

PRIZES OF THE
49th INTERNATIONAL EXHIBITION OF INVENTIONS GENEVA – 2024

GRAND PRIX OF THE INTERNATIONAL EXHIBITION OF INVENTIONS GENEVA

awarded by Mr. Jean-Luc VINCENT, Founding President of the Exhibition,

to Sumaiya AL SIYABI, Oman

for ECOSPHERE, a product that uses biology and nanotechnology to degrade existing PM in aquatic organisms.

THE PRIZE OF THE PUBLIC

determined by the vote of the public to the most popular invention,

awarded by Mrs. Caroline SIMONET, Director of the Exhibition,

to ABI KHALIL Chantal & Simon, France

for FREE2GO, 3-in-1 innovation: safe, parasol stand and side table.

PRIZE OF THE WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO)

awarded by Mr. Marcelo DI PIETRO PERALTA, Director of the WIPO Awards program,

to Dr. Ali HANEEF, Dr. Abdelhamid SAOUDI, Eng. Khalil MOUSSI, Eng. Jürgen KOSEL, Saudi Arabia

for a microneedle balloon catheter.

PRIZE OF THE REPUBLIC AND CANTON OF GENEVA

awarded by Mr. Daniel LOEFFLER, Deputy Secretary General for Economic Affairs to the Department of Economy and Employment

to UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA, SCHOOL OF EARTH AND SPACE SCIENCES, China

for an atmospheric multi-parameter detection optical quantum lidar.

PRIZE OF THE CITY OF GENEVA

awarded by Mr. Alfonso GOMEZ, Mayor of the City of Geneva,

to TSINGHUA SHENZHEN INTERNATIONAL GRADUATE SCHOOL, China

for a technology of phosphorus recovery from municipal wastewater aiming at iron phosphate for battery use

PRIZE OF THE INTERNATIONAL FEDERATION OF INVENTORS' ASSOCIATION – IFIA

awarded by Mr. Alireza RASTEGAR, President

to CENTRE FOR ADVANCES IN RELIABILITY AND SAFETY, Hong Kong SAR

for RailSwinX: enhanced rail track defect detection through cutting-edge AI technology.

to FMK INC., South Korea

for a tunnel structure investigation device.

INTERNATIONAL PRESS PRIZE

awarded by Mr. Frédéric VORMUS, Press Officer of the Exhibition,

to SANT`UNIONE Clara, Germany

for Klipspringer, a technology that combines spring energy with lever force thanks to a movable wheel axle.

PRIZE FROM THAILAND FOR THE BEST INTERNATIONAL INVENTIONS

awarded by Dr. Wiparat DE-ONG, Director of the National Research Council of Thailand,

to KING ABDULAZIZ UNIVERSITY, Saudi Arabia

for a date fruit classification

to CITY UNIVERSITY OF HONG KONG, Hong Kong SAR

for a design and nanofabrication of highly sensitive plasmonic sensors for biomedical cell and molecule detection.

to BŁASZCZYK Marta, Poland

for FOSREM-3D - Fiber-Optic System for Rotational Events Monitoring

INPI PRIZE – NATIONAL INSTITUTE FOR INDUSTRIAL PROPERTY – FRANCE

awarded by Mr. Romain DURIEZ, Managing Director of the France-Switzerland Chamber of Commerce and Industry,

to Jean-Paul CLEMENT

for TEXTILIFT an invisible lift

PRIZE OF THE POLISH OFFICE OF PATENTS

awarded by Mr. Michel SZOTA, Representative of the Exhibition for Poland,

to TITU Aurel Mihail, MARGINEAN Ion, TITU Stefan, BOGORIN-PREDESCU Oana et alia, Romania

for an anti-sedentary ergonomic assembly for the home office.

SAUDI UNIVERSITIES PRIZE FOR ADVANCED TECHNOLOGY

awarded by Prof. Abdulmonem ALHAYANI, Deputy Minister of the Ministry of Education of Saudi Arabia,

to JO Bong-je, South Korea

for a smart pest control & sterilization disinfector.

to PEKING UNIVERSITY SCHOOL AND HOSPITAL OF STOMATOLOGY, China

for an intelligent diagnosis of three-dimensional precise scanning of oral soft and hard tissues with static-dynamic integration.

