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#### **IFIA & WIPO GREEN MEETING:** STRENGTHENING BILATERAL COOPERATION



A meeting was held between IFIA and WIPO GREEN on Friday, April 13 in WIPO Headquarters with the participation of IFIA President, Mr. Alireza Rastegar and his team as well as Mr. Minelik Alemu Getahun, Assistant Director General, Mr. Edward Kwakwa, Senior Director, Ms. Marion Dietterich, Director and Ms. Anja von der Ropp, Program Officer.

Initially, Mr. Minelik Alemu Getahun briefly explained the latest changes in WIPO GREEN activities, membership, and statistics highlighting a steady increase in membership.

IFIA team posed some questions regarding the newly-launched Experts Database, a community of professionals from around the world who are able to provide necessary services in the field of business, engineering, finance, IP law, and etc.

It was mentioned that the WIPO GREEN database had over 340 registered experts by the end of the 1st quarter. IFIA President stated that he would urge IFIA members to join the database and will raise further awareness about this database among IFIA members.

Ms. Anja von der Ropp pointed the Matchmaking project in three focus countries including Cambodia, the Philippines and Indonesia. The objective is to highlight needs in the field of agriculture, clean energy, air and water, and match them with technologies already existent on the WIPO GREEN database and within the wider network.

After IFIA team presented a green technology which saves 80 percent of the energy, Mr. Minelik Alemu Getahun proposed to introduce the technology during the matchmaking event where the green technology seekers would attend.

Finally, IFIA President awarded IFIA's 50 anniversary logo to Mr. Minelik Alemu Getahun in order to appreciate the bilateral collaboration between IFIA and WIPO GREEN.

#### IFIA & WIPO IAP MEETING:

**OPENING NEW WINDOWS OF COLLABORATION** 



A meeting was held between IFIA and WIPO on patented via WIPO IAP in this section of Friday, April 13 in WIPO Headquarters with the participation of IFIA President, Mr. Alireza Rastegar and his team as well as Mr. Marco Aleman, Director, Patent Law Division, Ms. Allison Mages, Head, Legislative and Policy Advice Section and Ms. Giulia Ragonesi, Associate Legal Officer, Legislative and Policy Advice Section.

Initially, Mr. Aleman provided updates on Inventor Assistance Program (IAP), of which IFIA is a sponsor, and thanked IFIA for cooperation to raise awareness regarding this program and introducing the contacts in the relevant countries where the program has been executed. Mr. Aleman mentioned that so far over 25 ap plicants have been able to obtain free of charge consultation from patent attorneys to file their patent applications.

After Mr. Aleman stated that IAP has been implemented in Africa, Mr. Rastegar pointed that recently several associations from the African continent has joined IFIA members which creates a better opportunity for them to become aware of IAP and benefit from the pro bono services to draft their patents efficiently.

IFIA team also explained the development of IFIA Virtual Hall of Inventions where the promising inventions are inserted and promoted via the newsletter, Magazine and social networks. Mr. Aleman welcomed the idea and suggested to advertise the inventions which are IFIA website which was willingly admitted by IFIA President.

It was also agreed for IFIA to submit an updated list of IFIA members so that the contacts required by WIPO to implement the IAP could be selected.

Meanwhile, IFIA proposed to encourage IFIA members who are patent attorneys to provide pro bono assistance and consultation for filing the PCT in the underprivileged countries.

Afterwards, Mr. Aleman explained their intention to establish a day titled "Inventor of the Year" to introduce the top inventors of IAP and award them. IFIA team offered to collaborate in the organization of this event.

Finally, IFIA President awarded IFIA's 50 anniversary logo to Mr. Aleman in order to appreciate the bilateral collaboration between IFIA and WIPO through all these years.

#### IFIA & WIPO CENTER MEETING:

## RAISING AWARENESS ON WIPO ALTERNATIVE DISPUTE RESOLUTION

Mr. Leandro Toscano from WIPO Arbitration and Mediation Center paid a visit to IFIA booth during Geneva International Invention Exhibition on April 12th to discuss the collaboration between IFIA and WIPO Center with regards to WIPO Alternative Dispute Resolution (ADR).

It was agreed to organize a video conference during Silicon Valley International Invention Festival 2018 (SVIIF) in order to make the participants familiar with positive opportunities for dispute settlement instead of court litigation which is not time or cost efficient.

Mr. Toscano also welcomed the idea of organizing offline seminars or conferences alongside IFIA official events to raise awareness on how to submit a dispute to mediation.

He also provided some explanations regarding unilateral request for WIPO Mediation Option when no mediation agreement exists between the parties. To facilitate submission of such disputes to WIPO Mediation, a party may submit a unilateral Request for Mediation to the WIPO Center under the updated WIPO Mediation Rules effective since January 1, 2016. The WIPO Center may then assist the parties or, upon request, may appoint an external neutral to provide the required assistance.





Mr. Masoud Tajbaksh, Representative of International Federation of Inventors' Associations (IFIA) visited Belgrade Polytechnic to focus on the academic cooperation protocol agreement between College of Vocational Studies Belgrade Polytechnic and IFIA.

Belgrade Polytechnic Director, Prof. Dr. Marina Stamenovic had a meeting with Mr. Masoud Tajbaksh about the improvement of the academic cooperation between the two institutions at the Director's Office.

The current accredited study programs realized today consist of sections unified by the mission and vision of the Belgrade Polytechnics with the goal to educate different profiles of higher education personnel for the needs of specific industries, and to educate specialists for narrow areas of expertise.

All Study Programs require practice either to be working, professional, specialist or a professional project and final thesis. Within-subjects or groups of subjects, students are introduced to real-time modern technology and organization through student visits, practical and/or laboratory work in order to gain necessary knowledge and skills needed for direct involvement into the work process and to understand the profession.

The School has established a quality system according to basic settings to SRPS ISO 9001, which ensures that all study programs have the same level of quality and are in compliance in terms of content, planning, implementation, monitoring, and evaluation.

### IFIA DIRECTOR MEETS WIPO DIRECTOR GENERAL IN BOSNIA & HERZEGOVINA

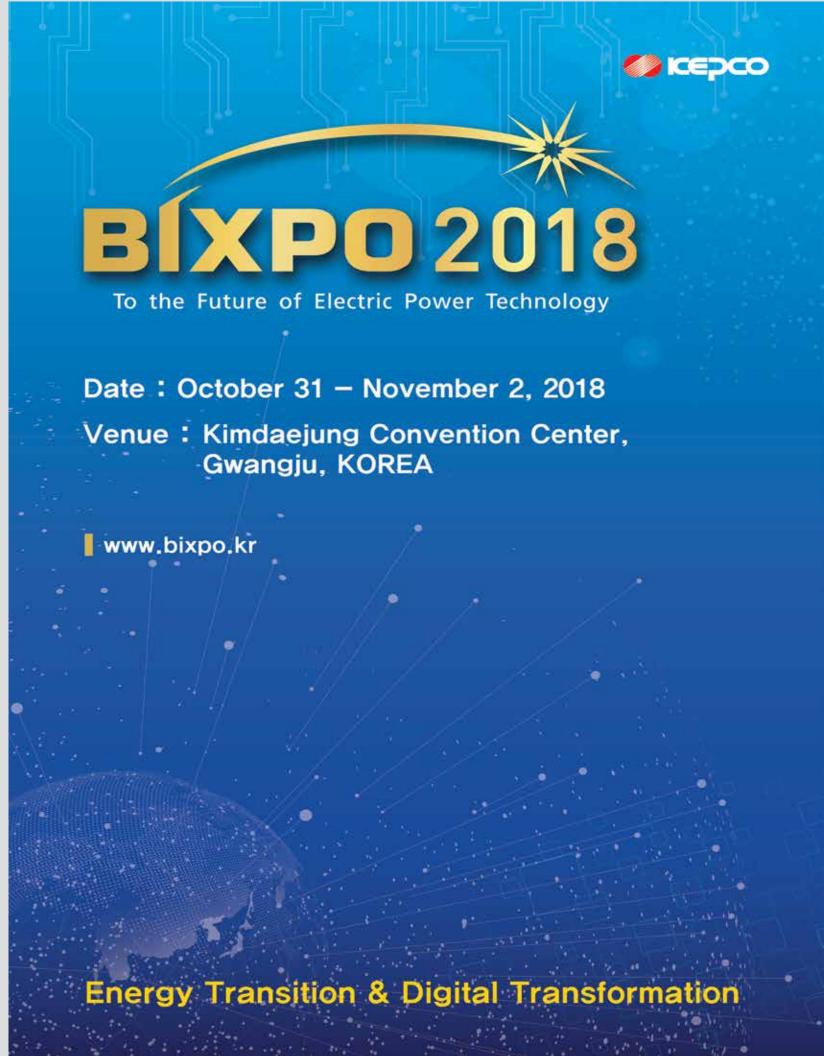
The WIPO Director General, Mr. Francis Gurry paid a visit to Bosnia and Herzegovina on Wednesday and Thursday, 14 and 15 March 2018. On the first day, he held meetings with Mr. Bakir Izetbegović, member of BiH Presidency, Mr. Mirko Šarović, BiH Minister for Economy and Foreign Trade, and Mr. Josip Merdžo, General Director of BiH Institute for Intellectual Property. Protection of intellectual property generally and, especially, branding of autochthones agricultural products of BiH were the principal subjects of these exchanges of views.

The next day, March 15, Mr. Gurry had a meeting with the university academicians, students and professors in the Faculty of Mechanic Engineering in Sarajevo. He organized a conference titled "Intellectual Property in Modern Economy", stressing role of branding in modern times.

As the conference finished, Mr. Husein Hujić, IFIA Director, approached Mr. Gurry expressing him welcome to Sarajevo and reminding that he had hosted and offered lunch in his WIPO "round corner restaurant" to the delegations of IFIA some years ago.

