



International Invention Innovation Competition in Canada  
**iCAN-TORONTO, CANADA**

# **THE 4<sup>TH</sup>** **2019 EDITION** **SHOW REPORT**

**EVENT OVERVIEW • THE FINALS RESULT • EVENT STATISTICS**

The 4<sup>th</sup> International Invention Innovation Competition in Canada, iCAN 2019

*PROUDLY ORGANIZED BY*



# INVITATION LETTER



Dear Inventors, Innovators, Students and Researchers,

February 1, 2019

We cordially invite you and your organization to participate in the **4<sup>th</sup> annual International Invention Innovation Competition in Canada, iCAN 2019** organized by Toronto International Society of Innovation and Advanced Skills (TISIAS), locally supported by Innovation Initiative Co-operative (IIC), and internationally supported by International Federation of Inventors' Associations (IFIA), and World Invention Intellectual Property Associations (WIIPA).

iCAN has now become the premier event of Canada for worldwide inventors and innovators where its program features the exhibition of inventions, speakers' seminar, and the award ceremony for the invention competition of creative ideas and innovative projects by students, individuals, and companies. As a whole, iCAN provides an all-around program fulfilled with new opportunities for both local and overseas participants to exhibit and showcase their finest ideas of all industries through invention, innovation, scientific research, new products and technologies at an international level in Canada.

**\* The iCAN Preliminaries registration period (January 15 – June 15)** allows applicants to apply to the competition by completing the Application Form and submitting it by email to [ican@tisias.org](mailto:ican@tisias.org)

**\* The iCAN Finals will be held on August 24 at North York Memorial Community Hall** in uptown Toronto where the selected applicants from the Preliminaries are invited as Finalists to participate in the invention exhibition, seminar and award ceremony.

Participation is available through both **1) in-person participation** and **2) long-distance participation**. Those who are unable to attend the Finals held in Toronto due to various reasons are still eligible to be a part of the competition. These long-distance participants will still be officially included in the list of inventions in the event catalogue and receive their designated awards based on the evaluation result of their submitted application forms during the Preliminaries. The competition goal sets to reach out to the global community of innovators in every way possible from Canada.

Please visit us at [www.tisias.org/ican-2019](http://www.tisias.org/ican-2019) for further information and feel free to contact our team at [ican@tisias.org](mailto:ican@tisias.org) if you have any questions and we would be happy to help.

Sincerely Yours,

*"We welcome you to join our global culture energized at iCAN"*

**MOONSUK CHANG**

Chairman & Chief Exhibition Officer

Toronto International Society of Innovation & Advanced Skills (TISIAS)



**TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS)**

18 SPRING GARDEN AVENUE, TORONTO, ONTARIO, CANADA M2N 7M2

[info@tisias.org](mailto:info@tisias.org) | [www.tisias.org](http://www.tisias.org) | +1 647 673 1012



**Date: 14 June 2019**  
**Ref.: 2019-40106**  
**Subject: IFIA President's Message**

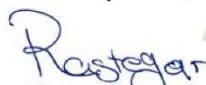
### **IFIA President's Message**

In today's technologically competitive world, invention and innovation are the key factors to ensure economic and industrial advancement in each country. The organization of international invention exhibitions where innovative technologies and products are showcased and visited by the businessmen, manufacturers and stakeholders will contribute to the application of such technologies in the industry and development of economy. International Federation of Inventors' Associations (IFIA) whose aim has been to promote the culture of invention and innovation since 1968 highly supports the creation of an international platform where the world inventors get together, exchange innovative knowledge and display the fruits of their mind. This year's iCAN 2019 is going to be organized with meticulous and strategic planning in order to offer the participants a good opportunity to discover the important and valuable Canadian market and bridge the gap between the inventors of various countries on one hand and the investors, businessmen and entrepreneurs on the other hand.

TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS (TISIAS) is a unique opportunity to create a network between the government and inventors, assist inventors to commercialize their inventions and give international recognition to the inventors.

I hope all participants will enjoy this great event.

