

6-8 June 2024
Palace of Culture - Iași



EUROINVENT

EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION

**>400
inventions
from
>30 countries**

www.euroinvent.org

16th edition of EUROINVENT 2024

EUROINVENT - European Exhibition of Creativity and Innovation was held on site. At EUROINVENT we had the honor to have over 640 registrations from 34 countries. The EUROINVENT Festival was officially opened on 6th of June and closed on 8th of June 2024.

ORGANISERS



EUROPE DIRECT
Iasi



Romanian Inventors Forum



Alexandru Ioan Cuza
University of Iasi



Gheorghe Asachi Technical
University of Iasi

Under the aegis of



**UNDER THE PATRONAGE OF
MINISTRY OF RESEARCH, INNOVATION AND DIGITIZATION**



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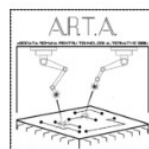
Academia de Stiinte
Tehnice din Romania
Technical Sciences
Academy of Romania



VERDER
scientific



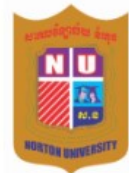
GÜHRING



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THE PATENT™

Invention Magazine



EUROINVENT means:

- INVENTIONS, TECHNOLOGIES & RESEARCH EXHIBITION
- INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH
- TECHNICAL-SCIENTIFIC ARTISTIC AND LITERARY BOOK SALON
- EUROPEAN VISUAL ART EXHIBITION
- WORKSHOPS

EUROINVENT

European Exhibition of Creativity and Innovation

The EUROINVENT opening was moderated by **Andrei Victor SANDU** - *President of Romanian Inventors Forum* and took place in the presence and with the opening speech of:

- **Mr. Mihai CHIRICA** - Mayor of Iasi City
- **Prof. Dan CASCAVAL** - Rector of Gheorghe Asachi Technical University of Iasi
- **Prof. Tudor PRISECARU** - State Secretary - Ministry of Research, Innovation and Digitalization
- **Prof. Andrei ALEXANDRU** - State Secretary - Ministry of Research, Innovation and Digitalization
- **Mr. Prof. Petrică VIZUREANU** - Chairman of ICIR EUROINVENT

The official foreign delegates were invited after this on stage to receive the Ambassador of Innovation award for supporting the creativity from Croatia, Malaysia, Poland, Iran, Iraq, India, Taiwan, Moldova, Vietnam, Bulgaria and not only, mentioning some of the distinguished special guests: Neven MARKOVIC, Mohd Mustafa Al Bakri ABDULLAH, Unchanlee SUANGPONG, Marcin NABIALEK, Mehdi RAJABINIA, Eddie HSIEH, Dimka FACHIKOVA, Mihail BALAN, Anastasiia VENCHKOVSKA, Raman Teja VENIGALLA, Omar SHALAL and others.



EUROINVENT® INVENTIONS EVALUATION CHART

Jury member name: _____ Signature _____

	Invention no. / Country	Class	Novelty	Usefulness	Design	Low cost	WOW factor	Evaluation	Recommendation Award Gold/Silver/Bronze Medal
1	2	3	4	5	6	7	8	9	10
1									
2									

Please evaluate novelty, usefulness, design, low cost and WOW factor of each invention with:

1 (poor) - 2 (normal) - 3 (average) - 4 (good) - 5 (excellent)

Average score = column 9 = (4+5+6+7+8)/5

Bronze medal	Silver Medal	Gold Medal	Award
~2	3	4	>4

Award recommendations: Grand Prize, Medicine Award, Green Environment, Youngest Inventor, Oldest Inventor, The Woman Inventor, Best Design Award, Other Special Award, Foreign Delegation Award.

The Jury was formed by specialists in various branches. Each project was evaluated by two Jury members - one Romanian and the other International. All registrations were analyzed according to the Evaluation Chart on the following criteria: Novelty, Usefulness, Design, Low cost and WOW factor. The Specialist could also use other criteria as: Originality of the innovation, Scientific return/opportunities, Project feasibility, Potential users/ applications, Risk management, Market opportunities/ Threats, Social & economical impact.



The 2024 Edition held a moment of silence in the memory of Professor Emeritus Phys. PhD. Octavian Ioan BALTAG and Professor Emeritus Dr. Habil. PhD. Constantin SPÎNU.

The inventions and research projects were awarded with medals, awards or special prizes from the official delegates.