PRIZE OF THE HONG KONG DELEGATION

awarded by Professor Andrew YOUNG, Representative of the Exhibition for Hong Kong SAR

to NUCTECH COMPANY LIMITED, China

for a high-throughput intelligent spectral CT baggage inspection system.

to ALANSARY Hany. Saudi Arabia

for a solid particle receiver and direct contact heat exchanger for electricity generation and thermal energy storage.

to ANUWATTANA Rewadee, Thailand

for a pilot plant for municipal solid waste.

to BOJONG GLOBAL HEALTH CARE CO., LTD, South Korea

for LED infrared rays irradiator

INTERNATIONAL STRATEGIC TECHNOLOGY ALLIANCE GLOBAL INNOVATION AND INVENTION AWARD – ISTA

awarded by Professor Andrew YOUNG, Director association (Innovation) Sino Group,

to TAIPEI CITY UNIVERSITY OF SCIENCE AND TECHNOLOGY, Chinese Taipei

for a washbasin capable of recycling energy.

to TITU Aurel Mihail, MARGINEAN Ion, TITU Stefan, BOGORIN-PREDESCU Oana et al, Romania

for an anti-sedentary ergonomic assembly for the home office.

to INSTITUTE OF AUTOMATION, CHINESE ACADEMY OF SCIENCES, China

for Casia Hand: Serialized human-like dexterous robotic hands.

PRIZE OF THE HONG KONG POLYTECHNIC UNIVERSITY

awarded by Professor Andrew YOUNG, Director associate (innovation) Sino Group,

to ALSHEDDI Sara Ibrahim, Saudi Arabia

for the development of a sustainable and scalable semiconductor-based water disinfection system.

PRIZE ALI & HOMA – BEIJING NORMAL UNIVERSITY

awarded by Mrs. Caroline SIMONET, Director of the Exhibition,

to ALIGHOLIPOUR Mohammad, Iran

for an auxiliary arm that reduces tremors in Parkinson's patients.

to KALVANDI Seyed Mohsen, Iran

for a self-compacting concrete with slag from steel factories and production of durable concrete with nanoparticles

SWISS AUTOMOBILE CLUB PRIZE – ACS

awarded by Mrs. Pascale BALESTRA, member of the committee,

to ALASMARI Hasil, Saudi Arabia

for CAMEL EYES, an intelligent device thanks to the addition of a motion sensor and a solar controller.

PRIZE OF THE SPIRIT OF ENTERPRISE awarded by the Circle of Company Directors – CDE

awarded by Mrs. Enza TESTA-HAEGI, President,

to HALIMI Eric - Emergence Solar, Switzerland

for e.Ness: Photovoltaic gel with controlled transparency.

INDUSTRIAL DESIGN PRIZE

awarded by Mr. Claude BRULHART, President for Swiss Romande (French-speaking part of Switzerland) Swiss Design Association,

to CAKAN Ali, Switzerland

for Robobeans Coffee, an AI-driven robotic barista.

VITRUVIO PRIZE – SPANISH DELEGATION OF THE EXHIBITION

awarded by Mr. Jose Luis de CASTRO HERMIDA, Representative of the Exhibition for Spain,

to FUERTES MORENO Francisco José, Spain

for a vehicle seat belt attachment device.

PRIZE OF THE FRENCH-SWISS CHAMBER OF COMMERCE AND INDUSTRY

awarded by Mr. Romain DURIEZ, Managing Director of the France-Switzerland Chamber of Commerce and Industry,

to ABI KHALIL Chantal & Simon, France

for FREE2GO, 3-in-1 innovation: safe, parasol stand and side table.

PRIZE OF THE ITALIAN CHAMBER OF COMMERCE FOR SWITZERLAND

awarded by Ms. Malina PAL, collaborator of the Italian Chamber of Commerce for Switzerland,

to CASSANI Walter, Italy

for generator and energy storage system

PRIZE OF THE EUROPEAN CENTRE OF APPLIED RESEARCH

awarded by Mr. Mircea TUDOR, President

to NANJING UNIVERSITY, China

for a 9.5 kg 10 Gbps portable free space optical communication system.

PRIZE OF THE FIRST INSTITUTE OF INVENTORS AND RESEARCHERS OF THE I.R. OF IRAN

awarded by Mr. Hossein VAEZI ASHTIANI, President,

to GRAPE KING BIO LTD., Chinese Taipei

for the fermentation product of Lactobacillus Plantarum GKM3 that promotes wound healing.

to WRZESNIEWSKA-TOSIK Krystyna, Poland

for the development of keratin-based materials.

PRIZE OF THE RESEARCH AND INNOVATION TEAMS – IRAN

awarded by Mr. Masoud SHAFAGHI, Director,

to ALIYARICHERMAHINI Maryam, KARAMI Majid, Finland

for Cube Plus, smart and sustainable energy system for urban furniture.