Sincerely Yours,



Alireza Rastegar

IFIA President



THE 4TH ANNUAL iCAN 2019

# 2019 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA

EXHIBITION · SEMINAR · AWARDS CEREMONY



International Invention Innovation Competition in Canada  
**iCAN-TORONTO, CANADA**

North York Memorial Community Hall - Toronto, Canada

**BECAUSE WE CAN**

PRELIMINARIES REGISTRATION PERIOD

**JANUARY 15 - JULY 15**

EXHIBITION · SEMINAR · AWARDS

**AUGUST 24**



**TORONTO  
CANADA**

INFORMATION & REGISTRATION

[www.tisias.org](http://www.tisias.org) | [ican@tisias.org](mailto:ican@tisias.org)

ORGANIZED BY



SUPPORTED BY





International Invention Innovation Competition in Canada  
**iCAN-TORONTO, CANADA**

**2019 International Invention Innovation Competition in Canada, iCAN**

**BECAUSE WE CAN**

**North York Memorial Community Hall - Toronto, Canada**

**AUGUST 24**



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THE 4TH ANNUAL iCAN 2019

# 2019 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA

EXHIBITION · SEMINAR · AWARDS CEREMONY



**加拿大國際發明創新競賽**

**캐나다국제발명혁신대회**

مسابقات بين المللي اختراعات و نوآوری هاي كندا

مسابقة الاختراع والابتكار الدولي في كندا

การประกวดผลงานสิ่งประดิษฐ์และนวัตกรรมระดับนานาชาติ ประเทศไทยแคนาดา

Kompetisi invensi dan inovasi internasional di Kanada  
Międzynarodowy Konkurs Wynalazków i Innowacji w Kanadzie  
Pandaigdigang Paligsahan ng mga Makabagong Imbensyon  
Международен конкурс за новаторски изобретения в Канада  
Međunarodno natjecanje inovatora u Kanadi  
Competiția internațională a invențiilor și inovațiilor în Canada  
Kanada Uluslararası İcat ve İnnovasyon Yarışması

**[www.tisias.org](http://www.tisias.org) | [ican@tisias.org](mailto:ican@tisias.org)**



International Invention Innovation Competition in Canada  
**iCAN-TORONTO, CANADA**

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## **THE PRELIMINARIES**

**<January 15 – July 15, 2019>**

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### **iCAN 2019 “THE PRELIMINARIES”**

Applicants were given a 6-month time period to submit their invention/innovation projects as iCAN entry application forms to the organizer. The purpose of the long-term application period was to provide ample time for potential applicants to fully construct their invention/innovation applications, relative paper works and supporting documents, visuals and various references as much as possible to maximize their documented presentations. As the 4<sup>th</sup> year event, the organizer realized that situations and circumstances differ in every country and that providing at least half-year registration period was essential to enable participations from many countries.

### **APPLICATION FORM SUBMISSION**

The most important aspect of the Preliminaries was for applicants to widen their ability to present their ideas and articulate it on the application form which contains a freestyle section at the end for inventors to express without being bounded by any specific rules or limits. The quality of idea presentation became the vital factor in the Preliminaries evaluation as inventors not only excelled on their creative ideas of their inventions, but also their creative ways to introduce, describe, and express them using posters and visual attachments, YouTube videos and PPT presentations, internet news references and social media links along with the written abstracts and descriptions.

### **SELECTION PROCESS**

The qualification for Finalists was based on a structured approach of absolute evaluation. The organizing committee reviewed a total of **505 applications** from **50 countries** around the world throughout the iCAN Preliminaries period and qualified **377 Finalists applications** (*Refer to the last section of the report for full statistics of the event*).

### **INITIAL DISQUALIFICATION**

Applications which did not meet the competition requirements, or failed to abide by the rules and regulations were withdrawn from the entire roster. Applications with insufficient data, unacceptable contents and themes of hazardous components and/or negative effects to social, environmental and/or political wealth were all disqualified from the Preliminaries. Applicants who failed to keep up with the communication with the organizer in the course of the Preliminaries to correspond with required confirmations were automatically eliminated from the roster for holding a long-term incomplete status of their application(s).