INVENTIONS, TECHNOLOGIES & RESEARCH EXHIBITION

ICIR INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH

Technical-Scientific Artistic and Literary BOOK SALON

European Visual Art EXHIBITION

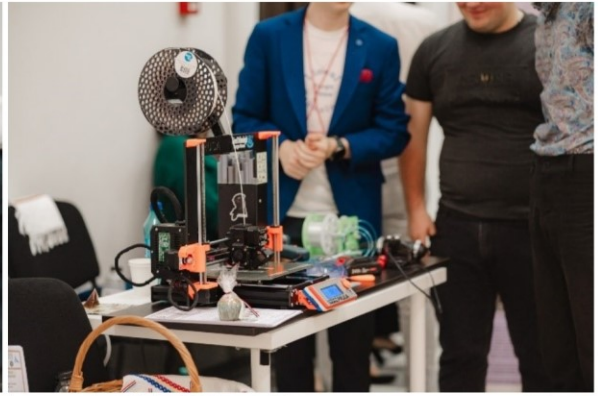
INTERNATIONAL WORKSHOP
Scientific, Technological and Innovative Research in Current European Context

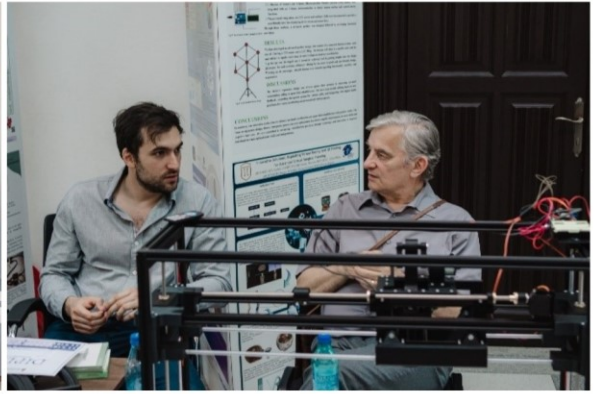
www.euroinvent.org
euroinvent@yahoo.com

During three days, many artistic moments were performed, next to Book Salon Award Ceremony - where the Book Jury Members have evaluated scientific publications from the last two years and awarded them with Bronze/Silver/Gold medals and Special Prize.

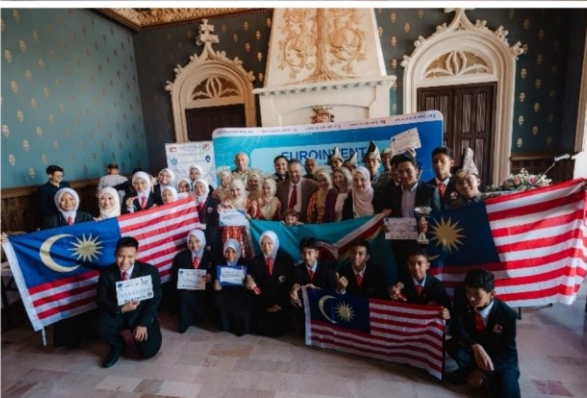


Diversity and Innovation united for peace and prosperity!









STATISTICS

Total number of the Exhibited inventions and Project

648

Total number of Judged registrations

610

Total number of participating countries

34

Bulgaria, Cambodia, Canada, China, Croatia, Cyprus, Czech Republic, Germany, Egypt, India, Indonesia, Iran, Kazakhstan, Korea, Japan, Lebanon, Macau, Malaysia, Moldova, Mongolia, Morocco, North Macedonia, Philippines, Poland, Romania, Saudi Arabia, Sri Lanka, Taiwan, Thailand, Turkey, **Ukraine, United States of America, Vietnam**

Total number of visitors

10.000

Percentage of international inventions

46%

Percentage of national inventions

54%

EXHIBITS CLASSIFICATION

- | | |
|--|--|
| 1. Environment - Pollution Control | 9. Chemical and Textile Industry |
| 2. Energy and sustainable development | 10. Information Technology and Communication |
| 3. Agriculture and Food Industry | 11. Printing and advertising |
| 4. Medicine - Health Care - Cosmetics | 12. Safety, protection and rescue of people |
| 5. Industrial and laboratory equipments | 13. Sports, Games and Leisure |
| 6. Mechanical Engineering - Metallurgy | 14. Other |
| 7. Buildings and Materials | X. Innovative Research |
| 8. Aviation, car industry and transportation | |



EUROINVENT

“Where great ideas talk about our future”



ICIR EUROINVENT 2024

International Conference on Innovative Research

6-7 of JUNE 2024 - 10th edition ICIR EUROINVENT

EUROINVENT International Conference on Innovative Research (ICIR) brings yearly leading researchers, engineers and scientists who present actual research results in the field of Materials Science and Engineering.

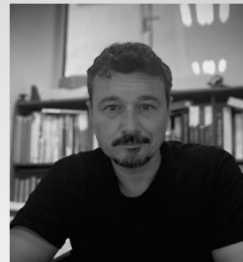
The conference aims to provide a high level international forum for researchers, engineers and scientists to present their new advances and research results in the field of materials science and engineering.

