Session Program

10–13 Sept 2023

Computational Problems of Electrical Engineering 2023

Poster Session

Tuesday 12 September

10:40

Poster Session: Poster Session
Session | **Location:** Chłodna 16, 33-330 Grybów | **Convener:** Bartosz Sawicki

10:40–11:00

Prediction of athletes' performance results using machine learning algorithms

Speaker

Radosław Roszczyk

10:40–11:00 **Recognizing User Emotion Based on Keystroke Dynamics**

Speaker

Zuzanna Krawczyk-Borysiak

10:40–11:00 **Discovering Rules with Convolutional Neural Networks**

Speaker

Dr Bartek Chaber

10:40–11:00 **Analysis of Event-Related Potentials for Emotion Recognition**

Speaker

Andrzej Majkowski

11:00–11:20

Study of the dynamics of arc length regulation of an arc furnace based on the fuzzy impedance-admittance law

Speakers

Оксана Гоголюк, Prof. Yaroslav Paranchuk

11:00–11:20 **Capacitive measurement of infusion fluid volume**

Speaker

Bogdan Dziadak

11:00–11:20 **Application of wavelet transform in analysis of cough sound records**

Speaker

Milan Smetana

11:00–11:20

Using computer simulations to identify the source of electromagnetic disturbances occurring in the high-current laboratory

Speaker

Jan Sroka

11:20–11:40 **Fast electromagnetic field solver for transient antenna simulations**

Speakers

Dr Bartek Chaber, Prof. Jacek Starzyński, Mr Wiktor Łodyga

11:20–11:40

Scale system for on-line measurement and detection of the low level intravenous infusion fluid–development study

Speaker

Adam Jóśko

11:20–11:40

Evaluation of Artificial Notches in Conductive Biomaterials by Sweep Frequency Eddy Current Testing

Speaker

Milan Smetana

11:20–11:40 **Short-circuit current evaluation with the aid of static compensators**

Speaker

Mr Andrzej Toboła

11:20–11:40

Basic model for verification of the simulation methodology of the analysis of EFT/Burst transient disturbances

Speaker

Piotr Zych

11:40–12:00 **Collision chemistry impact on Townsend's avalanche development**

Speaker

Wiktor Łodyga

11:40–12:00

Modelling and simulation of radiofrequency electromagnetic field interaction with male uro-genital system

Speaker

Daniela Gombárska

11:40–12:00 **Procedural Generation of Virtual Cities**

Speaker

Izabella Antoniuk

11:40–12:00 **Methods of hiding information based on steganographic profiles**

Speaker

Artur Krupa

11:40–12:00

Facial recognition system based on the Haar cascade classifier method

Speaker

Ms Ivanna Vasylchyshyn

12:10