### **END OF THE PRELIMINARIES**

The contestants qualified as Finalists were then divided into two final groups based on their decisions to participation methods between: **1) Long-Distance Finalists**; complete their iCAN run at the end of the Preliminaries, **2) In-Person Finalists**; continue their iCAN run proceeding onto the Finals Exhibition showdown in Toronto, Canada.





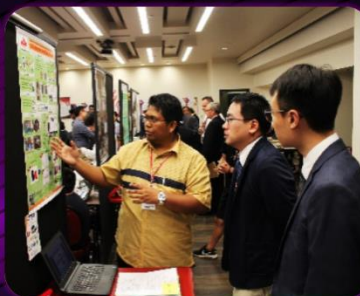
International Invention Innovation Competition in Canada  
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# THE FINALS

## THE FINALISTS' EXHIBITION, SEMINAR & AWARDS

### I. GENERAL INFORMATION

- **Date/Time:** **August 24<sup>th</sup>** from 10am ~ 6:30pm (exhibit set-up starts from 9:30am)
- **Location:** **North York Memorial Community Hall** (A/D: 5100 Yonge St., North York)
- *Located 1 level below North York Central Library within North York Centre*



### II. EXHIBITOR PROCEDURES

- Set-up starts from 9:30am, **please check in first at the reception desk**
  - Pick up your exhibitor badges and event materials upon check-in
- Exhibit area will be assigned upon check-in (wall or poster board)
  - Includes: vertical space for poster, table space and chairs
  - **Poster size:** **A1 (recommended)** or A0 poster size
  - Tapes for walls and Velcro dots for boards will be provided
- ***Please do not use any other tapes/glue that may damage walls & boards***
- Exhibit space for group exhibitors may be amalgamated together
- Electricity (110V) and free Wi-Fi connection available for collective use



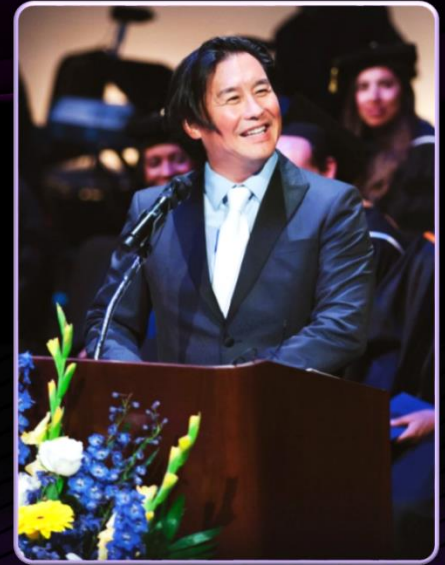


### III. SEMINAR

#### "BREAKING BOUNDARIES FOR AN IRRESISTIBLE CUSTOMER BRAND EXPERIENCE"

**ARE YOU** thinking too small when it comes to your brand? As the foundation of your company, your brand has the power to influence sales, shareholder value, and relevancy. Your brand is a key factor to build your business for long-term success. Fortune 500 branding and business expert Howard A. Lim will show you how to exponentially attract customers, strategic partners, and investors. You'll gain insights on how to leverage your brand and business--regardless of what product or service you sell – to give you a competitive edge and maintain a winning strategy.

**Howard A. Lim** is an award-winning business & branding strategist, and the author of Authentic Branding®. His clients include entrepreneurs, business owners, and Fortune 500 brands including Apple, Disney, Oracle, and HBO, to name a few. Since 1987, Howard Lim has earned his reputation as a disruptive innovator, and his boutique firm, HOW Creative. He presents actual before-and-after case studies that have influenced billions of dollars in revenue, and value for companies he has served.