The Conference was opened with the welcome speeches from the organizers, followed by Keynote Speaker Sessions of some outstanding scientists in the field of Materials Science.



Julieta V. Rao

Professor PhD.
Institute of the Structure of Matter,
Italian National Research Council, Rome, ITALY



Carlos THOMAS

Professor PhD.
Universidad de Cantabria, SPAIN



António GASPAR-CUNHA

Associate Professor PhD. Habil.
Department of Polymer Engineering, School of Engineering,
University of Minho, PORTUGAL



Camilo ZAMORA-LEDEZMA

Professor PhD
Universidad Católica de Murcia, SPAIN



Radu Claudiu FIERASCU

Senior Researcher PhD
National Institute for Research & Development in Chemistry
and Petrochemistry – ICECHIM Bucharest, ROMANIA



Mohamad Anuar KAMARUDDIN

Assoc. Professor PhD
Environmental Technology Division, School of Industrial Technology, Universiti Sains MALAYSIA

KEYNOTE SPEAKERS

INVITED SPEAKERS

ICIR EUROINVENT 2024

International Conference on Innovative Research

Organized by:

- ▲ Faculty of Materials Science and Engineering, The “Gheorghe Asachi” Technical University of Iasi, Romania
- ▲ Romanian Inventors Forum
- ▲ ARHEOINVEST Platform, Alexandru Ioan Cuza University of Iasi
- ▲ Centre of Excellence Geopolymer and Green Technology (CEGeoGTech), Universiti Malaysia Perlis (UniMAP)
- ▲ Department of Physics, Czestochowa University of Technology, Częstochowa, Poland
- ▲ National Institute for Research and Development in Environmental Protection INCPDM

With support of:

- ▲ International Federation of Inventors' Associations - IFIA
- ▲ World Invention Intellectual Property Associations



Accepted papers from EUROINVENT 2024 are published in:

- Springer Proceedings in Materials
- Materials, Coatings, Crystals, Applied Sciences, Micromachines & Magnetochemistry (MDPI, Q1&Q2)
- Archives of Metallurgy and Materials
- European Journal of Materials Science and Engineering
- International journal of Conservation Science

These covers the entire range of basic and applied aspects of the synthesis and characterization, modeling, processing and application of advanced engineering materials.

The topics of the conference were the followings:

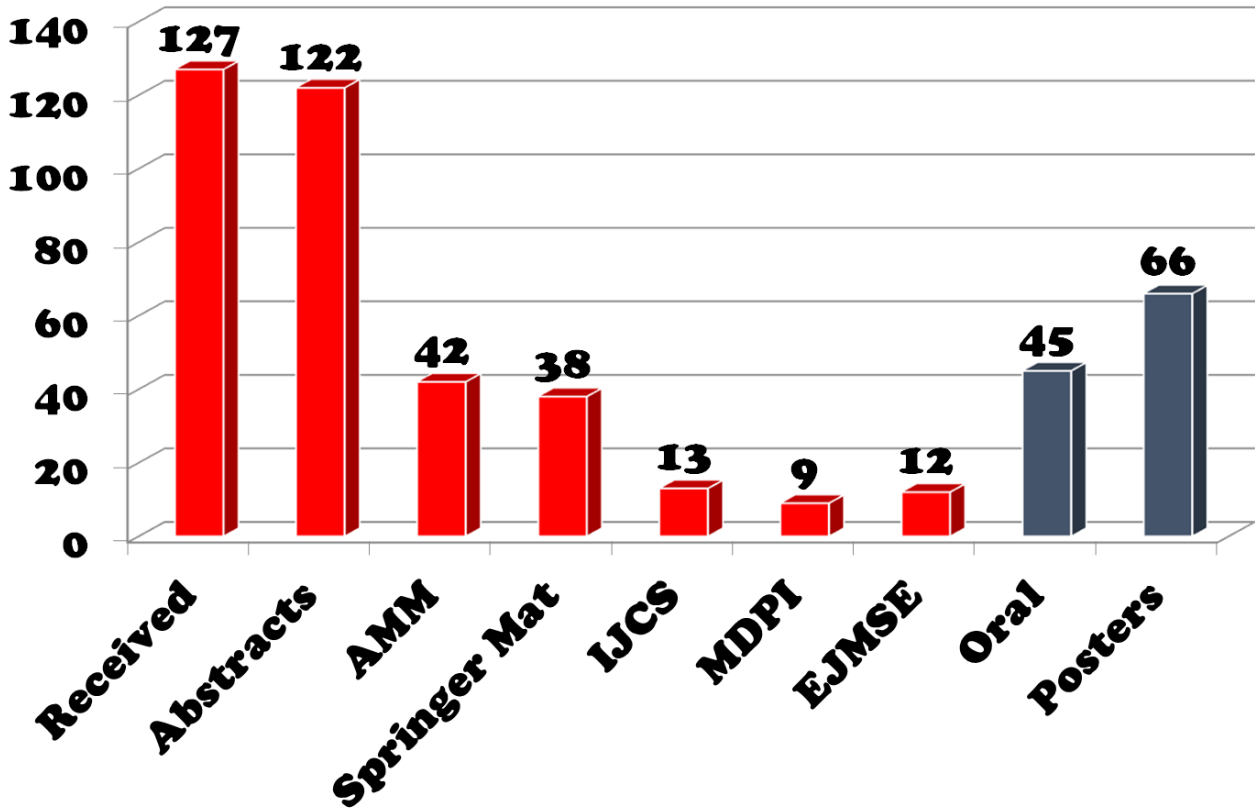
Section 1: Synthesis and Characterization of Materials Section