Mr. Francis Gurry expressed sincere satisfaction for that unexpected and unconventional meeting, and thanked Mr. Husein Hujić for the IFIA pencil he offered.





WIPO BESTOWS
THREE AWARDS
ON IFIA:

**SUPPORTING SVIIF 2018** 

WIPO Director General, Mr. Francis Gurry, supports Silicon Valley International Invention Festival (SVIIF) 2018, to be held from July 2nd-4th, by offering three WIPO Awards to be presented in the awarding ceremony to the best showcased inventions as selected by the Jury Board.

IFIA extends the most profound appreciations on the positive contribution provided by WIPO to support the inventors attending SVIIF 2018 and the assistance for the dissemination of the culture of invention and innovation which is a shared goal of IFIA & WIPO.



# Property and the Life Sciences

A WIPO Course for the Participants of the L'Oréal-UNESCO For Women in Science Programme















# SILICON VALLEY USPTO COLLABORATES IN SVIIF 2018: IP WORKSHOP

Silicon Valley U.S. Patent & Trademark Office (USPTO) collaborated and participated in the Silicon Valley International Invention Festival (SVIIF) which was held from July 2nd to 4th.

Mr. John Cabeca, Regional Director of Silicon Valley USPTO organized a workshop and led a discussion on intellectual property (IP) strategies and why entrepreneurs should consider them.

The following topics wete covered in this session:

- Overview of intellectual property types: patents, trademarks, copyrights, trade secrets
- Why should innovators and entrepreneurs consider protecting their IP?

- Understanding the risks of early disclosure
- Resources and assistance available through the USPTO

#### **Speakers**

John Cabeca

Director of the West Coast United States Patent and Trademark Office in Silicon Valley

A veteran of the U.S. Patent and Trademark Office for over 27 years, Mr. Cabeca previously served as the Senior Advisor to the Under Secretary of Commerce for Intellectual Property and Director of the USPTO. In this role, he worked closely across the Agency's leadership to implement the policies and priorities for the USPTO. He began his career at the USPTO as a patent

examiner after graduating from Widener University with a bachelor's degree in electrical engineering. Mr. Cabeca became a Supervisory Patent Examiner in 1997 and joined the Senior Executive Service in 2008 serving as a Patent Technology Center Director over the semiconductor and electrical systems technologies.

Mr. Cabeca has dedicated much of his career to the USPTO's outreach and education programs focusing on small businesses, startups and entrepreneurs.

Stephen (Steve) Koziol

Assistant Regional Director of the Silicon Valley regional office of the United States Patent and Trademark Office

Mr. Koziol joined the USPTO in 2007 as a patent examiner, and has managed teams of examiners in the computer graphics and digital imaging fields. For the last two years, Mr. Koziol has worked in the Rocky Mountain regional office of the USPTO in Denver, CO, where he led the design and implementation of various intellectual property outreach and education programs. He has also focused on the development of patent-specific programs within the USPTO, including the Post-Grant Outcomes program, AIA First Inventor to File implementation, AIPLA Partnering in Patents, and patent operations cost and fee modeling.

Mr. Koziol received his Bachelor of Science degree in Electrical Engineering from Bradley University in Peoria, Illinois.

## IFIA SPONSORS CAMPUS PARTY:

### THE LARGEST GLOBAL TECHNOLOGY FESTIVAL

IFIA becomes the international sponsor of Campus Party, the largest global technology festival that has been attracting diverse groups of people who share, learn, play and create together. For over 20 years, more than 60 editions have been held across Europe, Latin America and America. Each edition typically lasts for four days with mini events and activities such as talks, workshops, performances and challenges running non-stop. This fun, innovative mega event churns out 400 over hours of content each time, covering esoteric topics from cyber security and artificial intelligence to digital music and electronic sports.

The multi-disciplinary nature of Campus Party has been exciting thousands of people of all ages particularly students and young working professionals between the ages of 18-35. In July 2018, SingEx will be hosting Campus Party for the first time in Singapore and Asia! At first glance it looks like a start-up conference or another hackathon but it is far from it. Campus Party is a ground-up movement that brings together typically unconnected people and their passions to understand more about technology so that they can shape the future. It provides a conducive environment for personal transformation where participants, affectionately known as Campuseros, can pick up new skills and try applying them in a range of activities designed to uncover talent.



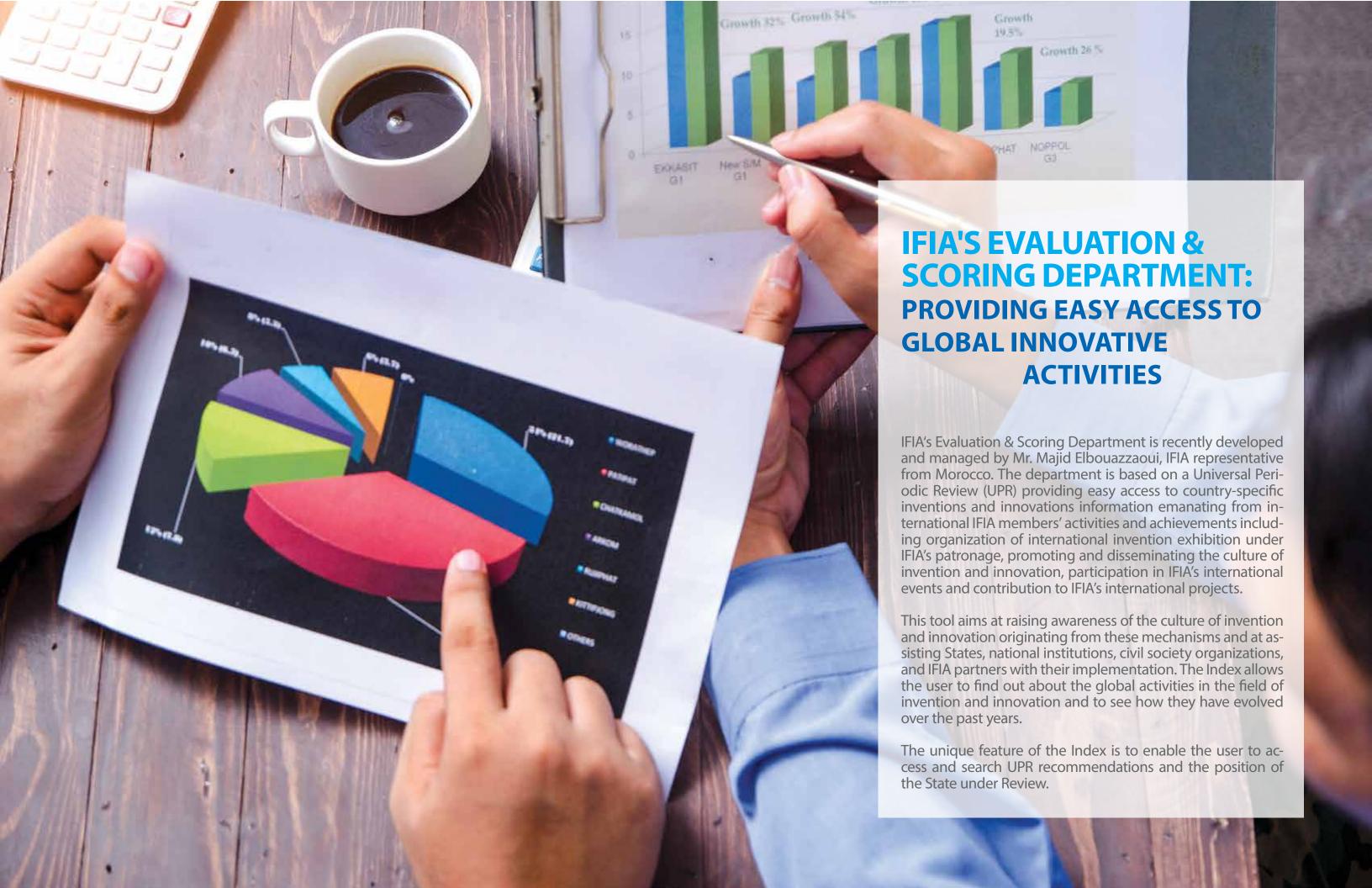


Join us for the largest festival of ideas, inspiration, inventions, discussions, debates, workshops, creativity kitchens, music, maker labs, technology. Join the community, join the future.

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#### **IFIA FPME:**

## PROMOTING INNOVATION IN THE MIDDLE EAST

In the year 2016, the International Federation of Inventors Associations (IFIA) has selected The National Association for Science and research (NAS) as its Focal Point in the Middle East (IFIA FPME). IFIA FPME serves members in the area to enhance communication between them, and encourage inventors and innovators in this region.

IFIA FPME conducts meetings with associations, organizations, leading companies and decision makers to analyse their needs and assess potential involvement in innovation related projects. Several delegations have visited IFIA FPME, including a delegation from Tunis Science City headed by the President Dr. Khaled Hani, a delegation from Afri-

ca City of Technology – Sudan headed by the President Dr. OusamaRayes, in addition to a delegation from Iran headed by Dr. Shariatmadar.

IFIA FPME intends to organize the 2nd Beirut International Innovation Show (BIIS) between February 28 and March 2, 2019. BIIS aims to become a global leading venue for Innovators, Inventors and Investors with strong emphasis on Technology Transfer and Research Valorization. All details will be revealed soon with invitation to all IFIA members to participate.







#### **IPITEX 2018:**

#### THE BIGGEST INVENTION COMPETITION IN ASIA

Bangkok International Intellectual Property, Invention, Innovation and Technology Exposition (IPITEX) as both an important annual event in Thailand and one of the biggest invention competitions in Asia, was held from February 2 to 6, 2018 in Bangkok International Trade & Exhibition Center (BITEC) to create a network between Thai and International inventors. IPITEX was hosted by National Research Council of Thailand (NRCT) under the patronage of International Federation of Inventors' Associations (IFIA).

Thailand Inventor's day was also organized on February 2nd alongside IPITEX to provide a platform for the inventors and innovators on one hand and investors on the other hand to seek business opportunities, bilateral cooperation or investment.