**HOWARD A. LIM**

President of HOW Creative  
iCAN Co-Chairman of the Jury



### IV. TENTATIVE PROGRAM

09:30 – 10:30	Participants Arrival & Check-in
09:30 – 11:00	Setting Up Exhibits & Posters
11:00 – 12:00	<b>Opening &amp; Jury's Introduction</b>
12:00 – 12:30	Short Break & Jury Meeting
12:30 – 16:00	Exhibition & Judging On-Site
16:00 – 17:00	<b>Featured Speaker Seminar</b>
17:00 – 18:30	<b>iCAN 2019 Award Ceremony</b>
18:30 – 19:00	Group Photo & Tear Down

\* The schedule may have slight time changes \*



### V. AWARD CEREMONY

- Gold/Silver/Bronze Medals
- International Special Awards
- Best Invention Awards
- Semi-Grand & The Grand Prize

### VI. EVALUATION RUBRIC

- Oral Presentation Clarity & Coherence
- Key Innovation and its Significance
- Originality and Complexity
- Proof and Supporting Data



# THE PARTICIPATING COUNTRIES

A total of **50 countries** officially participated in iCAN 2019 which marked the event's highest record of participating countries in the last 4 editions.

<36 countries (2016) → 33 countries (2017) → 44 countries (2018) → 50 countries (2019)>



International Invention Innovation Competition in Canada  
**iCAN - TORONTO, CANADA**

## SUPPORTED BY



## ORGANIZED BY



## MONITORED BY



## INTERNATIONAL DELEGATIONS & CONTRIBUTORS



WELCOME to iCAN 2019 – August 24th in Toronto, Canada



International Invention Innovation Competition in Canada  
**iCAN - TORONTO, CANADA**

## PARTICIPATING COUNTRIES 2019



AFGHANISTAN  
AUSTRIA  
CAMBODIA  
CANADA  
CHINA  
CROATIA  
CYPRUS  
EGYPT  
ETHIOPIA  
FRANCE  
GERMANY  
HONG KONG  
INDIA  
INDONESIA  
IRAN  
IRAQ  
JORDAN  
KENYA  
KOREA  
MACAO  
MACEDONIA  
MALAYSIA  
MEXICO  
MOLDOVA  
MOROCCO  
MYANMAR  
NETHERLANDS  
PERU  
PHILIPPINES  
POLAND  
PORTUGAL  
QATAR  
ROMANIA  
RUSSIA  
SAUDI ARABIA  
SINGAPORE  
SOMALIA  
SRI LANKA  
SUDAN  
SWITZERLAND  
SYRIA  
TAIWAN  
THAILAND  
TURKEY  
UAE  
UGANDA  
USA  
UZBEKISTAN  
VIETNAM  
YEMEN



**50 COUNTRIES**

#iCAN #BecauseWeCan





International Invention Innovation Competition in Canada  
**iCAN-TORONTO, CANADA**

## **THE FINALS EXHIBITION • SEMINAR • AWARDS**

**<August 24, 2019 @ North York Memorial Community Hall – Toronto, CA>**

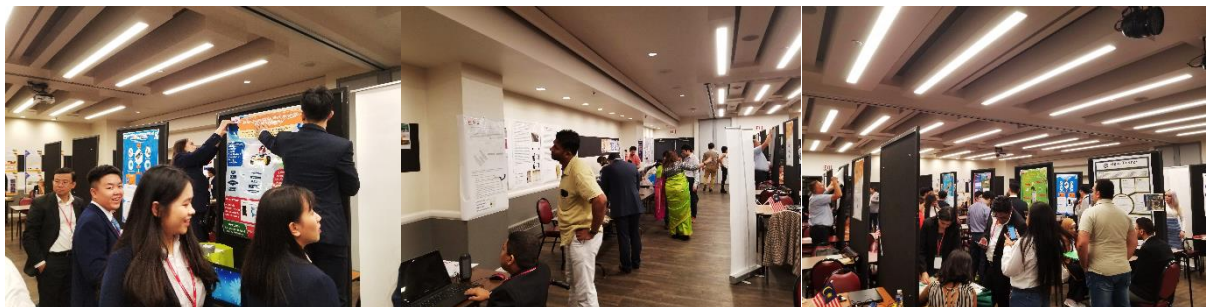


**iCAN 2019 "The 4th Edition" August 24 - Toronto, Canada**



### **THE WORLD FINALISTS**

iCAN 2019 "The Finals" took place on August 24<sup>th</sup> @ North York Memorial Community Hall in Toronto where Finalists from **20 out of 50 countries** were in attendance from around the world: **Canada, USA, Mexico, China, Hong Kong, Korea, Malaysia, Thailand, Vietnam, Sri Lanka, Poland, Romania, Uzbekistan, Iran, Turkey, Austria, Iraq, Egypt, Morocco, Cyprus** were all checked in for the Finalists' Exhibition, Seminar and the Award Ceremony.



