

**PRIZE LIST OF THE
46th INTERNATIONAL EXHIBITION OF INVENTIONS OF GENEVA – 2018**

GRAND PRIX OF THE INTERNATIONAL EXHIBITION OF INVENTIONS OF GENEVA

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

to Mr Carly SY LAM and Mr Chi Ho TO, Hong Kong,

for DIMS, spectacle lens with multiple “micro-lens segments” project myopic defocus and provides clear vision for the wearer simultaneously. That can slow myopia progression in children by 60%.

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 DRONISTICS developed by Przemyslaw KORNATOWSKI from the Ecole Polytechnique Fédérale de Lausanne, Switzerland,

for their delivery system made with a drone.

PRIZE OF THE WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO)

awarded by Mr Claus MATTHES, Senior Director of the PCT Legal and International Affairs Department,

to Mohd Edyazuan AZNI, Malaysia,

for a lightweight cement board from oil palm frond fibre. It is free from harmful chemical substances and reduce the wall heat transfer as it has low thermal conductivity.

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 Serge CONESA, Switzerland,

for IMMERSION 4 DTM Technology, an innovative solution for cooling electronics and data centres.

PRIZE OF THE CITY OF GENEVA

awarded by Mrs Madame Julie PERRENOUD, Project Manager,

to Nopbhorn LEEPRECHANON, Thailand,

for a real-time responsiveness program for journey sharing through personal car and taxi that has automatic algorithm to pair requirements and to recommend possible match for route, date, time, seat and fare respectively.

PRIZE OF THE INTERNATIONAL FEDERATION OF INVENTOR'S ASSOCIATIONS - IFIA

awarded by Mr Alireza RASTEGAR, President,

to HYPERVISUAL SWITZERLAND, Switzerland,

for Hypervsn, cutting-edge visual solution for a unique 3D video content with holographic effect.

INTERNATIONAL PRESS PRIZE

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

to Razvan SABIE, Romania,

for a lofty aircraft with vertical take-off and landing with superior aerodynamic and handling characteristics.

PRIZE OF THE MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA

awarded by Mr Boris MAKARITCHEV,

to Weidong ZHANG, China,

for a compressed air/electric hybrid drive robot, made of aluminium which has an operation energy consumption reduced by 40%.

PRIZE OF THE NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY – MISIS

awarded by Mr Boris MAKARITCHEV,

to Hamidollah AFRASIABIAN, Iran,

for a cosmetic cream used for rejuvenating face skin and increasing the tonicity of facial tissue.

PRIZE OF RUSSIAN ACADEMY OF SCIENCES

awarded by Mr Boris MAKARITCHEV,

to SHIN SUNG TECH CO. LTD, Korea,

for a drip surveillance system that calculates the remaining quantity by using the method of counting the droplets and the inversion method.

PRIZE OF THE NATIONAL COUNCIL FOR RESEARCH OF THAILAND

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

to THE HONG KONG RESEARCH INSTITUTE OF TEXTILES AND APPAREL, Hong Kong,

for a reliable real-time colour prediction model using big data from Chinese and English social media. The model can be customized for different users.

to MILITARY UNIVERSITY OF LAND FORCES, Poland,

for a technology generating air turbulence on a structure that gives the airplane lift.

PRIZE OF THE MINISTRY FOR SCIENTIFIC RESEARCH AND INNOVATION OF ROMANIA

awarded by Mr Nicolae BURNETE, Minister,

to Negin and Yasamin GHEIDAR, Iran,

for a pot smart enough to examine different items inside it.

to N.N. BURDENKO NATIONAL MEDICAL RESEARCH CENTER OF NEUROSURGERY, Russia,

for a technology of visualization of the skull base and human brain arterial and venous vessels for their topographic and anatomical study.

PRIZE INPI - NATIONAL INSTITUTE FOR INDUSTRIAL PROPERTY - FRANCE

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

to Laurent RAYMONDO, France,

for PROTECFEU – an autonomous and automatic device for homes in sensitive areas against forest fires.

PRIZE OF THE SPANISH OFFICE OF PATENTS AND TRADEMARKS

awarded by Mrs Coro GUTIERREZ PLA, Chief of Business Relations,

to Emilio BLASCO MONTER, Spain,

for a special articulated tool for working in spaces with difficult access.

PRIZE OF THE POLISH OF PATENTS OFFICE

awarded by Mrs Alicja ADAMCZAK, President,

to Eduardo Roberto FERNANDEZ, Argentina,

for TRABALITOS, a teaching method and material to promote / develop kids and adults creativity / inventiveness.

