

## **PRIZE LIST OF THE**

### **47<sup>th</sup> INTERNATIONAL EXHIBITION OF INVENTIONS OF GENEVA - 2019**

#### **GRAND PRIX OF THE INTERNATIONAL EXHIBITION OF INVENTIONS OF GENEVA**

awarded by Mr. Jean-Luc VINCENT, Founding President of the Exhibition,  
to GRST HOLDINGS LIMITED, Hong Kong  
for the first recyclable car battery.

#### **THE PRIZE OF THE PUBLIC**

determined by the vote of the public to the most popular invention,  
awarded by Mrs. Gaëlle GROSJEAN, Director of the Exhibition,  
to Mr. Nicolas CARLESI  
for his electric robot for collecting floating waste on water bodies.

#### **PRIZE OF THE WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO)**

awarded by Mr. Matthias REISCHLE-PARK, Assistant Director, Legal and User Relations Division of the PCT. Department,  
to NORTHEASTERN UNIVERSITY, China  
for Innovative process integrating roll bonding technology with powder metallurgy foaming process.

#### **PRIZE OF THE STATE OF GENEVA**

awarded by Mr. Daniel LOEFFLER, Deputy General Secretary in charge of economic framework of the Republic and Canton of Geneva,  
to DGIST-ETH MICROROBOTICS RESEARCH CENTER (DEMRC), South Korea  
for Surgical bed with integration of magnetic control and X-ray systems

#### **PRIZE OF THE CITY OF GENEVA**

awarded by Mrs. Julie PERRENOUD, Project Manager,  
to Michael KÖNKER, Germany  
for Wendebank, a flippable bench

**PRIZE OF THE INTERNATIONAL FEDERATION OF INVENTORS'  
ASSOCIATION - IFIA**

awarded by Mr. Alireza RASTEGAR, President,

to INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU CRIOGENI  
SI TEHNOLOGII IZOTOPICE, INC-DTCI-ICSI, Romania

for a post-synthesis activation process.

**INTERNATIONAL PRESS PRIZE**

awarded by Mr. Gérard SERMIER, Press Officer of the Exhibition,

to WESYNCUP, Switzerland

for an artificial intelligence technology allowing the improvement and optimization of  
making appointment

**PRIZE OF THE MINISTRY OF SCIENCE AND HIGHER EDUCATION OF RUSSIA**

awarded by Mr. Boris MAKARITCHEV,

to CHAIPRATEEP EM-ON, PONGBORIBOON WATCHARAPONG, Thailand

for Khaolaor mouth gel(non-steroidal)

**PRIZE OF THE NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY –  
MISIS**

awarded by Mr Boris MAKARITCHEV,

to JOURDENESS INTERNATIONAL GROUP CO., LTD, Chinese Taipei

for Caritas JD, technology of biotransformation.

**PRIZE OF RUSSIAN ACADEMY OF SCIENCES**

awarded by Mr. Boris MAKARITCHEV,

to Ehsan LAVASANI, Iran

for production of aluminum multicore wire with high flexibility.

**PRIZE OF THE NATIONAL COUNCIL FOR RESEARCH OF THAILAND**

awarded by Professor Sirirung SONGSIVILAI Representative of the Exhibition for Thailand,

to KOSPO(KOREA SOUTHERN POWER CO., LTD), South Korea

for control valve including two functions of differential pressure control.

to VNUKOV LEKSEJ, KIRILLOV VALERIJ, YAKOVLEV ANDREJ POPOV VASILIJ et al, Russia

for a method for launching spacecraft(SC)

**PRIZE OF THE MINISTRY FOR SCIENTIFIC RESEARCH AND INNOVATION OF ROMANIA**

awarded by Dr. Camelia MARINESCU, Representative of the Exhibition for Romania,

to Mohamen Hossein ARMAND, Iran

for a gadget for protecting individual workers from working in sewage ducts.

to NANO AND ADVANCED MATERIALS INSTITUTE, Hong Kong

for Zero waste compact water dispenser.

**PRIZE INPI - NATIONAL INSTITUTE FOR INDUSTRIAL PROPERTY - FRANCE**

awarded by Mrs. Charline FABBRO, Representative of the Exhibition for France,

to Mr. Armand WAN HOI, France

for an automated, electricity-free pump.

**PRIZE OF THE SPANISH OFFICE OF PATENTS AND TRADEMARKS**

awarded by Mrs. Elena ULLOA CALVO, Head of Company Support Service,

to Mr. Manuel Jacinto BORGES BELZA, Spain

for an articulated stretcher to collect patients automatically.