The exhibition had **a total of 165 inventions & innovations** on display which were introduced to the jury, international delegations, co-exhibitors, and other attendees, visitors and guests that gathered from multi-continental sectors of the world.





## INTRODUCTION OF JURY MEMBERS

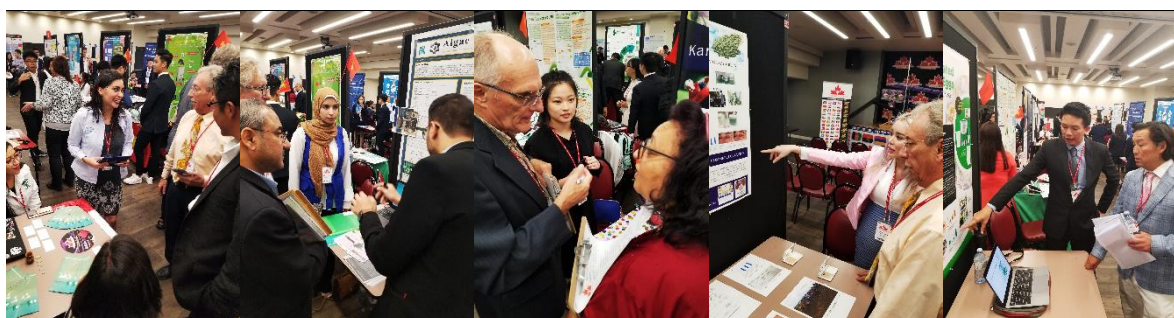


The jury committee of iCAN 2019 “The Finals” featured both local and international experts, endorsed individuals and professionals in the field of invention, innovation, scientific research, intellectual property, new product promotions, business/authentic branding, university professors of engineering and science, tradeshow experts, representatives of inventor associations, networks, forums – **from 10 countries** altogether as a joint committee of North America, Asia, Europe, and the Middle East, and Africa which maximized the Finals standard level of judging and evaluation.

Co-Chairman: **Howard A. Lim** – HOW Creative (USA)  
**Bob Huybrechts, RDT** – Innovation Initiative Co-operative Inc. (CANADA)

Vice-Chair: **Mike McFarthing** – Innovation Initiative Co-operative Inc. (CANADA)  
**Amedeo Pozzebon** – Innovation Initiative Co-operative Inc. (CANADA)

Members: **Michał Szota** – Association of Polish Inventors and Rationalizers (POLAND)  
**Adam Rylski** – Lodz University of Technology (POLAND)  
**Masoud Shafaghi** – International Federation of Inventors' Associations (IFIA)  
**Babak Khodaparast** – The First Institute of Canadian Inventors (FICI)  
**Raymond Lawson McCrory** – Innovation Initiative Co-operative Inc. (CANADA)  
**Otto Schmidt** – Accent on Skills Consulting / Inventors College Organization (CANADA)  
**Victoria Ramzy Habib Attia** – Individual Expert from (EGYPT)  
**Wagdy Rizk Ghali Rizk** – Individual Expert (EGYPT)  
**Dave Boyle** – Innovation Initiative Co-operative Inc. (CANADA)  
**Hok Ming Kwan** – The Education University of Hong Kong (HONG KONG)  
**Phan Quoc Nguyen** – Vietnam National University / SANVIC (VIETNAM)  
**Mihail Aurel Titu** – Romanian Association for Alternative Technologies Sibiu (ROMANIA)  
**Augustin Semenescu** – University Politehnica of Bucharest (ROMANIA)  
**Ihsan Edan Abdulkareem Alsaimary** – University of Basrah (IRAQ)  
**Nidham Jamalludeen** – University of Basrah (IRAQ) / University of Guelph (CANADA)



The judging of exhibits started from 1:00pm for a 4-hour session. The evaluation rubric focused on the *exhibitors' oral & visual presentation, key innovation and contributions, records and milestones*. The organizing committee collected the on-site evaluation results and recommendations from the jury for nominating the winners of iCAN 2019 Finals Awards.