Thailand Inventor's day was officially opened with the participation of ACM Prajin Juntong, Deputy Prime Minister of Thailand, Prof Sirirurg Songsivilai, Secretary General of National Research Council of Thailand and Mr. Alireza Rastegar, IFIA President.

Over 1000 inventions were showcased at the exhibition in two categories of "Inventions for Society and Quality of Life" and "Innovations for Industry". 28 organizations and 19 countries including Iran, Poland, China, Japan, South Korea, Malaysia, Indonesian, Sri Lanka, Lebanon, the United Arabic Emirates, Egypt and Switzerland exhibited the technologies in the international pavilion.

More than twenty thousand visitors paid a visit. The delegations from Taiwan, Province of China, showed their soft power in the competition and became the most awarded country, which drew the world's attention. Thailand government encouraged the inventors from Taiwan, Province of China, to join the Inventor's day to be internationally recognized and exchange innovative knowledge with the world inventors.













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# OVER 700 INNOVATIVE PROJECTS SHOWCASED IN ARCHIMEDES 2018



The 21st Moscow International Salon of Inventions and Innovative Technologies "Archimedes 2018" took place at the Moscow Exhibition and Convention Centre "Sokolniki" from 5th to 8th of April 2018.

More than 250 organizations, participants from 27 countries and 55 regions of the Russian Federation, presented more than 700 innovative projects and inventions in Archimedes 2018.

The main aims of the Salon in 2018 are stimulation of inventive, patent-licensing and innovation activities, development of the market for the results of intellectual activity and assistance in promotion of new products and services.

During the preparation and organization of Salon "Archimedes" special competitions were organized with the support of Ministry of Defense of the Russian Federa-



tion, Federal Service for Intellectual Property (ROSPATENT), Department of Housing, Utilities and Amenities of Moscow, Department of City-Building Policy of Moscow, Ministry of Interior, Emergency Management and Natural Disasters Response, Governmental corporation "ROSCOSMOS" and other partners of the Salon.

Several important events took place throughout the Salon's business program including International conference on the relevant issues of inventive, innovative and licensing activities.

Over the 4 days of the Salon work, it hosted more than 5000 visitors. Among them, there were organized groups of schoolchildren, students, delegations of Russian and foreign organizations.

Expert commission and International Jury of Salon "Archimedes" evaluated the participants and awarded the most outstanding inventions in nominations.







#### MTE 2018: SUCCESSFULLY CONCLUDED IN KUALA LUMPUR

The 17th Malaysia Technology Expo 2018 (MTE 2018), an international exhibition on inventions and innovations and its concurrent innovation awards held annually in Kuala Lumpur was successfully concluded recently at the Putra World Trade Centre, Kuala Lumpur from the 22 – 24 February 2018.

This year, at least 19 participating countries and an increase of exhibiting organizations and award entries were welcomed. The participation of the National STEM Movement was seen for the first time launching the inaugural STEM Mentor-Mentee Awards 2018. MTE2018 provided the platform and sponsorship to make this event a reality and to recognize the Institution of Higher Learning in their contribution, commitment and excellence in STEM Mentor-Mentee Initiatives.

The exhibition attracted 135 organizations which comprised of local & International companies, universities, institutions of higher education, research institutions, foreign invention associations, individual inventors and schools.

There were 521 exhibits at MTE 2018 out of which 295 innovations entered into the Invention and Innovation awards.













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# THE 46TH INTERNATIONAL EXHIBITION OF INVENTIONS OF GENEVA

The 46th International Exhibition of Inventions of Geneva, started on Wednesday 11th of April, with the presence of 822 exhibitors from 40 countries convened in Palexpo's Hall 7. This event, which lasted until Sunday 15th of April, was inaugurated by the Federal Counselor Ignazio Cassis, the Geneva's authorities and IFIA President, Alireza Rastegar. 1'000 inventions were gathered in the event and a great attraction of visitors from outside the competition was witnessed.

An interview room was set up for IFIA at the center of the exhibition to interview the inventors, delegates of inventors associations and the authorities visiting the event. The main purpose behind installing this room was for IFIA to give









international recognition to the innovative projects showcased in this event.

The Grand Prix at the 46th International Exhibition of Inventions of Geneva was awarded to Professors Carly Sy Lam and Chi Ho To from Hong Kong in China for their multi-segment lens for glasses designed to defocus short-sighted vision, enabling myopia to be controlled.

IFIA's Best Invention Medal was granted to a team of inventors from Switzerland for their eye-catching innovation titled "Hypersvn" which combines uniquely a smart management system platform and a projection unit, a hi-tech hardware device generating 3d visuals perceived as high-resolution holograms floating in the mid-air.

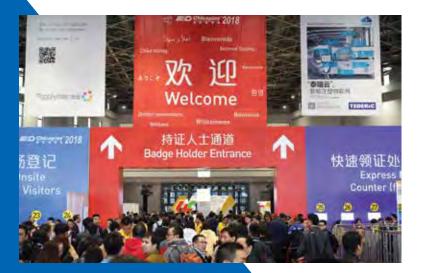
The International Exhibition of Inventions of Geneva also honored 45 other top inventions among the thousand or so innovations presented there.



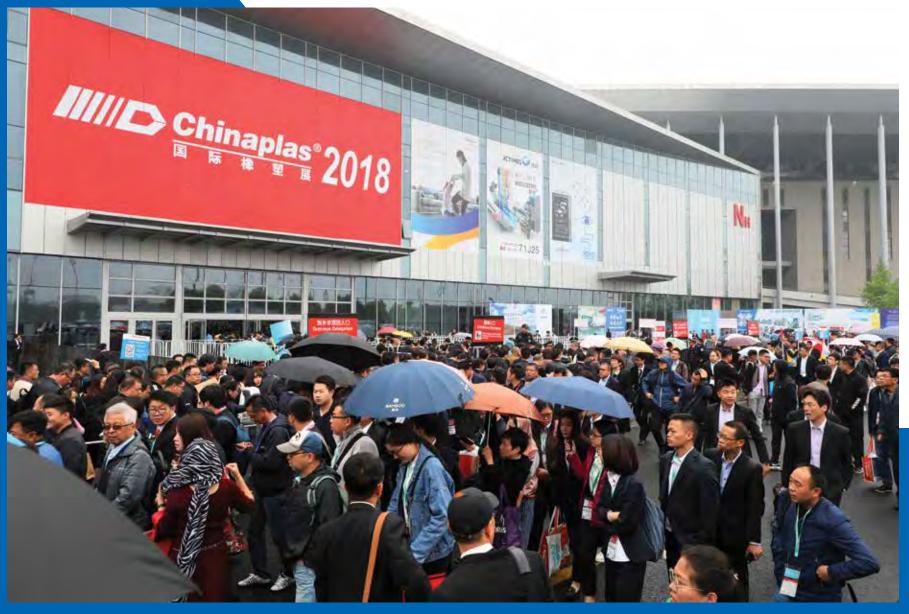












# BIGGEST CHINAPLAS IN HISTORY WELCOMED 180,701 VISITORS!

A highly successful CHINAPLAS 2018 concluded its four-day show on April 27, 2018 in Shanghai. A total of 180,701 professional buyers from all over the world visited CHINAPLAS during the four days at the new show venue, the National Exhibition and Convention Center (NECC), Shanghai, PR China. CHINAPLAS 2018 recorded the highest visitor count in history, and the show also set a new record in terms of exhibition space.

CHINAPLAS 2018 attracted 180,701 professional buyers. The number of overseas visitors totaled 47,900, accounting for 26.5% of the total. They came from 150 countries and regions, including Hong Kong, India, Indonesia, Iran, Italy, Japan, Korea, Russia, Taiwan, Thailand, Turkey, the U.K., Vietnam, and United States, among others. Compared with the Shanghai edition of show two years ago (at the previous venue in Pudong), the number of visitors increased remarkably by 21.6%. The total also rose by 16.4% compared with last year's Guangzhou edition of the show.

Ada Leung, General Manager of CHINAPLAS organizer Adsale Exhibition Services Ltd., was delighted by the results. "I have never seen such a huge number of visitors before," she said. "Most of our exhibitors were satisfied with the result," added Leung.

Compared with previous editions, more and more visitors of CHINAPLAS are from Product/Industrial Design industries. The concurrent event - CMF [Color, Material and Finish] Inspiration for Design x Innovation, has got the overwhelming response onsite as well.

#### New journey in 2019

CHINAPLAS 2019 will rotate to Guangzhou, running from May 21- 24, 2019. Stay tuned to explore the new element in design together with the Asia's no. 1 trade show - CHINAPLAS!



# THE MOST AMAZING TECHNOLOGIES DISPLAYED IN OCE DISCOVERY CONFERENCE



Once a year, Ontario trots out its brightest companies, hippest startups, and most amazing technologies and sets a stage for it all at OCE Discovery conference in downtown Toronto. This year, over 3,600 attendees, 550 companies and exhibitors made Discovery a pretty hot ticket.

During her keynote speech, Megan Smith–once a CTO of the United States, a VP at Google, an MIT graduate, and now spearheading shift7 (that's the "&" symbol on the keyboard)–gave a Silicon Valley blessing to the Canadian event. Smith expressed her belief that "if we include everyone, we can fix nearly everything."

First day of the event started with the participation of Sophia, the first human robot and her inventors joined the opening ceremony with hologram while he was in Hong Kong. This event took place for two days and in the second day Minister of Innovation, Reza Moridi participated in the award Ceremony.

The First Institute of Canadian Inventors (FICI) was one of the participants on this event as a representative of the International Federation of Inventors' Associations (IFIA). During two days of event FICI made many partnerships and collaborations with all colleges and universities of Ontario and many of the high-tech companies such as IBM.

