

26 - 28 MAY 2022
Palace of Culture - Iași



EUROINVENT

EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION

**>400
inventions
from
>30 countries**

EUROINVENT - European Exhibition of Creativity and Innovation was held on site and online. All the situation was adapted to the COVID-10 Pandemic. Euroinvent was held with the participation of over 660 registrations from 28 countries. The EUROINVENT Festival was officially opened on 26th of May and closed on 28nd of May 2022.

The EUROINVENT events were transmitted live on Facebook and zoom.

ORGANISERS



EUROPE DIRECT
Iași



Romanian Inventors Forum



Alexandru Ioan Cuza
University of Iași



Gheorghe Asachi Technical
University of Iași

Under the aegis of



INTERNATIONAL FEDERATION
OF INVENTORS' ASSOCIATIONS



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



MINISTERUL CERCETĂRII,
INOVĂRII ȘI DIGITALIZĂRII

COORGANIZERS



Romanian Academy, Iasi CSMI



SCIENTIFIC



PARTENERS



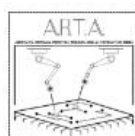
Romanian Academy Iasi Branch, Commission for the Studies of Marketing Issues

TECHNICAL-SCIENTIFIC, ARTISTIC AND LITERARY BOOK SALON "EUROINVENT"
organised in partnership with Academy of Romanian Scientists

EDUCATIONAL PARTNER



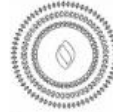
PARTNERS FOR INNOVATION



INTERNATIONAL PARTNERS

THE PATENT™

Invention Magazine



Aktivni Slovenski Inovatorji



BRITISH
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Umap



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SANVIC



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
- **Mr. Florin PANTILIMOESCU** - Representative of County Council of Iasi
- **Prof. Dan CASCAVAL** - Rector of Gheorghe Asachi Technical University of Iasi
- **Ms. Valentina DRUTU** - Director of National Muzeal Complex Moldova Iasi
- **Mr. Prof. Petrică VIZUREANU** - Chairman of ICIR EUROINVENT

A moment of silence was kept in memory of
Henriette SZILAGIY (INCD URBAN INCERC Cluj-Napoca) and
Ioana CSAKI (University Politehnica Bucharest).

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, Saudi Arabia, Indonesia, Taiwan, Moldova, Bulgaria and not only, mentioning some of the distinguished special guests: Neven MARKOVIC, Mohd Mustafa Al Bakri ABDULLAH, Edyta WOLCZYK, Marcin NABIALEK, Patrycja WAWRO, Mehdi RAJABINIA, Najia ALZANBAGI, Manli HSIEH, Andriana SURLEVA.



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

INVENTIONS, TECHNOLOGIES
& RESEARCH EXHIBITION

INTERNATIONAL CONFERENCE
ICIR ON
INNOVATIVE RESEARCH



Technical-Scientific
Artistic and Literary
BOOK SALON



European Visual Art
EXHIBITION

www.euroinvent.org
euroinvent@yahoo.com



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

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.







STATISTICS

Total number of the Exhibited inventions and Project

667

Total number of Judged registrations

651

Total number of participating countries

28 + 5 additional at ICIR Conference

Australia, Bosnia and Herzegovina, Bulgaria, Cambodia, Canada, China, Croatia, India, Indonesia, Iran, Iraq, Japan, Korea, Lebanon, Macau, Macedonia, Malaysia, Moldova, Philippines, Poland, Romania, Saudi Arabia, Taiwan, Thailand, Turkey, Ukraine, United States of America, Vietnam

Total number of visitors

10.000

Percentage of international inventions

50%

Percentage of national inventions

50%

From Republic of Moldova were present 16 institutions and one independent inventor and from Romania: 20 universities, 21 research institutes, 6 companies, 1 NGO and 10 independent inventors

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 2022

International Conference on Innovative Research

26-27 of MAY 2022 - 8th 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.