## ANNUAL SEMINAR BY HOWARD LIM / President of HOW Creative



Following the exhibition & judging was the annual seminar by Mr. Howard Lim, President of “HOW Creative”. This year’s topic covered ***“Breaking Boundaries for an Irresistible Customer Brand Experience”***. Since the first edition of iCAN in 2016, Mr. Lim has been taking a major role in the event as the main speaker of the seminar as well as the co-chairman of the jury in the exhibition.



Lim believes that every business has an equal opportunity for success with their own unique stories. Since 1987, HOW Creative has partnered with ALL size businesses to develop business, branding and marketing strategies, and help execute powerful and innovative business ideas, and maintain Authentic Brands®. It is from this core expertise, that HOW Creative has evolved into a successful, international firm, whose unique core model includes two distinct, yet complementary domains; business and branding. HOW Creative’s clients include: *Apple, Disney, ABC, HBO, XEROX, CBS, NAMCO, Adobe, HP, Hewlett Packard*. (Reference: HOW Creative)



## iCAN 2019 | THE AWARD CEREMONY



The award ceremony was conducted as the last function for the participants as the highlight of the event, starting with the presentation of iCAN Special Inventor Award Winners of the Finals followed by international delegations' Special Awards, Best Invention Awards for national, continental and individual categories; and finally the winners of the Semi-Grand Prize, and the Grand Prize.



**iCAN Special Inventor Award Winners** were selected by the jury for the Finalists who performed high-level overall presentation of their inventions at the Finals exhibition. **International delegation special awards** were recommended by the jury and/or selected by the presenting organization. The Best Invention Award features top 10 national and 4 continental best invention winners, and individually for the best female inventor and the best young inventor award winners.



\* The full photo album is available on [www.tisias.org/photos3.html](http://www.tisias.org/photos3.html) \*



### **GRAND PRIZE**

Majid EL BOUAZZAOU

OFEED – MOROCCO

“Analog to Digital Converter to improve 5G networks”

### **SEMI-GRAND PRIZE**

JUNG-SOO KO

York University – CANADA

“METHOD AND SYSTEM FOR TRADING VIRTUAL CARD FOR RENTAL AND LEASE CONTRACT”

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### **BEST YOUNG INVENTOR AWARD**

Chiu Yeung / Leung Ching Fung / Leung Man Hin

Shun Tak Fraternal Association Yung Yau College – HONG KONG

“Eyes Walker”

### **BEST FEMALE INVENTOR AWARD**

Wilasinee Kositchaiwat

Pow-wien Co., Ltd. – THAILAND

“Cosmetic products from low grade green bean coffee extraction”

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### **BEST INVENTION OF NORTH AMERICA**

Emmanuel Campos Genaro / José Israel Romero Flores / Thania Monserrat Montoya Olmedo / Leonardo Tonatiuh González García / Fabiola Rodriguez Garcia

General Systech / Instituto Politécnico Nacional (IPN) – MEXICO

“HARVEST ECOS v2 with AI”

### **BEST INVENTION OF ASIA**

Wai-kit Ming / Haihao HUANG / Shinning YU / Guoqing Yan / Dewei Huang

Jinan University – Guangzhou, China

“Kare”

### **BEST INVENTION OF EUROPE**

ANTONIA Vasile Iulian / MOHAN Aurel / SEMENESCU Augustin / DOICIN Vasile Cristian / ULMEANU Mihaela Elena / CAVALU Simona /

COSTOIU Mihnea Cosmin / MURZAC Roman / DOICIN Irina-Elena / SĂCELEANU Vicențiu / MATEȘ Ileana Mariana