Many Canadian entrepreneurs and inventors were benefited from FICI's services during this event and they got familiar with supportive programs offered by IFIA and also Government of Canada. Few inventors and entrepreneurs also registered for international competitions through FICI booth. At the end of the event FICI hosted Hon. Reza Moridi, Minister of Innovation, Science and Education. During his visit from FICI's booth, Babak Khodaparast, President of FICI and representative of IFIA in Canada, gave him a complete update of their recent activities and future competitions. He was impressed by FICI's activities and pointed they have done a great job so far.



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#### **INNOVACITIES 2018:**

# INTERNATIONAL FAIR OF APPLIED SCIENCES, INVENTIONS, INNOVATION AND BUSINESS



Expectations for the 10th INNOVACITIES – International Fair of Applied Sciences, Inventions, Innovation and Business have been overcome. Success was the synthesis in all aspects in the main event of technological innovation of the West of Paraná.

The 10th INNOVACITIES was held in conjunction with the 1st TECHNOVAÇÃO – Municipal Innovation Fair of the municipality of Cascavel, at the Convention Center, from May 17 to 20, in the State of Paraná, Brazil.

ABIPIR accepted an invitation for technical cooperation with FUNDETEC – Foundation for Scientific and Technological Development, an organ linked to the municipal government of Cascavel because there was in fact the prioritization of its Mayor, Mr. Leonaldo Paranhos (management 2017-2020), to consolidate Cascavel as an innovative city, from Technology and Education in the western region of Paraná aiming at the work of ABIPIR since 2011, acting at national and international level on the fronts that foster and

promote territorial development through innovation and education.

The 10 INNOVACITIES awards were awarded in 9 categories: 12 institutions, 23 projects and 49 researchers and entrepreneurs, including the delivery of the innovative Consciousness Trophy for the Brazilian Social Scientist Moema Viezzer, for his extraordinary biography of social achievements for humanity, and the Alireza Rastegar Trophy for young innovative researchers from the Federal Institute of Paraná (IFPR), André Luiz Dengo and Samuel Neitzke Pontes, for the invention "Searching for Low-Cost Technological Solutions for Regional Development.

Students, academics, scientists, inventors, entrepreneurs, investors, startups and the community at large were able to get to know the innovative thinking of specialists and researchers, disruptive thinkers and visionaries, and create and increase their networks, regional and interact with more than 60 simultaneous attractions for all ages and public, during the four days of the event.









#### EUROINVENT 2018 BRINGS THE REPRESENTATIVES OF 35 COUNTRIES TOGETHER IN ROMANIA

European Exhibition of Creativity & Innovation (EUROIN-VENT) was held with the participation of over 16 foreign official delegations, which represented 35 countries at the exhibition and Conference. The EUROINVENT Festival was opened on 17th of May in the presence of distinguished

figures and closed on 19th of May at Palace of Culture lasi, Romania.

After the welcome speeches, a special moment was dedicated to celebrate the 100th Anniversary of Modern Romania, 50th Anniversary of IFIA, 15th Anniversary of Romanian Inventors Forum and 10th Anniversary of EUROINVEN.

Afterwards, the official foreign delegates were invited on stage to receive the Ambassador of Innovation award for supporting the creativity.

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

EUROINVENT 2018 International Conference on Innovative Research (ICIR) brought together leading researchers, engineers and scientists who presented actual research results in the field of Materials Science and Engineering. The conference provided 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.

The Jury was formed by specialists in various branches. Each project was evaluated by two Jury members, one Romanian and the other International.

The inventions and research projects were awarded with medals, awards or special prizes from the official delegates. The grand award beneficiates of a prize of 10.000 Lei was offered by Fundatia Dan Voiculescu pentru Dezvoltarea Romaniei.

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## INVENT ARENA 2018 BRINGS OVER 4000 VISITORS & 380 INVENTORS TOGETHER

The second year of the International Exhibition of Technical Innovations, Patents, and Inventions INVENT ARENA was held in Trinec from 20th to 22nd June 2018.

The 2018 INVENT ARENA was held under the auspices of Mr. Alireza Rastegar, the President of the International Federation of Inventors' Associations, the Ministry of Education, Youth and Sports, the Ministry of Industry and Trade, the Czech Chamber of Commerce, the Czech Academy of Sciences, the Technology Agency of the Czech Republic and Věra Palkovská, Mayor of the City of Třinec.

This year's Invent Arena was financially supported by the Moravian - Silesian Region, the city of Trinec and by the Steel Union.

Over 47 exhibitors from 22 countries all over the world took part in the exhibition. The larger part of the 1 500 m2 exhibition space belonged to the domestic exhibitors. The second part was occupied by the foreign exhibitors, who arrived mainly from other European countries (Poland, Slovakia,

Romania, Bulgaria, Serbia, Slovenia, Russia, Macedonia or Bosnia and Herzegovina), but also from more distant destinations, such as Taiwan, China, United Arab Emirates, Saudi Arabia or Indonesia.

For three days, over 4 000 visitors could see more than 140 inventions and innovations which were signed up by over 380 inventors for the best invention competition. The exhibits were judged by the international jury of experts from among the organizers and representatives of foreign inventors' organizations. The best innovations were awarded by the gold, silver and bronze medals or by one of the special prizes.

The Gold IFIA Medal was granted to ROTA-PHONE, a new mechanical sensor system and measurement method for detection of seismic ground motions.

The Grand Prix winner was selected out of the winners of the eight categories; the prize winner was "Pipeline leakage detection system" of ENV







# INTARG 2018: HELD IN THE LEADING CENTER OF ECONOMY AND INDUSTRY IN POLAND

The 11th edition of International Invention and Innovation Show INTARG 2018, recognized as IFIA official event, finished on Tuesday June 21st in International Congress Center in Katowice, capital of the leading center of economy and industry in Poland.

This year's edition of INTARG was supported by many of Polish leading institutions (Ministry of Science, Patent Office, President of Silesia Region and of Katowice City and many others), international organizations (IFIA, Polonia International Foundation) and media, by granting honorary patronage, assuming the role of partners or media partners.





INTARG was inaugurated by the President of Katowice City, IFIA Director and President of Polonia International Foundation. General Director of Ministry of Science, General Director of Polish Patent Office, President of Silesian Supervisory Board, President of Katowice Polish Federation of Engineering NOT, General Director at Katowice Marshal's Office and many others attended the result announcement Gala. The presence of many journalists from television, radio and press guaranteed wide media coverage for INTARG 2018.

The exhibitors represented research units, production enterprises, start-ups as well as high schools and schools of higher education. There were also the stands of governmental agency for development of science, local government units, service rendering compares and entities from business surrounding. The program of the invention show was enriched with numerous conferences and accompanying events (gala, networking cocktail, B2B meetings).

The event attracted participants from 14 countries: Bosnia and Herzegovina, Canada, Croatia, France, Hong-Kong, Germany, Iran, Macedonia, Poland, Romania, Thailand, Tunisia, Taiwan, and Vietnam.



economic situations.

KIWIE 2018 offered an opportunity to raise the global status of women and strengthen the solidarity and cooperation among world women inventors.

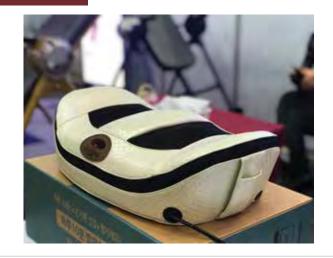
To honor the accomplishment of women and their contribution to the advancement of technology, IFIA Best Invention Medals were awarded by Mr. Masoud Shafaghi, IFIA Strategic Planning Manager, to two outstanding women inventors.

The first one was granted to Mrs. Manel Kanthi Mahanama from Sri Lanka for her innovation titled "Ideal flowers based on natural rubber latex for flower decoration". Synthetic flowers are innovated based on natural rubber latex which has similar appearance, texture and properties to natural flowers and leaves. The most important and valuable benefit of this Eco-friendly product is that it can be produced under cottage industry due to the simplicity of the technique and low cost of the production. Other than that, there are several benefits such as withstanding extreme weather condition, being washable, being easily transported and flexibility of the product. According to the above- stated reasons, Sri Lanka will pride itself for manufacturing value added synthetic flowers and leaves depending on the natural rubber as raw material to expand the local and global rubber market.

The other IFIA award was conferred to Mrs. Flordeliza Ursua from the Philippines for the ornamental design of a flute musical instrument which is made of Bamboo.

The 11th anniversary of Korea International Women's Invention Exposition, KIWIE 2018, organized by Korea Women Inventors Association (KWAI) took place from June 28th to July 1st in Seoul, Korea under the patronage of IFIA convening around 300 women inventors from 24 countries. The large participation of women and extensive display of inventions is a good testimony of the passion of women for invention.

Since its foundation in 1993, Korea Women Inventors Association has played a leading role in women's development by continuously providing various IP training and support programs to help women discover their creativity and improve their





# SILICON VALLEY INTERNATIONAL INVENTION FESTIVAL 2018 KICKS OFF IN SANTA CLARA

Silicon Valley International Invention Festival (SVIIF) was organized in Santa Clara Convention Center from 2 to 4 July 2018 by Korea Invention Promotion Association (KIPA), hosted by International Federation of Inventors' Associations (IFIA), supported by World Intellectual Property Organization (WIPO), Mayor of Santa Clara and Santa Clara University with the collaboration of United States Patent and Trademark Office (USPTO).

Around 200 inventions, innovative projects and technologies from 25 countries including South Korea, China, Chinese Taipei, Romani, Poland, Angola, Canada, Thailand, USA, Egypt, UAE, Ghana, Iraq, Sri Lanka, Iran, Croatia, Indonesia, Hong Kong, Germany, Turkey, and Russia were showcased in SVIIF 2018.