KEYNOTE SPEAKERS



Florin MICULESCU

Professor PhD
Department of Metallic Materials Science and Physical Metallurgy
Faculty of Materials Science and Engineering
University Politehnica of Bucharest, ROMANIA



Mohd Mustafa al Bakri ABDULLAH

Professor Dr., PTech, MMSET, AAE
Faculty of Chemical Engineering & Technology
Universiti Malaysia Perlis (UniMAP)
Malaysia



Abílio P. SILVA

Professor PhD Eng
Centre for Mechanical and Aerospace Science and Technologies
Dep. of Electromechanical Engineering | Faculty of Engineering
University of Beira Interior, Covilhã, Portugal

INVITED SPEAKERS



Lidia BENEÀ

Professor PhD Chem
Competences Centre Interfaces-Tribocorrosion and Electrochemical Systems
Faculty of Engineering, Dunărea de Jos University of Galați, România



Yulia IVASHKO

Professor PhD Habil
Kyiv National University of Construction and Architecture,
Kiev, Ukraine



Wojciech SOCHACKI

MSc.Eng, PhD, DSc, Associate Professor
Czestochowa University of Technology, Czestochowa, Poland



Mariusz WINECKI

Assistant Professor PhD Eng
Chair of Constructional Materials and Biomaterials, Institute of Materials
Engineering Kazimierz Wielki University, Bydgoszcz, POLAND

ICIR EUROINVENT 2022

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

With support of:

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



Accepted papers from EUROINVENT 2022 are published in the Conference Proceedings:

- IOP Conference Series: Materials Science and Engineering (send for indexing Web

Also extended articles into:

- Archives of Metallurgy and Materials;
- European Journal of Materials Science and Engineering;
- International Journal of Conservation Science;
- Materials, Coatings, Applied Sciences, Micromachines & Magnetochemistry (MDPI Publisher).

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:

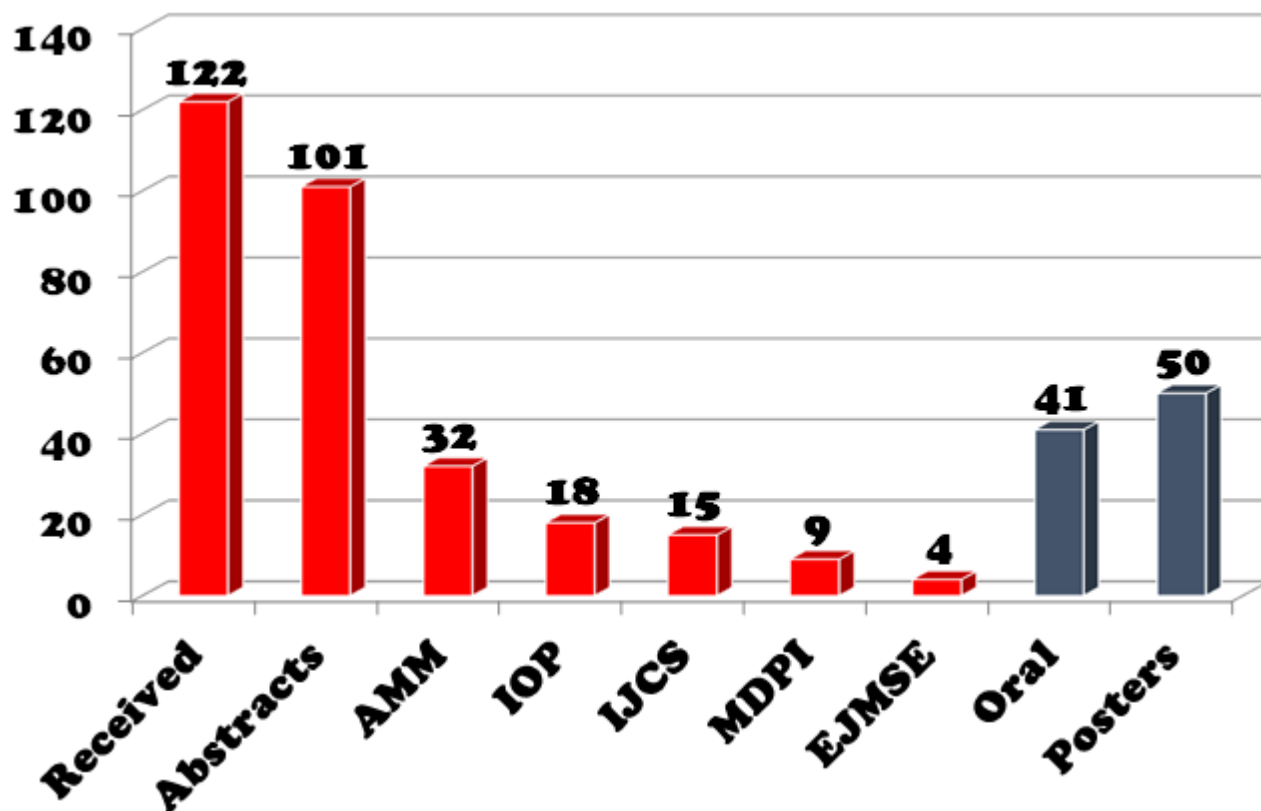
Section 1: Synthesis and Characterization of Materials Section