**PRIZE OF THE POLISH OF PATENTS OFFICE**

awarded by Mrs. Alicja ADAMCZAK, President,

to THE HONG KONG POLYTECHNIC UNIVERSITY

for Combining neuromuscular electrical stimulation (NMES)

**PRIZE OF THE STATE AGENCY FOR INVENTIONS AND TRADEMARKS OF ROMANIA - OSIM**

awarded by Mrs. Tatiana Radu, Marketing manager,

to Mr. Stefan CEL MARE, UNIVERSITE DE SUCEAVA, Romania

for a system for monitoring emotional states

to NATIONAL INSTITUTE OF R&D FOR OPTOELECTRONICS – INOE 2000, Romania

for set of techniques of molecular genetics.

**PRIZE OF THE STATE AGENCY FOR INTELLECTUAL PROPERTY OF MOLDOVA (AGEPI)**

awarded by Mrs. Victoria PLESCA, Director of the International Relations Division,

to BATALU NICOLAE-DAN, SEMENESCU AUGUSTIN, COSTOIU MIHNEA COSMIN, SINESCU IOANEL et al, Romania

for total constricted elbow prosthesis made of biocompatible materials

**PRIZE OF THE ASSOCIATION FOR SCIENCE AND TECHNOLOGY «TECHNOPOL MOSCOW» RUSSIA**

awarded by Mr. Vadim GOUSSEV, General Director,

to Mr Ali Aedh ALSHEHRI, Saudi Arabia

for production of electricity with sand.

to BEIJING INSTITUTE OF CONTROL ENGINEERING, WANG ZHENHUA, China

for an intelligent data analysis and decision support system.

**KING ABDULAZIZ UNIVERSITY SPECIAL AWARDS FOR INNOVATION**

awarded by Professor Masoud AL QAHTAN,

to COCHIOR DANIEL, CUSTURA CRACIUN DAN, GORECKI GABRIEL-PETRE et al, Romania

for a non-invasive diagnostic optoelectronic unit.

to TAIPEI CITY UNIVERSITY OF SCIENCE AND TECHNOLOGY, Chinese Taipei

for the intelligent water dispenser to help the blind.

**INVENTION AND INNOVATION AWARD OF THE HONG KONG FEDERATION OF INVENTION AND INNOVATION**

awarded by Dr. Andrew YOUNG, Vice-President of the Invention and Innovation Federation of Hong Kong,

to IVANOVO STATE POWER UNIVERSITY, Russia

for system for a digital substation.

to Mr. A. May LUTZ, Germany

for Momentum drive modules used to move objects or gases.

to BIN MAMDOUH BIN ABDEL AZIZ AL SAOUD NAIF,

for theory of permanent and renewable water.

**INTERNATIONAL STRATEGIC TECHNOLOGY ALLIANCE GLOBAL INNOVATION AND INVENTION AWARD -ISTA**

awarded by Dr. Andrew YOUNG, Vice-President of the Invention and Innovation Federation of Hong Kong,

to JSC OPTIMED, Russia

for his devices for endoscopic minimally invasive surgeries.

**PRIZE OF THE HONG KONG POLYTECHNIC UNIVERSITY**

awarded by Dr. Andrew YOUNG, Vice-President of the Invention and Innovation Federation of Hong Kong,

to POLITECHNIC UNIVERSITY OF BUCHAREST, Roumanie

for an equipment for machining helicoidal surfaces.

**PRIZE ALI & HOMA - BEIJING NORMAL UNIVERSITY**

awarded by Mrs. Gaëlle GROSJEAN, Director of the Exhibition,

to Mr. Bahery SHAYAN, Iran

for a system of protection and maintain of environment

**SWISS AUTOMOBILE CLUB PRIZE - ACS**

awarded by Mr. David TAJI, President of the Jury,

to GRST HOLDINGS LIMITED, Hong Kong

for WATMAR 3 - Water-based technology to manufacture, recycle, regenerate and reuse Li-ion batteries.

**PRIZE OF THE SPIRIT OF ENTERPRISE offered by the Circle of the Leaders of Enterprises - CDE**

awarded by Mr. Jean-François PISSETTAZ, members of the committee,

to WESYNCUP, Switzerland

for an artificial intelligence technology allowing the improvement and optimization of making appointment.

**INDUSTRIAL DESIGN PRIZE**

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

to SINO INNOVATION LABORATORY LIMITED, Hong Kong

for city air purification system.

**THE GARCIA CABRERIZO PRIZE - SPAIN**

awarded by Mr. Jose Luis de CASTRO HERMIDA, Head for Legal Affairs,

to Mr. Jose POSADAS SINFORIANO, Spain

for thinner based formulation for waterborne automotive print compositions.