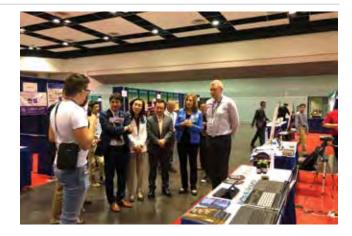
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During the opening ceremony, keynote speeches were delivered by such outstanding figures as Mr. Joon-seok Lee, KIPA President, Mr. Alireza Rastegar, IFIA President, Mr. John Calvert, UIA President, Mr. John Cabeca, Regional Director of USPTO, Ms. Lisa Gilmor, Mayor of Santa Clara, Mr. Amin Ghafooripour, Santa Clara University Professor and Mr. Erik Puknys, a Patent litigator representing WIPO.

On July 3rd, a workshop was held on "Intellectual Property (IP) Strategy is a Business Strategy" by USPTO providing an overview of intellectual property types, the reasons why innovators and entrepreneurs should consider protecting their IP, the risks of early disclosure as well as resources and assistance available through the USPTO.

On the same day, a plenty of buyers from Amazon, Panasonic USA, Amenda Technology, Diamond Tech Ventures, Silicon Vision, Maxcel Logic, AlignTech visited SVIIF and several business deals were negotiated and











made.

SVIIF Jury Board was composed of 10 juries from the American organizations and entities of importance including UIA, USPTO, and Santa Clara University who evaluated the showcased innovations and awarded the most promising ones.

The Awards Ceremony commenced in the afternoon of July 4th with the participation of VIPs and special awards from IFIA, KIPA, WIPO as well as Grand Prix were granted to the best innovations displayed in the event. IFIA Memorial Medal was also conferred to Mr. John Calvert, UIA President to appreciate his positive contribution and unconditional support for the organization of the event.

SVIIF 2019 is planned to be held from 23 to 26 June 2019.





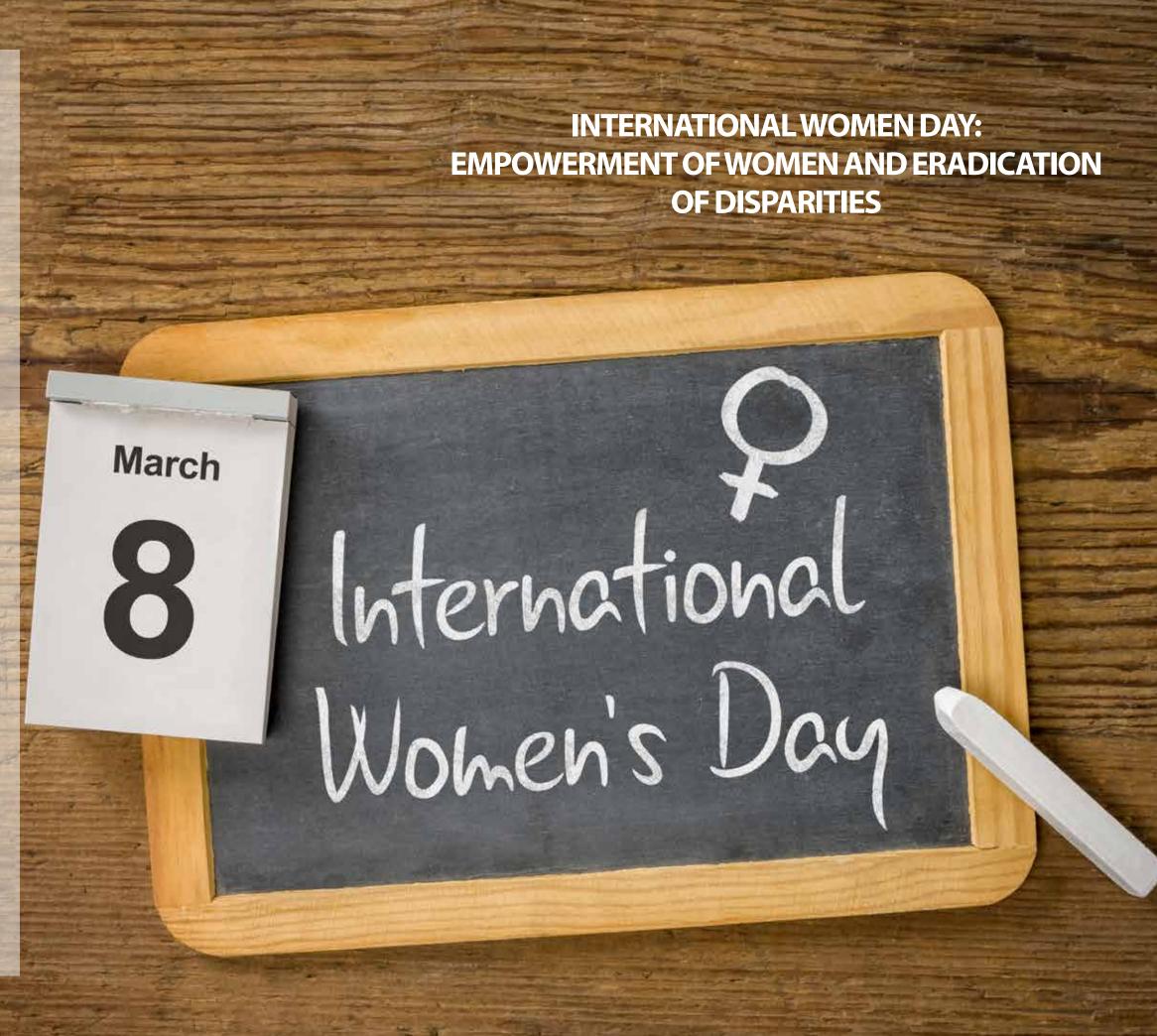


Invention and innovation is not a gender differentiated issue, the creative talent is inherent in people of every age, nation, sex, class or color. It is a neutral potential waiting to be identified, unleashed, nurtured, and developed. However, throughout the centuries, values have been ascribed to it and right into the 19th century women were deprived of the right to gain patent for their innovative creations under their own names since patent was considered an intellectual property of which women were denied.

Other discouraging factors included lack of equal educational opportunities, shortage of economic resources, and inappropriate tags for women inventors. In addition, cultural norms further perpetuated such disparities and inequalities; Women were not urged to pursue scientific and technologic opportunities. By contrast, they were expected to do domestic chores, care for the kids, or focus on the social traditions and customs by being involved in daily issues. While men participated in various classes of science, philosophy, and business, women were permitted to take part in art-related courses. Those who acted against the norms were considered social outcasts.

Today, despite all the barriers imposed on women, most of our everyday ease and comfort is brought about by them. Invention is no more a male-dominant field and women of different nations are coming up with cutting-edge innovations which are radically changing our world. However, women inventors are not well-represented.

Henceforth, International Federation of Inventors' Associations (IFIA), as the only non-profit organization aiming to disseminate invention and innovation, is committed to promote women accomplishments and creative endeavors through organizing women-oriented invention exhibitions, publishing their success stories and encouraging them to get involved in innovative activities.



## WOMEN & WORK PRIZE FOR FEMALE INVENTORS

There are many women who have made important contribution to society, economics and industry through great inventions. Nevertheless there is a huge unused invention potential, particularly with women. Thus the women & work prize for female inventors was awarded at the iENA forum of the iENA 2017 for the first time. The winners of the female inventors' prize of 2017 are:





#### Sonja Andjelkovic (Category: Business model & organization)

Ms. Andjelkovic was awarded for her project Afara Academic Publishing. AAP is an innovative social entrepreneurship initiative that is aiming at publishing empirical research papers from university graduates from Africa/MENA region on an online platform that will be hosted in Berlin, Germany.

Official partner is the Free University of Berlin (FU Berlin). Interested researches on the region, e.g. universities, international organizations, libraries, research networks etc. can browse the data base of AAP and download the papers for a fee that will directly benefit the author of the paper. The process of identification, quality check, publication and financial handling will be organized by a team in both Berlin and the institution in the partner country and through crowd-voting mechanisms, via App and peer-review system.

On one hand AAP will give graduates a chance to receive a compensation/income for their work as well as empower them to continue their academic carrier. On the other hand, AAP will offer researchers outside Africa/MENA a chance to enrich their knowledge on the region through genuine first-hand information.



**Nadine Sydow (Category: Technology)** 

Ms. Sydow was awarded for her invention Sluxagon which is a painting that prevents slugs and snails from sticking to any vertical barrier. Thus, it saves your plants & veggies from being eaten by them! Simply apply the tensidic oil mixture with a brush on your favorite pottery, your raised flower bed, a lawn edging or whatsoever, let it dry until it is transparent and witness the slugs to rail climbing onto these surfaces.

Sluxagon works like a soapy slide for snails, because their mucus frees the embedded tensides. The natural oil-based matrix war-

rants a long-terms rain resistance depending on the weather and the underground, at least 6 weeks up to a whole gardening season. In contrast, slug poison pellets work only half a



week or less, if it's raining.

#### Dr. Julia Borggräfe (Category: Service & Social)

Dr. Julia Borggräfe has developed and implemented a compensation model for equal pay for systematically analyzing factors of importance for determining gender-neutral compensation that is equitable for the tasks to be performed.

The review of pay equality at Messe Berlin analyzed the extent to which jobs are equivalent in terms of their actual requirements, independently of the individuals who carry them out. In the first step, we identified jobs that are carried out mostly by women or mostly by men. This was done by first composing three comparison pairs which were each classified at the same or roughly the same. Equivalence was established by using e.g. Check [English:"pay equality. Check"], which is a recognized gender-neutral evaluation system that we adapted to the specific in-house conditions in the second step.

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# REBECCA WANG: CEO OF THE AQMORE CORPORATION & INNOVATOR OFCHEMICAL-FREE NAIL POLISH



Are you worried about harming your nails and fingers by using the chemical nail polish? Does its unpleasant odor and toxic ingredients put your health at risk? Is the unpleasant chemical remover making it even worse? Are you looking for an alternative solution to enjoy the nail beauty naturally and conveniently? So, Try Aqmore.

