, 33-330 Grybów | **Convener:** Krzysztof Siwek

09:00–09:20

Verification of the effect of hot springs on arteriosclerosis based on the mathematical model of arteriosclerosis onset II: in case of weak radioactive springs

Speaker

Prof. Hiroyuki Kagami

09:20–09:40

Building model of processing and identifying engine vibration signal

Speaker

Linh H. Tran

09:40–10:00

Development of a UAV-based System for Technical Diagnostics of Overhead Power Lines

Speaker

Dmitro Trushakov

10:00–10:20

An improved model of hardening gear wheels and determining the electrical efficiency of the process

Speaker

Prof. Ivo Doležel

10:20–10:40

Extruder Design for 3D Printing of Ceramic Materials

Speaker

Dr Karel Slobodnik

10:40

Wednesday 13 September

09:30

Industrial Applications: Industrial Applications (4)

Session | **Location:** Chłodna 16, 33-330 Grybów | **Convener:** Jacek Starzyński

09:30–09:50

Some issues and implementation problems for digital substations in Mongolia

Speakers

Ms Nomin Lkhagvasuren, Prof. Zagdkhorol Bayasgalan

09:50–10:10

A special chamber for testing electromagnetic emissions in the near field zone

Speaker

Krzysztof Trzcinka

10:10–10:30

Intelligent Analyzing Module in the Academic Staff Performance Appraisal System

Speaker

Andrii Simak

10:30–10:50

The concept of a cheap universal capacitive partial discharge sensor

Speaker

Paweł Kluge

10:50