**PRIZE OF THE LEGAL COMPANY «GORODISSKY & PARTNERS» - RUSSIA**

awarded by Mr. Vadim GOUSSEV, Director General of the Science and Technology Association

to THE HONG KONG POLYTECHNIC UNIVERSITY, Hong Kong

for portable 3D ultrasound imaging system for radiation-free assessment of scoliosis.

**PRIZE OF THE YOUNG BUSINESS MANAGERS' ASSOCIATION (GJD)**

awarded by Mr. Pascal STOUDEUR, President,

to HILIVE, Switzerland

for an application who offered an new shopping experience due to augmented reality.

**PRIZE OF THE FRENCH-SWISS CHAMBER OF COMMERCE AND INDUSTRY**

awarded by Mrs. Charline FABBRO, Representative of the Exhibition for France,

to Mr. Eric MOUILLON, France

for anti-fall shoe sole for the elderly.

**PRIZE OF THE ITALIAN CHAMBER OF COMMERCE FOR SWITZERLAND**

awarded by Mrs. Federica RODESCHI, Event Manager,

to Mrs. Sabina BORRI, Italy

for an active and passive protection device for seismic events.

**PRIZE OF THE EUROPEAN CENTRE FOR APPLIED RESEARCHES**

awarded by Mr. Mircea TUDOR, President,

to Dinu SORIN, Romania

for Sewage construction robot.

**PRIZE LUCIAN BLAGA, SIBIU UNIVERSITY OF ROMANIA**

awarded by Prof. Constantin OPREAN, President,

to Mr. ALHARBI MAJED Saeed, Saudi Arabia

for an automatic cup opening and closing cup.

**PRIZE OF THE TECHNICAL UNIVERSITY OF CLUJ-NAPOCA OF ROMANIA**

awarded by Prof. Radu Ioan MUNTEANU,

to Mr. Mohammed GHAZZAWI, Saudi Arabia

for multi-functional Electric hand trolley.

to THE HONG KONG POLYTECHNIC UNIVERSITY, Hong Kong

for CCD camera equipped system employing AI-based and deep learning technologies.

**PRIZE OF THE FIRST INSTITUTE OF INVENTORS AND RESEARCHERS IN ISLAMIC REPUBLIC OF IRAN**

awarded by Mr. Hossein VAEZI ASHTIANI, Head of International Relations,

to TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, Romania

for automatic system, which ensures the measurements of the coordinate of a pendulum

**PRIZE OF ARMAN GOHAR SIRJAN**

Awarded by Dr. Abbas SOLTANI, Director

to MERKULOV I.A., TIKHOMIROV D.V., ZHABIN A.Y., APALKOV G.A et al, Russia

For method for preparing mixed uranium-plutonium.

**PRIZE OF MEHR-e-ALBORZ UNIVERSITY OF THE ISLAMIC REPUBLIC OF IRAN**

awarded by Dr. Sajjad EBADI, Director of International Relations,  
to LUBLIN UNIVERSITY OF TECHNOLOGY, Poland  
for adjusting mechanism of a single-screw extruder adjustable barrel.

**PRIZE OF MEDICAL SCIENCE GUILAN UNIVERSITY OF THE ISLAMIC REPUBLIC OF IRAN**

awarded by Mr. Masoud SHAFAGHI, Representative,  
to THE JOHN III SOBIESKI SECONDARY SCHOOL NO, Poland  
for educational chemistry platform.

**PRIZE OF THE CHINESE DELEGATION FOR INVENTION AND INNOVATION**

awarded by Mr. LIN Songtao, General Secretary of the Delegation,  
to HIGHWAY'S DEPARTMENT, THE GOVERNMENT OF THE HONG KONG  
SPECIAL ADMINISTRATIVE REGION OF THE PEOPLE'S REPUBLIC OF CHINA,  
HONG KONG PRODUCTIVITY COUNCIL HONG KONG

for a robot system for placement and collection of traffic cones and lanterns in road works

to HUBEI MAGELINE BIOLOGY TECH CO. LTD, Chinese Taipei

for a beverage containing 7 different beneficial ingredients that help weight management.

to JSC NIIAS, Russia

for determining the presence of mobile units.

to NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT OF  
MICROTECHNOLOGIES- IMT BUCHAREST, Romania

for monolayer graphene by chemical vapour deposition(CVD).



### **PRIZE OF THE SAUDI ARABIAN DELEGATION**

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

to GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI, China

for high-efficiency direct-cooling magnetic bearing air conditioning unit.

to NORTHWESTERN POLYTECHNICAL UNIVERSITY, China

for a system exploiting solar power as the energy source, UAV as the aerial platform.

to KOREA ELECTRIC POWER CORPORATION, South Korea

for a geophysical exploration system able to predict the ground condition.