Rebecca Wang, CEO of the Aqmore Corporation which is based in Taiwan, Province of China, has come up with an innovative product to solve the toxicity and inconvenience of traditional nail beauty; the concept is originated from her experience of applying PVA glue on her nails for decoration when she was a kid. Her idea is successfully realized relying on the huge investments and conduct of R & D.

# AQMORE

Excellence Award of Start Up
Business in Taiwan

Brand New Revolutionary Product

Not nail polish, remover not required

Jelly-like feeling, new shining experience



The innovative Aqmore peeling nail polish is 50% water based, chemical free with an odorless formula, a safe, healthy and eco-friendly solution for the beauty of nail decoration particularly for kids, girls or pregnant women.

Aqmore water based nail peeling polish is not only formulated by natural ingredients but also provides the satisfying peel-off effect; easily and quickly remove the nail lacquer by peeling off without chemical nail polish remover, a convenient nail beauty alternative for those who love to frequently change nail color or remove nail lacquer quickly for particular occasions. Moreover, its sole patented natural resins and coloration formula provides radiant and pigment-rich shades just like the traditional chemical nail polish does.

The product is internationally recognized by winning Excellence Award of Start Up Business in Taiwan, Province of China, 2017 Silver Award of Seoul International Invention Fair and 2018 Bronze Award of International Invention Fair in the Middle East.



#### SASIMA ARJSONGKRAM:

THAI PHARMACIST INNOVATOR OF WORLD'S FIRST SPICY COFFEE



Mrs. Sasima Arjsongkram or Mrs. Dao, Thai pharmacist, Communication and PR Director of The Pharmaceutical Association of Thailand under Royal Patronage and Editor of "Ya-Na-Roo", Journal for Thai Pharmacist Profession, a former DJ of Traffic and News Radio, has developed "Prikka Spicy Coffee" as the World's First Spicy Coffee.

Her new product, Prikka Spicy Coffee, has been formally announced as Innovation, patented and enlisted in Thailand's National Innovation List for 8 years (Year 2017-2025). Currently, Prikka Spicy Coffee is preparing to be an international product creating new experience for coffee drinkers around the world with Hot Flavor, Warm Feeling as the Slogan "Pick a Prikka, Please Yourself". Spicy Taste comes from Thai Bird Chilies Extract which represents Thai Cuisine Identity. This is the very first time for commercial 3 in 1 coffee to have Prik-Khee-Nuu or Thai Bird Chilies as an ingredient.

It's quite amazing how she has been able to create coffee product with chili as coffee and chili should not be combined. To this question, she answers "I like to cook and bake, I also like to taste and I have knowledge about ingredients in dietary supplements. I think coffee market in Thailand has lacked a wow or surprise for a long time. Most of manufacturers tend to differentiate the coffee itself rather than new flavors. In addition, there are many limitations in 3 in 1 coffee available in the market. Consumers often find that delicious coffee is not good for health because it is sweet and rich of fat. Tasty coffee is not healthy and healthy coffee is not tasty. Therefore, my ideas are to create a tasty and healthy coffee to serve customer satisfactions. So, I come to think of coffee with exotic tastes with both Taste and Benefit come together and raw materials should be a kind of Thai Culture of Dining. I thought of capsaicin as an active ingredient from Thai bird-chili extract."

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# BERNARDA CECELJA INCENTIVIZES FEMALE INNOVATIVE ENTREPRENEURSHIP

Bernarda Cecelja, a successful Croatian innovator-entrepreneur, is the owner of a prestigious Croatian company Bernarda Ltd. which produces high-quality beds for hotels, suites, and homes. The fabrication process is based on a dozen protected innovations occurring over the period of the last 20 years. The company presently operates production facilities with 250 employees, and ca. 21 000 m2 of area, representing an EU regional leader in bed manufacturing.

The quality of their products, as well as the innovation and continual advancement has been recognized by numerous highly visible international hotel franchises, such as Astron, Ramada, Kempinsky, Holiday Inn, Sheraton, Intercontinental, Hilton, Plaza, Marriot, Radisson etc.

The production program of the company features Mrs. Cecelja's own technological solutions, as well as those of her development team, which are not only based on the actual worldwide trends in bed production and design, but many of them through their innovativeness represent new standards of healthy sleep technology. A further acclamation of the high innovativeness of these products is the many awards and recognitions for innovation. Within the production program, seven repeatedly awarded innovations stand out, recognized with over 50 different awards internationally.

Mrs. Bernarda Cecelja has also been repeatedly awarded with over 40 prestigious awards for innovation and entrepreneurship in Croatia and in the neighboring region. She was inducted as a Knight of Innovation in 2012 at the Brussels innovation fair INNOVA. The Croatian Association of Managers & Entrepreneurs CROMA has de-

clared her the Entrepreneur of the Year on four occasions, and she has received four further awards for excellence from the Institute of Business Studies. The Ministry of Crafts, Small and Medium Enterprise of the Republic of Croatia has voted her the Entrepreneur of the Year three times. Mrs. Bernarda is decorated by multiple international awards for the promotion and incentivizing female innovative entrepreneurship, and is an active member of the Union of Croatian Innovators, the national umbrella association of innovators, member of the IFIA.



# REGINA JEZIORSKA: POLISH RESEARCHER, INVENTOR, WRITER & PROFESSOR

Regina Jeziorska, an associate professor at the Industrial Chemistry Research Institute of Poland and its managing director from 2012 to 2016, is currently leading a group of researchers working on various aspects of recycling and reactive extrusion of polymers, biopolymers, polymer nanocomposites and their applications.

Regina Jeziorska holds over 35 patents and is the editor of one book and author or coauthor of over 150 book chapters and publications in scientific journals. she holds many positions including vice president of Polish Innovators and Rationalizers Association, president of the Sectoral Council of the Chemistry Sector of the Polish Standardization Committee, president of the Technical Committee for Plastics as well as the Technical Committee for Machinery and Equipment for the Processing of Plastics and Rubber of the Polish Standardization Committee, and a member of the Managing Board of the Modification, Degradation and Stabilization Society (MoDeSt). She has been many times a member of the jury of Brussels INNOVA the World Exhibition on Inventions, Research and New Technologies.

Regina Jeziorska has received the M.Sc. (1984), the Ph.D. (1998), and the D.Sc. (2008) degrees from the Warsaw University of Technology, Industrial Chemistry Research Institute and Lublin University of Technology, Poland, respectively. Many of her research results have been implemented in the industry. Her works on engineering polymers from PET bottles and polymeric composites from PC wastes, mainly compact discs were distinguished in the 7th and 11th edition of the Polish Product of the Future Competition in the technology category of the future in 2003 and 2011, respectively.

Her recent work on antimicrobial high-tech products for building industry was awarded in the 19th edition of the Polish Product of the Future Competition in the product category of the future of the scientific unit in 2016.



#### **CEO GIL SOON LEE:**

# INNOVATOR OF AIRVITA PRODUCTS & RECOGNIZED BY NUMEROUS AWARDS



The CEO Gil Soon Lee was inspired to develop AIRVITA products after watching a neighbor agonizing over her new born child who suffered from a flu that simply refused to go away. In an attempt to buy an air purification system to help them, she discovered those that were then available were too large, too noisy and too expensive to buy as well as maintain. It was this discovery that motivated the R&D to develop a compact, silent and affordable air purifier for the home.

Since its humble beginnings in 2000, AIRVITA has grown exponentially to become the market leader in its home market of South Korea and now provides air purification solutions to homes and cars in 26 countries around the globe.

At the heart of AIRVITA's success is its unique AICI technology that acts as an air purifier and active deodorizer that removes 99.9% of bacteria, viruses and molds in the home. In addition, the technology does so without the use of filters thus making it very user friendly to operate significantly extending the product shelf life and without incurring ongoing consumable costs. Its compact size minimizes visual spacing, the wonderful design enhances room styling and the direct plug in maximize physical space usage.

AIRVITA products have won numerous awards and accreditations, both domestically and internationally, for its R&D technologies, innovation and particularly many awards for its modern and unique designs with the most recent being the Golden Prize at the International Idea Invention Exhibition in Geneva, 2017. The products are also certified for JET in Japan, CE in Europe and FCC in USA.

CEO Gil Soon Lee has also been recognized by numerous awards including the World Female Invention Competition, the Presidential Prize from the World Intellectual Property Right Association and was selected to be a participant of AT&D Korean Brands as well as a delegate to the K-Design business forum led by the Korean President to showcase Korean invention and innovation in selected countries across the globe. She currently serves as a committee member of the Institute of Technology Innovation – a committee within the Ministry of Science, ICT and Future Planning.

AIRVITA is committed to continuing to develop new technologies and products to ensure a healthier you and a healthier world.





## MARIEM KHARROUBI: MOROCCAN INNOVATOR OF MARINE COLLAGEN



Mariem Kharroubi, a PHD holder, is the chief of Biotechnology Laboratory at National Institute of Fisheries Researches in Morocco. She is also a member of RD Biotechnology commission in AHP Agadir Cluster.

Dr. Kharroubi has succeeded to either present or publish over 20 scientific papers, patents and projects. She is an expert in many areas of Sea product Biotechnological upgrading in several fields of application such as agricultural, feed, food, cosmetic, nutraceutic and ect.

Dr. Kharroubi frequently delivers various lectures on various topics related to Biotechnology in the International University of Agadir Universiapolis.

The National Institute of fisheries Research has been offering innovative and natural marine products for over 10 years through its Biotechnology laboratory (CSVTP M, Agadir).

Dr. Kharroubi has developed and gained patent for Marine Collagen which is obtained from sardine scales using an innovative process. Collagen is necessary to prevent a skin aging, skeleton fragility and muscle loss.



#### CLAUDIA PISANO ENABLES HER DISABLED SON TO WALK

Claudia Pisano, an Italian mother of a 15-yearold boy has enabled her disabled son, Riccardo, to walk despite the severe brain damage which occurred to him during the birthing process when he was starved of oxygen. Riccardo has been using the device for 7 years without taking any medications since his joints are elastic and without calcifications.