PRIZE OF THE TURKISH PATENT INSTITUTE

Awarded by Mr Salih KOCA, Head of the delegation,

to Rezvan K BARMEHZYAR, Iran,

for a method to check the voltage difference at three points. The advantage is the correct identification between power outage or interruption of a phase or theft.

to NATIONAL INSTITUTE FOR AEROSPACE RESEARCH "ELIE CARAFOLI", Romania,

for a complex method for online identification of mechanical damages using the electromechanical impedance spectroscopy, avoiding the false diagnosis.

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

awarded by Mrs Tatiana Radu, Marketing manager,

to TECHNICAL UNIVERSITY OF CIVIL ENGINEERING OF BUCHAREST, Romania,

for a concrete with gamma ray shielding capacity. It consists of Portland cement, steel shot, natural aggregate, barite waste and water reducing additive.

to NATIONAL INSTITUTE OF RESEARCH AND DEVELOPMENT FOR
TECHNICAL PHYSICS, Romania,

for an apparatus for the determination of the abnormal electrical potentials at ventricular myocardium level.

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

awarded by Prof. Aurelian GULEA, Representative of the Exhibition of Moldova,

to Vasile Iulian ANTONIAC, Aurel MOHAN, Augustin SEMENESCU, Cristian Vasile DOICIN, et al, Romania,

for a cranial implant with osteointegrating structures and functional coatings.

to MOSCOW TECHNOLOGICAL UNIVERSITY, Russia,

for an application polymer microspheres in biotechnology, in particular, in the manufacture of diagnostic test systems.

PRIZE OF PATENT OFFICE OF COOPERATION COUNCIL FOR THE ARAB STATES OF THE GULF – GCCPO

awarded by Mr Ali AL MULLA, Innovation department Manager,

to THE UNIVERSITY OF HONG KONG, Hong Kong,

for a passive LED driver for powering outdoor LED lighting applications like street and highway lighting.

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

awarded by Mr Vadim GOUSSEV, General Director,

to ICPE, Romania,

for a rotary synchronous motor with permanent magnets and axially aligned stator poles.

KING ABDULAZIZ UNIVERSITY SPECIAL AWARDS FOR INNOVATION

awarded by Professor Abdulmonen AL-HAYANI,

to NANO AND ADVANCED MATERIALS INSTITUTE LIMITED, Hong Kong,

for a Super HEPA-grade media to filter PM2.5, neutralize VOC and kill bacteria.

to Sang-Wook LEE, Korea,

for a product that can solve problems of injuries caused by fisherman hooks.

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

awarded by Dr. Sun Wing LUI, President of the Invention and Innovation Federation of Hong Kong,

to MAGELINE, Taiwan,

for Macquarie Collagen Fruity Drink, a versatile drink hydrated, anti-glycated and top-nourished from the inside out.

to SOUTHWEST UNIVERSITY OF SCIENCE AND TECHNOLOGY, China,

for Low-cost and controllable oil bucket, realizing the purification of the contaminated water

and the high-efficient collection of oil.

INTERNATIONAL STRATEGIC TECHNOLOGY ALLIANCE GLOBAL INNOVATION AND INVENTION AWARD

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

to LUCIAN BLAGA UNIVERSITY OF SIBIU, Romania,

for a device for sharpening shaped prismatic tools by round grinding, e.g. equipping devices for turned hemispherical heads to rod type pieces.

INNOVATION PRIZE OF THE HONG KONG SCIENCE AND TECHNOLOGY PARKS CORPORATION

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

to SHENGZHEN SHENGSHI ELEVATOR CO. LTD, China,

for the never fall elevator, by using the embedded spiral lifting system

PRIZE OF THE HONG KONG POLYTECHNIC UNIVERSITY

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

to Soon-ik PARK, Korea,

for a simple snowboard binding to put on.

PRIZE ALI & HOMA - BEIJING NORMAL UNIVERSITY

awarded by Mrs Gaëlle GROSJEAN, Director of the Exhibition,

to Babak JABERINASAB, Iran,

for a sea water purification system device that uses only renewable and clean energy to provide water for drinking and agricultural usage.

SWISS AUTOMOBILE CLUB PRIZE - ACS

awarded by Mr David TAJI, President of the Jury,

to Adnan and Uğur KAL, Turkey,

for an auto regulatory speed bump (ARSB) designed for a smooth drive

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

awarded by Mr Edouard HAEGI,

to Emilio BLASCO MONTER, Spain,

for a special articulated tool for working in spaces with difficult access.

INDUSTRIAL DESIGN PRIZE

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

to Bao-Shen LIU, Taiwan,

for all his inventions.

THE GARCIA CABRERIZO PRIZE - SPAIN

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

to Fernando CASTRO ROJAS, Spain,

for his double dental implant formed by two bodies.