### **PRIZE OF THE ROMANIAN DELEGATION OF THE EXHIBITION**

awarded by Dr. Camelia MARINESCU, Representative of the Exhibition for Romania,

to CHINA CONSTRUCTION STEEL STRUCTURE CORP. LTD, China

for steel structure construction platform and its large gradient self-climbing system.

to SEMI CO.LTD, Chinese Taipei

for the peptide yeast protein powder is created for postpartum mom.

### **PRIZE OF THE ITALIAN DELEGATION OF THE EXHIBITION**

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

to THE HONG KONG POLYTECHNIC UNIVERSITY, Hong Kong

for CCD camera equipped system employing AI-based machine vision and deep learning technology.

### **PRIZES OF THE TAIPEI DELEGATION**

awarded by Mr. Wang Liang-Yu, Ambassador of the Cultural and Economic Delegation of Taipei,

to Mrs. Nabila ABDULLATIF, Saudi Arabia

for jumperator, eco-friendly and smart trampoline.

to FARCAS ADRIAN CIPRIAN, Romania

for tub solar panel with insulated mirror.

to LACHUGIN IVAN, SHEVTSOV ALEXANDER et al, Russia

for a system to measure torque and power of rotating shafts in motors.

**PRIZE OF THE INVENTIONS ASSOCIATION OF TAIWAN**

Awarded by Mr. Huang Wei-Fong, Ambassador of the Cultural and Economic Delegation of Taipei,

to JABATAN KEBAJIKAN MASYARAKAT, Malaysia

for ABM plus, a teaching tool.

to COCOA, South Korea

for image sensor converged and doubled a TIC petri dish with microbes to count colonies.

to ZHEJIANG YUNZHITANG BIOTECHNOLOGY CO., LTD, China

for research and manufacture of freeze drying powder of *Dendrobium candidum*

**PRIZE OF THE NATIONAL FEDERATION OF FRENCH ASSOCIATION OF INVENTORS - FNAFI**

awarded by Mr. Bernard GUTFRIND, President,

to Mr. Georges CORNUEJOLS, France

for headnest, the pocket travel pillow, keeps the head in line with the body.

**PRIZE OF THE MALAYSIAN ASSOCIATION OF RESEARCH SCIENTISTS - MARS**

awarded by Dr. WAN MANSHOL, President and Representative of the Exhibition for Malaysia,

To GRAPE KING BIO LTD, Chinese Taipei

for *Lactobacillus paracasei* GKS6 isolated from infant faeces.

to LUVIAN BLAGA UNIVERSITY OF SIBIU, Romania

for a personal electric car with simplified construction.

**PRIZES OF THE KOREAN INVENTION PROMOTION ASSOCIATION - KIPA**

awarded by Mr. Joonho KOH, President,

to MOJTABA RANJBAR, NAJME KHOSRAVI et alia, Iran

for gasoline engines with a system of fire and explosion prevention in car accident.

to CURIOUS INTERNATIONAL CO., LTD, Chinese Taipei

for mixed extraction system for extracting specific Echinacea components.

to SC REMIR SRL, Romania

for solar desaliniser used for obtaining water and collecting salt.

to SCRIBOON TONGPONG, Thailand

for PEA solar hero application who provides one stop service solution for solar rooftop installation.

**PRIZE OF THE EXHIBITIONS OF INVENTIONS HONG KONG AND INVENTIONS GENEVA**

awarded by Mr. Benson PAU, President of the association of Hong Kong exporters

to PREECHAPOLKUL, PROF.DR. RATTANADECHO et alia, Thailand

for focused microwave ablation for the treatment of patients with localized liver cancer.

**ARCA SPECIAL PRIZE OF THE UNION OF CROATION INVENTORS**

awarded by Mr. Ivan VLAINIC, President of the Association of technical culture of Croatia,

to Mr. Luciano Alberto CAVASINO, Italy

for beach umbrella, unique, the fastest and the easiest.

**PRIZE OF THE GERMAN ASSOCIATION OF INVENTORS**

awarded by Mr Joachim BADER, President,

to SCRIPOR ALPHABET SRL, Romania

for alphabet of colors for sightless or visual impaired people.

**PRIZE OF THE POLISH INVENTORS AND RATIONALIZERS ASSOCIATION**

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

to JEONJU UNIVERSITY OFFICE OF INDUSTRY-UNIVERSITY COOPERATION,  
South Korea

for sports game using drones

to ADABIABKOUH AFSHIN, ADABIABKOUH SARA, Iran

for endoscopy system by combining BIONIC features of some specific animals.

**PRIZE OF THE EUROPEAN ASSOCIATION OF INVENTORS (AEI)**

awarded by Mr. Joachim BADER, President,

to SUNSTORE TECHNOLOGIES, Great Britain

for micro solar cooker.