Riccardo's disability opened up Claudio's eyes to other things that mattered. Over time she realized there must be thousands of people with disabilities that struggle with communication or who aren't listened to. Through him, she had the opportunity to improve not only his quality of life, but that of other children and adults suffering from muscular paralysis or other causes of immobility.

RiccaVita<sup>™</sup> passive physical rehabilitation device helps reduce certain side effects of immobility by increasing or improving patient's skills

repertoire, maintaining functional level, minimizing contractures and deformities through the reduction of the effects of abnormal muscle or postural tone, while the user stands and partially supports his body's weight, moving all the joints, training both arms and legs at the same time as in a natural walking.

RiccaVita™ provides a rhythmic, reciprocal and repetitive means of whole body movement and helps to stretch out the diaphragm, increases muscle mass and flexibility especially for compromised limbs, promotes massaging and circulation to all internal organs, increases range of motion, reduces spasticity, counteracts stress and depression, diminishes the frequency of spasms, improves respiratory systems, circulation, balance, coordination, digestion bowel movement and blood flow, and prevents contractures as well as pressure sores. To put it shortly, it improves the quality of life.

Claudia has managed to build a new prototype for Riccardo. However, she is looking for somebody who can help her to build a new, enhanced, and reliable device and spread it around the world.





Student-Group (HAG) at my school in 1982, as a mentor and supporter I experienced a multiplicity of impressions among girls and boys of different thinking and other methodic approach on the path from an innovative idea to realization of an invention.

If we talk about inventors, many of us keep men in mind. In doing so, one forgets that women have made epoch-making inventions in all innovate domains. It is usual that a woman must convince twice before she will be accepted on the road of invention. But the world owes a huge debt to the numerous women around the globe who have effected change and have been a great source of inspiration to us today and to the next generation of girls aspiring to be the inventors and creators of tomorrow.

It is also well known that inventions made by men often do not necessarily include the needs of women. For instance, the first developed airbags which were found to be a life hazard for women or kids. Another example is uncomfortable but sexy underclothes.

One of the reasons is the missing empathy of women needs because most of the inventors, designer and developer are men. Although it is public that balanced mixed teams are more successful often disparity in favor of men exists. An important demand for successful inventions is the consideration of different needs by women and men. So we need more women as engineers who use their brain capability in a very effective manner with often more optimal goal-oriented approach than men to create innovative inventions.

#### By IFIA Youth Network Manager, Mr. Winfried Sturm

The effect of loosing virtue to be curious is increasingly spreading out. But only those who are inquisitive own the benefit to realize deficiencies. No matter what age or gender, we only should follow the motto "necessity is the mother of invention". It is fortunate to observe a growing trend in the involvement of women in various fields such as science, technology, business and the arts. However, women are to play a more highlighted role in the world. The time has arrived to facilitate the engagement of women in innovation and creativity and raise awareness about its importance. Because of these aims we have to start the support of young girls in an early stage of development In retrospective view, since the foundation of the High-Technology-





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Another aspect is that women's portion as customer becomes more and more influential. That is why women will have a great influence on forward-looking trend and innovative inventions. The reason behind small percentage of active women in the field of inventions must be the missing motivation in schools for technical subjects studied (called STEM – Science, Technology, Engineering, Mathematics). The most important reason for existing disparity is the missing of early advancement of girls. So we have to care that the support of creativity and motivation for STEM must start in schools or even at nursery schools.

In Germany only 11 % of all beginners for technological studies are female in 40 % for all kind of studies. But this can't explain only with the different role allocation between men and women. Against this assumption must be seen that e.g. in Dubai or Syria the gender role is more strict separate than in Europe and the technological studies were basically used by women.

My long experience as Leader of HAG-project assured me that boys and girls as young inventors are able to widely benefit from each other's strong points and different course of action. Girls and boys have their own specific way of thinking driven by fantasy, curiosity and imagination which leads to unusual ideas, active visions, independency and social competency. Whereas boys show a tendency jumping from one to another idea if a goal is not within reach, girls stay on the way by trying to find an alternative solution. Boys appear often hectic but most confident what is be seen by flurry finding other possibilities whereas girls stay calm, deliberate and goal-oriented. In turn, girls can offer useful assistance, basic hand out advice, important instructions and code of practice to guide the boys on their common way to becoming successful young creators of their innovative ideas.

My supervision over a very long time makes me









sure girls do not go with the head through a wall like the boys will do it often. Instead, they prefer to search the door with their eyes. I'm sure that girls and women often follow same intention that is more important to do something in little instead of talking about on a grand scale.

Conclusion: Girls and women are taking us into a wonderland of experience and understanding as they step into the creative sphere and express their creativity in the most brilliant and courageous forms. Ignorance of female invention power must be history. Up to now and in future girls and women innovative talents must be an important goal for all nations worldwide. In order to build a bridge between former ignorance and future needfulness of woman invention power we have to care for young girls early as possible best in nursery school.

My advice for a huge prosperity of successful girls and women as innovative inventors: Never follow a crowd solely because of being afraid to be different.

# BOOSTING YOUTH CREATIVITY & INNOVATION:

TESLA'S INVENTIONS WORKSHOP IN CROATIA

On 5th of March 2018, in Karlovac, the Republic of Croatia, the Union of Croatian Innovators (UCI) held a workshop "Tesla's Inventions – The Making of the Induction Electromotor", intended for kids and youth.

In compliance with the IFIA guidelines and the recognition of specific target groups when incentivizing and promoting creativity and innovation, a significant part of UCI's activities are aimed at youth. In that context, UCI has designed a framework program "Technical Innovation and Youth" which this year, the second of its existence, consists of 5 workshops.

The framework program as a rule doesn't just involve kids and youth, but also parents, mentors, and educators, in order to equip them with skills of better dealing with challenges in the promotion of creativity and innovation in children. Since the program is multidisciplinary, and the approach to execution regional, UCI is implementing the program in collaboration with its members the regional associations of innovators, as well as independent volunteering experts and other stakeholders.

The workshop "Tesla's Invention – The Making of the Induction Electromotor" took part on this occasion in the "Dragojlo Jarnevic" elementary school in Karlovac, since the target group was elementary-school age children. In the first part, the pupils got acquainted with the electro-technical principles and prominent names from the history of the field (Oersted, Faraday, Volta, Lenz, Tesla) and had the opportunity to experience hands-on work with basic electrical components and measurement instruments, as well as to perform simple experiments.

In the second part of the workshop the pupils, helped along by the workshop facilitators, produced their own model of the induction electro-motor.

About two dozen highly excited elementary-age children were beaming with delight with newly acquired knowledge and skills, and the workshop fully met its goals: development of cognitive ability, motor ability and skills, and of creativity, and the direction of gifted pupils towards a deeper interest in STEM.



## YOUNG INVENTORS WITH GREAT POTENTIAL AT IENA 2017



Young inventors always play a big role at the iENA. Every year students show an enormously high innovation potential and inspire visitors and representatives of the economy.

#### Jugend forscht ("Youth does research") "We support talents"

Since 1996 the German youth science contest Jugend forscht has presented more than 60 projects at the iENA. The initiative considers the training and support of young people in science, technology, engineering and mathematics (STEM) to be a decisive task for guaranteeing the sustainability of our society. Jugend forscht makes an important contribution to identifying and supporting the highly gifted people we need in business and academia.

At iENA 2017 Alexander Riebau and Thor-

ben Bartzsch showed the Intelligent Sprinkler System they developed together with Gregor Seyeda, which extinguishes fires in a targeted way.

In his work, Nils Lüpke focused on the so called "Internet of things" which allows the networking of electronic devices in one's own home.

Robin Lauerer constructed a digital alternative to the usual blind person's cane: a software-based handy aid to help blind or visually impaired people to find their way around safely and independently.

Pupils invent – The jugend creative project at the Maristengymnasium Fürstenzell ("Fürstenzell Maristen grammar school")

At the iENA 2017, pupils from the Fürstenzell Maristen grammar school again presented their inventions as they have done for many years now. Known as the inventor school, in 1983 this school was the first worldwide to introduce the elective



subject of inventing.

Inventing itself is learnt by the pupils both by developing their own inventions according to the motto "learning by doing", and by following the development of inventions of other pupils, through which the experiences of these also become their own. Many of the former inventor pupils can show a large number of prizes and awards when applying for jobs, which has often shown to be a door opener for a technical career.

#### Mikromakro: For bright minds with clever ideas

"At the beginning it's an idea – at the end a great invention!"

Teams of pupils from the mikromakro Baden-Wuerttemberg Foundation program were presenting under this motto at the leading international trade fair for inventors last year. With mikromakro, the Baden-Wuerttemberg Foundation motivates teams of pupils to find clever solutions to problems develop new products and implement them in a practical way over a period of two years. The know-how that is important for

the implementation of the project is supplied through workshops on the subjects of creativity, project management, marketing, technology and patent rights as well as specially developed guidelines. 3.200 pupils with their teams have participated in the program so far.

Creative ideas from the Zukunftspiloten ("Pilots of the future")

The pilots of the future regularly try out new things, venture on experiments with unusual ideas and think the world one step further – to perhaps make it a bit better. The VDI (Association of German Engineers) youth club shows that technology offers many solutions for social problems and motivates proactive thought. At the iENA 2017 the Nuremberg VDI pilots of the future presented themselves with their ideas and demonstrated exciting technical and scientific projects such as, for example, a 3-D printer constructed and calibrated by a young person, a LEGO mindstorm robot or an autonomous vehicle developed, constructed and produced personally.







## ANUMAKONDA JAGADEESH: INNOVATOR, SCIENTIST & CRUSADER FOR RENEWABLE ENERGY

Dr. Anumakonda Jagadeesh of Nellore, Andhra Pradesh, India has been dedicating his life for the past 4 decades in number of Social Innovations.

He has widely interacted with several global and national organizations in Science and Technology projects; his programs have attracted worldwide attention.

