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MEDICAL BIOENGINEERING

The Scientific Committee of the IEEE International E-HEALTH AND BIOENGINEERING

has the pleasure to offer

YOUNG RESEARCHER FIRST PRIZE

To

Jesús Cano, Lorenzo Fácila, Philip Langley, Roberto Zangróniz,
Raul Alcaraz Martínez and Jose Joaquin Rieta

For their paper

Application of Deep Neural Network Models for Blood
Pressure Classification Based on Photoplethysmographic
Recordings

General Chair of EHB 2021
Prof. Hariton COSTIN

Dean, Faculty of Medical Bioengineering
Prof. Anca Galaction





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YOUNG RESEARCHER SECOND PRIZE

To

Lenka Horakova, Petr Kudrna and Karel Roubik

For their paper

**Dynamic Changes of Perfusion Index During
Hypoxemia and Hypercapnia in Outdoor Experiments**

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YOUNG RESEARCHER THIRD PRIZE

To

Oana Andreea Chiriac, Doina Bucur, Mazen Elfarra and Yaren Şachir

For their paper

**Analysis and Evaluation of Hip Disarticulation
Prosthesis Based on Computerized Metrics. Case Study**

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YOUNG RESEARCHER MENTION

To

Manuel Pérez-Pelegrí, Josep Puig and Juan Sebastián Ruiz-Constantino

For their paper

Acute infarct volume prediction based on CT perfusion
metrics derived from an automated software package
using machine learning models

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To

Vasilachi Ionela Cătălina, Minuț Mariana, Bețianu Camelia and Gavrilescu Maria

For their paper

**Investigation of the Toxic Effects of Lead on Maize
Germination and Growth (Zea Mays)**

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To

**Alexandra Croitoriu, Loredana Elena Niță, Alina Gabriela Rusu,
Andrei Cimponeriu and Aurica Chiriac**

For their paper

Supramolecular Gels Based on Amino Acids

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SPECIAL PRIZE OF THE ROMANIAN SOCIETY OF MEDICAL BIOENGINEERING

To

Laura Chirilă, Darius-Luca Cristea and Ovidiu Baniuş

For their paper

CXR-based diagnosis of COVID-19 using Deep
Learning with CycleGAN for Data Augmentation

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