



International Innovation and Invention Show
EURO POLITEHNICUS 2025



THE ITC&E AWARD

National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova



President,
Mihnea Costoiu

Vice President,
Augustin Semenescu

President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus



EELISA

HP

euro
news

C
cluster



International Innovation and Invention Show
EURO POLITEHNICUS 2025

First Prize

Provided by

BCR 

4000 €



President,
Mihnea Costoiu



Vice President,
Augustin Semenescu



President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus





ELISA



EURO
news

cluster



International Innovation and Invention Show
EURO POLITEHNICUS 2025

GOLD MEDAL DIPLOMA



National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova

PREDICTIVE METHOD AND SYSTEM FOR DETERMINING THE OPERATING CONDITION IN BIG-BLASTER
AIR CANNONS AND MICRO-CANNONS . No.23464004.3-1001/13.03.2023/ EPO Munich -
European Patent application: No. a/2022 00818/16.12.2022 / OSIM Bucuresti - Romanian Patent application

Authors:

Teisanu Florin, Chelan Constantin, Butoi Marinela, Patru Ion, Iordache Ioan, Nicola Claudiu, Nicola Marcel

President,
Mihnea Costoiu

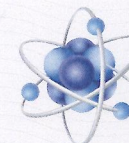
Vice President,
Augustin Semenescu

President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus



International Innovation and Invention Show
EURO POLITEHNICUS 2025

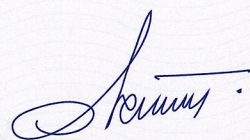
GOLD MEDAL DIPLOMA

National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova

COMPRESSED AIR COOLING
DEVICE . No.131145B1 / 29.11.2022 OSIM Bucuresti

Authors:

Teisanu Florin, Chelan Constantin, Duta Marian, Patru Ion



President,
Mihnea Costoiu



Vice President,
Augustin Semenescu



President,
Adrian Badea

21-23 November 2025
Bucharest, Romania

EURO
Politehnicus



EELISA

HP

euro
news

cluster





ELISA

HP

euro
news

cluster



International Innovation and Invention Show
EURO POLITEHNICUS 2025

GOLD MEDAL

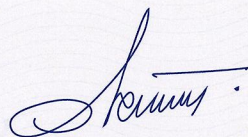
DIPL MA

National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova

HIGH FREQUENCY ROTARY TRANSFORMER . RO137480A0/
Patent application No. a 2022 00789/2022

Authors:

Adrian Vintilă; Andrei Marinescu; Petre Pistol; Marcel Nicola; Claudiu Nicola



President,
Mihnea Costoiu



Vice President,
Augustin Semenescu

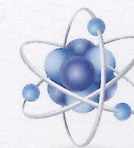


President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus



International Innovation and Invention Show
EURO POLITEHNICUS 2025

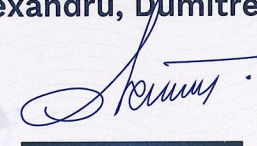
GOLD MEDAL DIPLOMA

National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova

ADAPTIVE SYSTEM DESIGNED TO ENSURE ELECTRIC POWER QUALITY IN LOW VOLTAGE NETWORKS.
Patent RO 132402B1/28.08.2020

Authors:

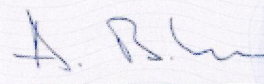
Sacerdoțianu Dumitru, Nicola Marcel - ICMET Craiova; Ivanov Sergiu, Ciontu Marian - University of Craiova;
Chindriș Mircea Dorin, Cziker Andrei Cristinel - Technical University of Cluj-Napoca;
Radu Alexandru, Dumitrescu Camil-Sorin - S.C. INDALTRAC S.A. Craiova



President,
Mihnea Costoiu



Vice President,
Augustin Semenescu



President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus



ESLISA

HP

euro
news

cluster





ESLISA

HP

euro
news

cluster



International Innovation and Invention Show
EURO POLITEHNICUS 2025

GOLD MEDAL DIPLOMA



National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova

CONTINUOUS MONITORING AND DIAGNOSTICS SYSTEM FOR
THE 220V.D.C. STATIONARY BATTERY FROM TRANSFORMER STATIONS

Authors:

**Dumitru SACERDOȚIANU, Ancuța-Mihaela ACIU, Fevronia-Despina ROMAN,
Adrian VINTILĂ, Camelia MARINESCU, Florin TEIȘANU, Constantin CHELAN, Miruna POPA**

President,
Mihnea Costoiu

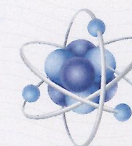
Vice President,
Augustin Semenescu

President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus



International Innovation and Invention Show
EURO POLITEHNICUS 2025

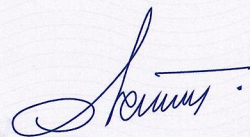
GOLD MEDAL DIPLOMA

National Institute for Research-Development and Testing in Electrical Engineering - ICMET Craiova

MONITORING METHOD AND SYSTEM FOR THE SAG OF OVERHEAD
POWER TRANSMISSION LINES CONDUCTORS

Authors:

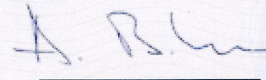
**Sacerdoțianu Dumitru, Nicola Marcel, Vintila Adrian, Nicola Claudiu, Patru Ion,
Chelan Constantin, Roman Despina, Marinescu Camelia, Nitu Cristina, Iovan Daniela, Aciu Ancuta-Mihaela**



President,
Mihnea Costoiu



Vice President,
Augustin Semenescu

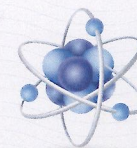


President,
Adrian Badea

21-23 November 2025
Bucharest, Romania



EURO
Politehnicus



ESLISA

HP

euro
news

cluster