PRIZE OF THE ENERGY EDUCATIONAL INSTITUTE (N.I.E.C.I) – IRAN

awarded by Dr Ehsan MOLLAZADEH,

to KHANTACHAWANA Anak, Thailand

for a smart wrist motion adjuster for enhancing post-operative efficiency in distal radius fracture treatment

PRIZE OF THE CHINESE DELEGATION FOR INVENTION AND INNOVATION

awarded by Mr. LIN Songtao, General Secretary of the Delegation,

to THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, Hong Kong SAR

for sST2 as a therapeutic target for Alzheimer's disease

to Abdullatif Saad ALSUBAIE et Yosuf ALSUBAIE, Saudi Arabia

for a wearable umbrella

PRIZE OF THE CHINA INVENTION ASSOCIATION,

awarded by Mr. Zhenfu He, China Inventions Association,

to THE UNIVERSITY OF HONG KONG, Hong Kong SAR

for a functional 3D bioprinted platform.

to LAI Zhiping, Saudi Arabia

for extracting battery-grade lithium from seawater.

PRIZE OF THE SAUDI ARABIAN DELEGATION

awarded by Dr. Mohammed ALI ALGHAMDI, Chef of the Delegation,

to MITKUAKUN Pisit, Thailand

for a smart drone.

to TSINGHUA UNIVERSITY, China

for an intraoperative handheld medical gamma camera based on self-collimating technology.

to TSINGHUA UNIVERSITY, SICHUAN ENERGY INTERNET RESEARCH INSTITUTE, BEIJING VPPTECH CO., LTD.,
China

for edge control devices and aggregation platform for urban-level virtual power plant.

to THE HONG KONG POLYTECHNIC UNIVERSITY, Hong Kong SAR

for GOOD Vision/ Wellsees: Novel portable corneal topographer.

PRIZE OF THE ITALIAN DELEGATION OF THE EXHIBITION

awarded by Mr. Stefano LORENZONI, Representative of the Exhibition for Italy

to ALLERA Caterina, MASELLA Enrico, Italy

for MEAPLANT, a soilless cultivation system easy to use for everyone.

PRIZE OF THE TAIPEI INTERNATIONAL EXHIBITION

awarded by Dr. David W.F. HUANG, cultural and economic delegation of Taipei,

to ALJILANI Lama, KHALIFA Hossam, Saudi Arabia

for a non-invasive method for assessing and diagnosing peripheral vascular disease.

to OTHMAN Rohaya, SALLEH Emme Marina, MAHIM Zawawi, MOHD SABRI Siti Noorzidah, Malaysia

for PCC used as a durable filler in commercial products.

PRIZE OF THE TAIPEI DELEGATION

awarded by Mrs. Sylvia CHANG, President of the Taiwan Inventions Association,

to NANJING UNIVERSITY, China

for a 9.5 kg 10 Gbps portable free space optical communication system.

to ZAVAREI Shervin, Iran

for a device for monitoring and handling plant soil

PRIZE OF THE MALAYSIAN DELEGATION

awarded by Dr. WAN MANSOL, Representative of the Exhibition for Malaysia,

to HOMEWAY TECHNOLOGY CO. LTD., Chinese Taipei

for GoodARCH TFE Belt.

to ABUBAKER Areeb, BASHATAH Khadija, ALHARIRI Aman, ALBUKHARI Afnan et al., Saudi Arabia

for an interconnected yoga mat system.

PRIZE OF THE KOREAN INVENTION PROMOTION ASSOCIATION – KIPA

awarded by Mr. Yoo Tae-Soo, Vice-president,

to M ALKAABI Khalid Abdulaziz, Saudi Arabia

for designing high performance porous organic polymers for efficient and selective CO₂ capture.

to THE CHINESE UNIVERSITY OF HONG KONG, Hong Kong SAR

for an AI retinal image analysis for the risk of Autism (ASD) and GDD in preschoolers.

PRIZE OF THE POLISH INVENTORS AND RATIONALIZERS ASSOCIATION

awarded by Mr. Michel SZOTA, President and Representative of the Exhibition for Poland

to CHAICHAN Mattika, Thailand

for CRA ambulance boat: For emergency services in remote areas of Thailand.

PRIZE OF THE EUROPEAN INVENTORS ASSOCIATION

awarded by Mr. Michel SZOTA, President of the Association,

to KALHOR Taranom, Iran

for Intensify - elevating sports spectatorship to a new dimension.