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

awarded by Mr Vadim GOUSSEV, General Manager,

to Carly SY LAM and Chi Ho TO, Hong Kong,

for DIMS, spectacle lens with multiple "micro-lens segments" projects myopic defocus and provides clear vision for the wearer simultaneously. That can slow myopia progression in children by 60%.

PRIZE OF THE YOUNG BUSINESS MANAGERS' ASSOCIATION (GJD)

awarded by Mr Pascal STOUDEUR, President,

to FREL SOLUTIONS SAGL, Switzerland,

for Frels, universal attaching glasses temple extenders that allow the glasses to be kept around the neck.

PRIZE OF THE FRENCH-SWISS CHAMBER OF COMMERCE AND INDUSTRY

awarded by Mrs Charline FABRO, Representative of the Exhibition for France,

to Xavier SEMBELY, France,

for IMMOBLADE, a mini-blinder with customizable inclination of blades, allowing to save more than 10% on building energy consumption.

PRIZE OF THE ITALIAN CHAMBER OF COMMERCE FOR SWITZERLAND

awarded by Mr Mattia D'AGOSTINO, Head of Company Services,

to Nedzad ALIHODZIC, Italia,

for the Carton box supplied with braces that allows to drink and eat while walking with hands free.

PRIZE OF THE EUROPEAN CENTRE FOR APPLIED RESEARCHES

awarded by Mr Mircea TUDOR, President,

to Faraziah HASSAN, Malaysia,

for ANTILARV, a mosquito larvicide prepared using two natural ingredients.

PRIZE LUCIAN BLAGA, SIBIU UNIVERSITY OF ROMANIA

awarded by Prof. Constantin OPREAN, President,

to Aiguo SONG, Dapeng CHEN, Huijun LI, Baoguo XU, China,

for the haptic pen utilizing active and passive actuators with real-time force and vibro-tactile feedback.

PRIZE OF THE TECHNICAL UNIVERSITY OF CLUJ-NAPOCA OF ROMANIA

awarded by Prof. Radu Ioan MUNTEANU,

to Arife Sare AYDIN, Turkey,

for his mechanical stirring pot lid,

to Ion TODERAS, Stefan RUSU, Anatol SAVIN, Dumitru ERHAN et al, Moldavia,

for a product disinfesting the pheasants of ecto- and endoparasites and meeting their physiological needs in vitamins,

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 ILKYUNG INDUSTRY CO. LTD, Korea,

for their shoes that can be transformed into replacement shoes.

to GOOYOUNG CO. LTD, Taiwan,

for a high-tech technology allowing to convert oxygen and water present in the air into high-concentrated ozone and anions

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

awarded by Dr. Sajjad EBADI, Director of International Relations,

to POLITEHNICA UNIVERSITY OF BUCHAREST, Romania,

for their equipment for simultaneous machining holes/micro-holes located in different positions by electrical discharge machining aided by ultrasonic with high productivity and quality.

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

awarded by Mr Masoud SHAFAGHI, Representative,

to Raşit AHISKA, Turkey,

for a desktop thermoelectric ice machine that relates to thermoelectricity, heat pipes and power supplies improvement.

PRIZE OF THE CHINESE DELEGATION FOR INVENTION AND INNOVATION

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

to TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, Romania,

for a blade wind turbine with horizontal shaft capable to optimally capture the wind energy, which it is converted into mechanical rotational energy.

to N.N. BURDENKO NATIONAL MEDICAL RESEARCH CENTER OF NEUROSURGERY, Russia,

for a technology of anterior stabilization of the atlanto-subaxial segments of the cervical spine using of personified stabilizing devices.

to Pi-Yu CHUANG, Ming-Hua TENG, Taiwan,

for an improved corset structure of a half-body type, capable of extending to the thigh and giving more comfort and facility to the user.

to Khalid OTAYF, Saudi Arabia,

for Hearing Colours, a device that helps blind people knowing colours. It is based on a colour.

PRIZE OF THE ROMANIAN DELEGATION OF THE EXHIBITION

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

to Yao-Pin TSAI, Hao-Wei HSU, Wei-Hong CHEN, Chian-Chian WU et al, Taiwan,

for Smart green energy clotheshorse that detects rain and immediately open an umbrella to avoid clothes to become wet.

to MARVEL DIGITAL LIMITED, Hong Kong,

for an advance image rendering algorithms for autostereoscopic 3D display, using lenticular lens technology.

PRIZE OF THE ITALIAN DELEGATION OF THE EXHIBITION

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

to Mario CURIONE, Italia,

for his technique for preparing and working wood paste to make it look similar to stone in particular similar to precious.