Section 2: Procedures and Technologies for Materials Engineering Section

Section 3: Materials Application Section

Section 4: Materials & Life Science

Conference statistics:



ROMANIAN INVENTORS FORUM



"GHEORGHE ASACHI" TECHNICAL UNIVERSITY



AL. I. CUZA UNIVERSITY OF IASI



UNIVERSITI MALAYSIA PERLIS

CEGeoGTech



Academia de Stiinte Tehnice din Romania
Technical Sciences Academy of Romania

POLITECHNIKA



UNDER THE AEGIS OF



AWARD Winners

EUROINVENT Grand Prize

ANTI-SEDENTARY ERGONOMIC ASSEMBLY FOR THE HOME OFFICE

ȚÎȚU Aurel Mihail, MĂRGINEAN Ion, ȚÎȚU Ștefan, BOGORIN PREDESCU Oana, BOGORIN
PREDESCU Adrian, MOLDOVAN Alexandru Marcel, OPREAN Constantin
“Lucian Blaga” University of Sibiu

2nd runner up

„Nicolae Testemitanu” State University of Medicine and Pharmacy

Young Inventor Award	Mihai Albert VLĂDESCU
Synergy Award	Dunarea de Jos University of Galati
Woman Inventor Award	Irina FIERASCU / Ileana Mariana MATES / Mariana JIAN
Special Prize	Insemex Petroșani
Performance in Education and Research	King Mihai I, University of Life Sciences from Timisoara
The Green Environment	Process for regenerating end-of-life products for reuse in mortars/concrete, Adrian Ionut NICOARA, Ionela Andreea NEACSU, Bogdan Andrei ILIE, Bogdan Stefan VASILE, Otilia Ruxandra VASILE, Andrada-Elena NICOARA, Mirijam VRABEC, Saso STRUM, Sorour Semsari PARAPA
Prize of Romanian Inventors Forum	Impeller of the Hydrauliccentrifugal pump, Bostan Viorel, Petco Andrei - Technical University of Moldova
Advances in Biology Award	National Agency for Public Health - Republic of Moldova
Prize of Europe Direct Iasi	National University of Science and Technology POLITEHNICA Bucharest
Cyberlife Award	Supervised and unsupervised classification based on remote sensing for study of an area Cosmin Alin Popescu, Adina Horablaga, Mihai Valentin Herbei, Radu Bertici, Daniel Dicu, Florin Sala
„Gheorghe Asachi“ Technical University of Iași Award	Romanian Research and Development for Gas Turbines COMOTI
Pro Scientia et Innovatio Award	Silicon Key for Individualized Healing Abutment Creation - RUSU Vasile, SOLOMON Oleg, EARAR Kamel, SCHIPOR Ovidiu, MATEI Madalina Nicoleta -
Medicine Award	“Grigore T. Popa” University of Medicine and Pharmacy Iasi, Faculty of Medical Bioengineering
International Delegation Award	Thailand
Best Design Award	Politehnica University of Timisoara, CITT Politehnica 2020
Exquisite Award	HOFIGAL
AgroFuture Award	University of Agronomic Sciences and Veterinary Medicine of Bucharest
Lifetime Inventor Award	Vasile LUPU
Popularity Award	Malaysia
Special Award	Paradis International College
Special Award	Analysis of determinants influencing tax behavior in SMEs Iulian Dascalu, Svetlana Mihaila, Veronica Grosu - Academy of Economic Studies of Moldova
Special Award	Humiditas Lux BORNA KR PAN; Mentor: SINISA TEVELLY Technical School Zagreb
Special Award	National Institute of Materials Physics

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