University POLITEHNICA of Bucharest – ROMANIA

“CRANIAL IMPLANT WITH OSTEOINTEGRATING STRUCTURES AND FUNCTIONAL COATINGS”

### **BEST INVENTION OF AFRICA**

Dr. Zaky Abd Ellatif Zaky Abd Ellatif

Suez Canal Authority – EGYPT

“An automatic device for the transfer of the patient from the trolley to the bed after the major operations”

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### **BEST INVENTION OF THAILAND**

Atip Asvanund / Orada Wongamphaiwit / Nawat Kamnoonwatana / Thanwarat Pornpanawan / Pataporn Kuanui

Charoen Pokphand Group

“Automated Crustacean eggs hatching system”

### **BEST INVENTION OF HONG KONG**

PUN Chi Sum, Summy

“Omnidirectional Precise Slow-cooker”

### **BEST INVENTION OF IRAQ**

ABDULRAHMAN YOUNUS / MOHAMMED HAJI

Iraqi Inventors and Innovators Society (IIIS-IRAQ)

“GYROSCOPIC STABILITY CONTROL SYSTEM”

### **BEST INVENTION OF EGYPT**

Seifeldin Mohamed Abdelmoneim Mohamed / Dina Ahmed Abouelmagd Abdelaal / Mohamed Ibrahim Mohamed Ibrahim

Nile University

“Algae Energy”

### **BEST INVENTION OF I.R. IRAN**

PARS LANEH RESEARCH AND CONCRETE PRODUCTION COMPLEX

“Flexible Reinforced Concrete Encrusted New Jersey Barriers Designed to Prevent / Minimize Human Loss and Material Damage in Cases of Vehicle Accidents”

### **BEST INVENTION OF POLAND**

Joanna Feder-Kubis

Wroclaw University of Science and Technology, Faculty of Chemistry

“Dynamic process research development for novel plant protection products”

### **BEST INVENTION OF CHINA**

WANG JINGNING

Guorun biotechnology (shenzhen) co. LTD

“HPV protection products”

### **BEST INVENTION OF MALAYSIA**

WONG ZI NING / CHWA KIA WAY / POOK SOW YEE

Multimedia University

“SPRINTLA”

### **BEST INVENTION OF ROMANIA**

TITU Aurel Mihail / OPREAN Constantin / MARGINEAN Ion / MOLDOVAN Alexandru Marcel / BOGORIN-PREDESCU Adrian / TITU Ștefan

Romanian Association of Alternative Technologies of Sibiu - A.R.T.A. Sibiu

“Hemispheric individual electric car with rotary seat”

### **BEST INVENTION OF SRI LANKA**

WARNAKULASURIYA SAMPATH RUWAN THAMEL

“GUIDING DEVICE FOR BLIND PEOPLE”

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### **IFIA BEST INVENTION AWARD**

TITU Aurel Mihail / OPREAN Constantin / MARGINEAN Ion / MOLDOVAN Alexandru Marcel / BOGORIN-PREDESCU Adrian / TITU Ștefan  
Romanian Association of Alternative Technologies of Sibiu - A.R.T.A. Sibiu – ROMANIA  
“Hemispheric individual electric car with rotary seat”

### **SPECIAL AWARD BY THE FIRST INSTITUTE OF RESEARCHERS I.R. IRAN (FIRI)**

(1) Nguyen Xuan Khanh / Nguyen Binh Minh / Ngo Yen Linh  
Dao Duy Tu High School, Thai Nguyen province – THAILAND  
“The air quality and humidity control device for a smart home”

(2) Wang Jingning  
Guorun biotechnology (shenzhen) co. LTD – CHINA  
“HPV protection products”

### **SPECIAL AWARD BY THE ASSOCIATION OF POLISH INVENTORS & RATIONALIZERS (SPWiR)**

TITU Aurel Mihail / OPREAN Constantin / MARGINEAN Ion / MOLDOVAN Alexandru Marcel / BOGORIN-PREDESCU Adrian / TITU Ștefan  
Romanian Association of Alternative Technologies of Sibiu - A.R.T.A. Sibiu – ROMANIA  
“Hemispheric individual electric car with rotary seat”