PRIZES OF THE TAIPEI DELEGATION

awarded by Mr Bob CHEN, Ambassador of the Cultural and Economic Delegation of Taipei,

to the NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT FOR CRYOGENIC AND ISOTOPIC TECHNOLOGIES, Romania,

for a process for obtaining zeolite X from the oxide fraction separated from fly ash and zeolite X thus obtained.

to Babak JABERINASAB, Iran,

for a sea water purification system device that uses only renewable and clean energy to provide water for drinking and agricultural usage.

to Ismail Arul Raj AMIRUDIN, Malaysia,

for a modern ultra-light wheelchair specifically designed to suit daily use of disables in sporting activities.

PRIZE OF THE INVENTIONS ASSOCIATION OF TAIWAN

Awarded by Dr. Klement Ruey-Sheng GU, Ambassador of the Cultural and Economic Delegation of Taipei,

to Usanee VINITKETKUMNUEN, Thailand,

for standardized extracts rich in flavonoid that inhibit cartilage degradation

to KEPCO (KOREA ELECTRIC POWER CORPORATION), Korea,

for a method of construction and equipment for the installation of commercial aircraft-electric cable (

to Jian ZHANG, Yongding TIAN, Futao NI, Wenju ZHAO, China,

for an automatic inspection and rapid assessment system based on an unmanned aerial vehicle (UAV) and microwave radar for structural assessment of bridges.

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

awarded by Mr Bernard GUTFRIND, President,

to François CHEVALIER, France,

for the process for nature and human health, allowing turf implantation and other plants on any nature of soil.

PRIZE OF THE MALAYSIAN ASSOCIATION OF RESEARCH SCIENTISTS - MARS

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

to WROCLAW UNIVERSITY OF ENVIRONMENTAL AND LIFE SCIENCES, Poland,

for an efficient chemical synthesis of novel chalcones, O-alkyl naringenin derivatives and their oximes.

to GRAPE KING BIO LTD., Taiwan,

for a fermentation technology to increase the production of active ingredients enriched-Hericium erinaceus mycelia to prevent or improve age-related hearing loss.

PRIZES OF THE KOREAN INVENTION PROMOTION ASSOCIATION - KIPA

awarded by Mr LEE Joonseok, President,

to JIANMAO BIOTECH CO. LTD, Taiwan,

for X'LIFE, a fermentation method that, without sugar add but only probiotics into the juice extracted from a whole lemon, ferments the lemon peel and release more polyphenols.

to Charturong TANTIBUNDHIT, Thailand,

for Cutis.AI: an artificial intelligence mobile app for screening with accuracy comparable to that given by well-trained dermatologist.

to Sergej SUNTSOV et Valerij DEREVJANKO, Russia,

for a radio engineering with low-temperature jointly sintered multilayer ceramics aiming the reducing of powerful radio components temperature

to Chanai NOYSANG, Thailand,

for cosmetics with Lotus stem cell extract used for whitening and anti-wrinkle.

to SHENGZHEN SHENGSHI ELEVATOR CO. LTD, China,

for the never fall elevator, by using the embedded spiral lifting system.

to Joud ALTUNISI, Saudi Arabia ,

for Fountain Energy Harvester, a device that generates electric energy from fountains by means of a fallen-water driven-gear that is connected to an electric generator.

ARCA SPECIAL PRIZE OF THE UNION OF CROATION INVENTORS

awarded by Mr Ivan VLAINIC, Representative of the Exhibition for Croatia,

to Yue CHEN, Hongwei HAO, Hao CHEN, Bozhi MA et al, China,

for a remote programming system used for monitoring and controlling the IMD remotely, utilizing real-time communication.

to DSG SRL, Italia,

for manhole and pothole whose locker is equipped with a patented mechanical combination which prevents its opening by unauthorized people.

PRIZE OF THE GERMAN ASSOCIATION OF INVENTORS

awarded by Mr Hans-Georg TORDEL, Project Manager,

to SHENGZHEN SHENGSHI ELEVATOR CO. LTD, China,

for the never fall elevator, by using the embedded spiral lifting system.

PRIZE OF THE POLISH INVENTORS AND RATIONALIZERS ASSOCIATION

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

to Sudarat CHAIPIANCHAROENKIT et Bunyong RUNGROUNGDOUYBOON, Thailand,
for Smart expandable circular retractor for breast surgery.

to Noorazizi MOHD SAMSUDDIN, Malaysia,

for a surgical drill consisting in an optimal design for delivering superior control, accuracy and performance.

PRIZE OF THE EUROPEAN ASSOCIATION OF INENTORS (AEI)

awarded by Monsieur Hans-Georg TORKEL, Vice-President,

to Franck Savard et Christian Gauthier, France,

for a bike safety system.