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

POLI
TECH
NIKA



UNDER THE AEGIS OF



INTERNATIONAL FEDERATION
OF INVENTORS' ASSOCIATIONS





ICIR 2022 INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH



ICIR Conference Award Ceremony was held with the presence of
Mr. Mihai CHIRICA Mayor of Iasi and
Mr. Sebastian BURDUJA - Minister of Research, Innovation and Digitization.

AWARD Winners

EUROINVENT Grand Prize
POLITEHNICA University of Timisoara

Youngest Inventor Award	Mariana JIAN - Moldova
Synergy Award	Rapid heating/ cooling process applied to doped transparent contacts used in chalcogenide solar cells, Petronela GAROI, Cristian VIESPE, Doina CRACIUN, Florin GAROI, Valentin CRACIUN
Woman Inventor Award	Tatiana BULIMAGA - Moldova
#70 years celebration	Prof. Ion SANDU
Performance in Education and Research	Technical University of Moldova & Lucian Blaga University of Sibiu
The Green Environment	Valorization Of Salt Slag From Aluminum Recycling - Marin Kovačić, Ana Lončarić Božić - Croatia
Prize of Romanian Inventors Forum	MD - LOCAL MUSTKRESIMIR CICKOVIC - Croatia
Advances in Biology Award	Valerian Balan - Moldova
Prize of Europe Direct Iasi	Parralel robot for the recovery of lower limb mobility - Pîslă Doina, Bîrlescu Iosif, Vaida Călin, Gherman Bogdan, Tucan Paul, Plitea Nicolae
„Alexandru Ioan Cuza“ University of Iași	N.I.R.D. ICECHIM Bucharest
„Gheorghe Asachi“ Technical University of Iași Award	N.I.R.D. ICPE-CA
Pro Scientia et Innovatio Award	Alina VLADESCU, New Generation of Biocompatible Thin Film Metallic Glasses
MEDICINE AWARD	Daniela TARNITA, Danut TARNITA, Ball and socket type joint for elbow prosthesis
International Delegation Award	IRTI Iran
Best Design Award	ISIM Timisoara
Exquisite Award	Manufacturing process of a product destined for bone defects reconstruction, based on hydroxiapatite and biogenic biphasic calcium phosphate, Florin MICULESCU, Aura-Cătălina MOCANU, George STAN, Iulian Vasile ANTONIAC, Mihnea Cosmin COSTOIU, Ștefan Ioan VOICU, Marian MICULESCU, Ileana Mariana MATEȘ, Augustin SEMENESCU
AgroFuture Award	Formulation of a nanocomposite hydrogel based on a natural polysaccharide, biogenic copper nanoparticles and essential oils with potential application in bovine mastitis, Neculai-Valeanu Andra Sabina; Arton Mirela; Rimbu Cristina; Madescu Bianca; Porosnicu Ioana; Vaida Gheorghe
Popularity Award	Vitalie POPA
Cyberlife Award	WIIPA Taiwan

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