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FACULTY OF
MEDICAL BIOENGINEERING

The Scientific Committee of the 10th IEEE International Conference on E-HEALTH AND BIOENGINEERING

has the pleasure to offer

FIRST PRIZE

to

Valeriia TRUKHAN

Authors:

Valeriia Trukhan, Lenka Horakova, Josef Skola and Martin Rozanek

For their paper:

Effect of pressure reactivity index calculation settings on the range of the optimal cerebral perfusion pressure.

Prof. Hariton COSTIN
General Chair of EHB 2022



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SECOND PRIZE

to

Andrei-Iulian ROMAN

Authors:

Andrei-Iulian Roman, Marian-Silviu Poboroniuc, Danut-Constantin Irimia, Teodora Piseru and Emanuel-Andrei Piseru

For their paper:

Clinical Tests of a New Device Aiming to Assess and Rehabilitate the Hand in Stroke People.

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THIRD PRIZE

to

Laura Elena DOROBANȚU

Authors:

**Laura Elena Dorobanțu, Ruxandra Paraschiv, Titi Paraschiv,
Florin Ciprian Argatu, Cosmin Banica and Felix Constantin Adochiei**

For their paper:

***The Localization of the Epileptogenic Zone from the Interictal
Electroencephalogram***

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MENTION

to

Oana-Isabela ȘTIRBU

Authors:

Oana-Isabela Știrbu, Serban Teodor Nicolescu, George Calin Seritan,
Ioana Raluca Adochiei, Gladiola Petroiu, Florin Argatu,
Felix-Constantin Adochiei

For their paper:

*Radiological Diagnosis of SARS-CoV-2 Infected Patients by Automated
Classification of Chest Radiographs using DTL*

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MENTION

to

Tahreem TANWEER

Authors:

**Tahreem Tanweer, Nosheen Fatima Rana, Muhammad Jawad Khan,
Iqra Saleem, Shabia Azhar, Iqra Shafique and Farid Mena**

For their paper:

Transition Metal Doped Zinc Oxide Nanoparticles Ameliorates Antibacterial Potential of Dental Resin Composite in a Closed System In-vitro Biofilm Model.

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MENTION

to

Shinjiro YAMAMASU

Authors:

Shinjiro Yamamasu and Yuki Hayashida

For their paper:

Epileptic Electroencephalogram Signal Detections with Patient-Specific Quantized Convolution Neural Network Models on the Edge TPU device.

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MENTION

to

Daniele PADOVANO

Authors:

**Daniele Padovano, Arturo Martinez-Rodrigo,
Jose Manuel Pastor Garcia, Jose Joaquin Rieta and
Raul Alcaraz Martínez**

For their paper:

Machine Learning Methods to Detect Obstructive Sleep Apnea under a Robust Testing Framework.

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MENTION

to

Constantin LAȘMANSCHII

Authors:

Constantin Lașmanschii, Alexandru Micu, Alexandr Ermicev

For their paper:

Air Disinfection System SDMA UVAC-250 NON-OZONE.

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MENTION

to

Maria PAIU

Authors:

Maria Paiu, Lidia Favier, Raluca-Maria Hlihor and Maria Gavrilescu

For their paper:

Investigation of the Photocatalytic Degradation Efficiency of a Refractory Organic Pollutant using a Phytotoxicological Approach.

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MENTION

to

Leos TEJKL

Authors:

Leos Tejkl, Michal Kucera, Petr Kudrna and Jakub Rafl

For their paper:

System for automatic pressure control as an alternative to the infusion pressure cuff.

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MENTION

to

Maryam OUHAMI

Authors:

**Maryam Ouhami, Youssef Es-Saady, Mohammed El Hajji,
Raphael Canals and Adel Hafiane**

For their paper:

***Meteorological Data and UAV Images for the Detection and Identification of
Grapevine Disease Using Deep Learning.***

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MENTION

to

Alina-Alexandra CIOBANU

Authors:

**Alina-Alexandra Ciobanu, Amina Soudani, Leila Youcef and
Laura Bulgariu**

For their paper:

Optimization of Experimental Parameters for Co(II) Ions Biosorption onto Algae Biochars.

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MENTION

to

Isabella NACU

Authors:

Teodora Baiu, Isabella Nacu, Loredana Elena Niță and Liliana Vereștiuc

For their paper:

3D Bioprinted methacrylated gelatin-based scaffolds.

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Special prize of Romanian Society of Medical
Bioengineering

to

Shahin AMIRIPARIAN

Authors:

**Maurice Gerczuk, Anton Batliner, Shahin Amiriparian,
Andreas Triantafyllopoulos, Franziska Heyne, Marie Klockow,
Thomas Hummel and Björn Schuller**

For their paper:

The Influence of Pleasant and Unpleasant Odours on the Acoustics of Speech.

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