He also founded "Nayudamma Centre for Development Alternatives" in Nellore, Andhra Pradesh, India in 1994 which has been acting as a think tank in promoting Energy, Environment, and Appropriate Technology programs and projects.

Inspired by Mahatma Gandhi's Philosophy of "Be the change that you wish to see in the world" and E.F.Schumacher's "Small is Beautiful", Dr.Jagadeesh has had over 40 Innovations in the fields of Renewable Energy, Environment, Appropriate Technology etc.

One of his innovations is "Growing Leafy Vegetables on Book Racks and Vegetables on Stand". Dr. Anumakonda Jagadeesh has been involved in rural technologies for decades. He believes that developing countries development solutions should come from local regions. He has designed a stand and fitted rings of about 1 foot diameter in 3 layers. There is enough space between the rings horizontally and to grow plants vertically. The base has a strong round stand for stability (Iron).

Pots (Conical) are filled with soil and animal dung and natural fertilizer. Vegetables seed lings or seeds like tomato, Bhendi and others are raised in the pots. There is a small hole at the bottom of the pots to drain away excess water. The pots chosen are of tough plastic for light weight, durability and elegance. The plastic pots are covered with thin black canvas so that due to sunlight absorption weeds won't grow and evaporation water supplied is reduced. Moreover all the nutrients in the container are taken by the plant.

#### **GO FIND:**

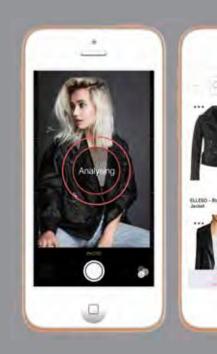
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## HYPERSVN CHANGES THE WORLD OF ADVERTISING

IFIA Best Invention Medal was awarded to a team of inventors from Switzerland for their eye-catching innovation titled "Hypersvn" showcased in Geneva International Invention Exhibition 2018 held from April 11th to 15th. The display of 3d visuals floating in the middle of air lent the event such a vibrancy and excitement that visitors could not pass by without pausing to view the visuals in disbelief.

Hypersvn changes the world of advertising as it is a cutting-edge visual solution for creating, managing and displaying a unique 3D video content with holographic effect. It is not a real hologram but the effect that it creates makes it look like a hologram.

Hypersvn combines uniquely a smart management system platform and a projection unit, a hitech hardware device generating 3d visuals perceived as high-resolution holograms floating in the mid-air.

Hypersvn is a lightweight projection unit supported by a proprietary, cloud-based management platform which allows using it in almost any client-facing location, at entertainment venues or events of any size.



## BIOPTRON HP: NANO PHOTONIC HYPERPOLARIZED LIGHT



IFIA's Best Invention Medal was granted to Prof. Dr. Djuro Koruga from Serbia for his innovation titled "Bioptron HP: Nano Photonic Hyperpolarized Light".

Progress in medicine, both in diagnosis and in therapy, depends on the state and progress of the technique. With the discovery of the C60 nanomaterial, for which the Nobel Prize in Chemistry was awarded in 1996, and the development of nanotechnologies, new possibilities of applying light to the therapy have been created. The positive sides of the nano-molecule C60 and the developed nano-photon system for generic hyperpolarized light (HP) were used.

Thus, instead of the classic filter (which blinks UV radiation), a new "filter" based on nano-photon material is made. The active nano-photon material (molecule C60) is a spherical shape, consisting of 60 carbon atoms, which are 1 nm spherical, arranged in 12 pentagons and 20 hexagons (icosahedral symmetry). This molecule (C60) rotates at a rate of 1010 per second and unlike the previous one with a denominative internal structure. Based on the Poincar's sphere of light and the Bloch sphere on quantum superposition of electrons, incoming linearly polarized photons from BIOPTRON interact with rotating C60 molecules, which has 46 vibrating frequencies of very low energies from 0.035 eV to 0.340 eV (3.500-40.000 nm).





2018 서울국제발명전시회

# 2018

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Supported by the World Intellectual Property Organization (WIPO)
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16-18may2018 Palace of Culture - Iași



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## XII International Warsaw Invention Show



15 - 17 October 2018



Patent Office of the Republic of Poland



Association of Polish Inventors and Rationalizers



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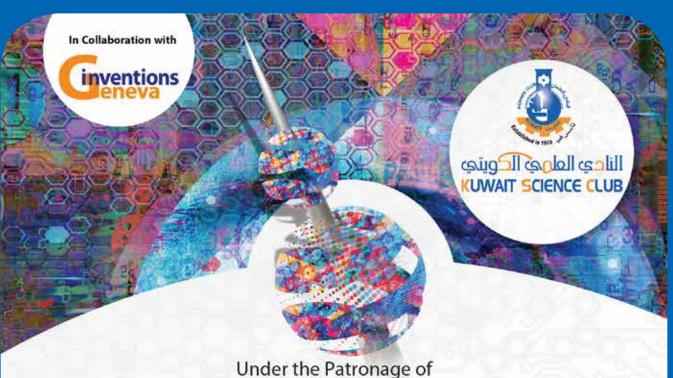












His Highness the Amir of Kuwait

Sheikh Sabah Al-Ahmad Al-Jaber Al-Sabah



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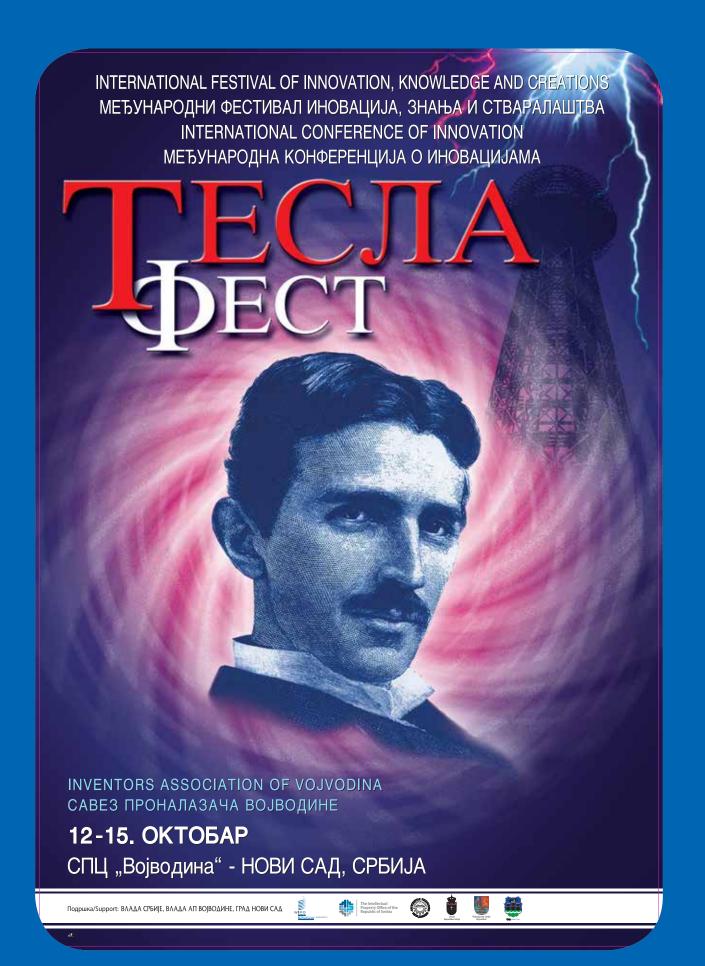






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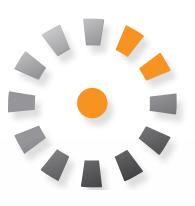


INTERNATIONAL FAIR OF PATENTS, INVENTIONS, INNOVATIONS AND NEW TECHNOLOGIES

## INOVAMAK 2018

Dom na ARM, Skopje, Macedonia September 21<sup>th</sup> - 23<sup>rd</sup>

NATIONAL ASSOCIATION OF INVENTORS OF MACEDONIA



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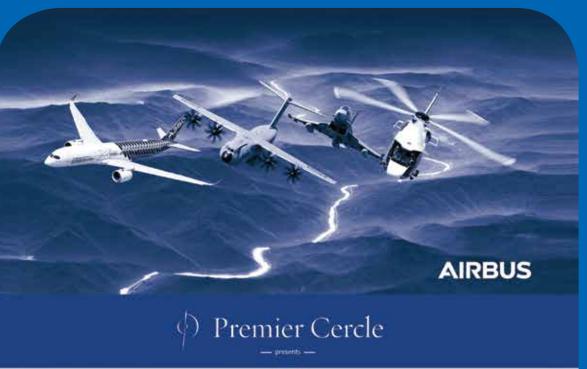


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2018 9/27 - 29

Sustainability nnovative invention Future Technology







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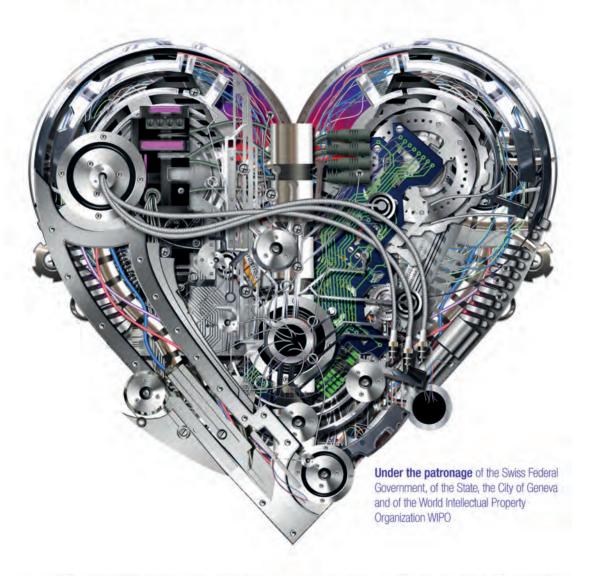
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10-14 APRIL 2019, PALEXPO