### **SPECIAL AWARD BY THE ASSOCIATION OF BRITISH INVENTORS AND INNOVATORS**

Dr Di Zou / Dr Haoran Xie  
The Education University of Hong Kong  
“Personalized Vocabulary Learning System Based on the Checklist of Technique Feature Analysis”

### **GENIUS AWARD BY THE CITIZEN INNOVATION (SINGAPORE)**

(1) Dr. Catherine Demetriades (CYPRUS)  
“AUTIZMO”

(2) Wilasinee Kositchaiwat  
Pow-wien Co., Ltd. – THAILAND  
“Cosmetic products from low grade green bean coffee extraction”

### **SPECIAL AWARD BY MANILA YOUNG INVENTORS ASSOCIATION (MYIA)**

(1) Seifeldin Mohamed Abdelmoneim Mohamed / Dina Ahmed Abouelmagd Abdelaal / Mohamed Ibrahim Mohamed Ibrahim  
Nile University – EGYPT  
“Algae Energy”

(2) Miss Kullanat Tovikkai / Miss Lalyn Pestonji / Master Mathus Jirapunyawong / Master Shin Kaewtavee  
Chulalongkorn University Demonstration Secondary School – THAILAND  
“Forget Me Not Reminder”

(3) To Wing Kwan / Law Ming Sam / Lam Kwok Wing  
Shun Tak Fraternal Association Yung Yau College – HONG KONG  
“Touching Bus”

### **SPECIAL AWARD BY THE ASSOCIATION OF THAI INVENTION & INNOVATION PROMOTION (ATIP)**

(1) Oussama Rholam / Mohamed Tabaa / Brahim Chouri / Safa Saadaoui  
EMSI Group – MOROCCO  
“Smarty Factory 4.0”

(2) PUN Chi Sum, Summy (HONG KONG)  
“Omnidirectional Precise Slow-cooker”

(3) Dr. Zaky Abd Ellatif Zaky Abd Ellatif  
Suez Canal Authority – EGYPT  
“An automatic device for the transfer of the patient from the trolley to the bed after the major operations”

(4) Petre Lucian SEICIU / Mihai BERTEANU / Horia ȘERBU / Valentin BARBU / Mihai IONEL  
University Politehnica of Bucharest – ROMANIA  
“Mechatronic System for Vertical Alternative Swinging of the Pelvic Girdle”

(5) Anton FICAI / Ecaterina ANDRONESCU / Cristina Daniela GHITULICA / Denisa FICAI / Georgeta Voicu / Madalina Albu Kaya  
University Politehnica of Bucharest – ROMANIA  
“Synthesis procedure of some multifunctional composite materials with potential applications in bone cancer treatment”

### **SPECIAL AWARD BY THE INDONESIAN INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA)**

(1) Shima Shahidi Zandi / Ehsan Marzban Shirkharkolaei (IRAN)  
“Hydrotherapy wearable”

(2) Prof. Dr. Ihsan Edan Abdulkareem Alsaimary / Prof. Dr. Wafaa Sadoon Shani / Dr. Nisreen waleed Mustafa  
UNIVERSITY OF BASRAH  
“Extraction and purification of specific antigens using in the diagnosis of hydatid diseases”

(3) Shuchun Gao  
Dalian University of Technology – CHINA  
“Preparation and application of mini-molecular hyaluronic acid”

(4) Atip Asvanund / Orada Wongamphaiwit / Nawat Kamnoonwatana / Thanwarat Pornpanawan / Pataporn Kuanui  
Charoen Pokphand Group – THAILAND  
“Automated Crustacean eggs hatching system”

(5) To Wing Kwan / Law Ming Sam / Lam Kwok Wing  
Shun Tak Fraternal Association Yung Yau College – HONG KONG  
“Touching Bus”

### **SPECIAL AWARD BY CHULALONGKORN UNIVERSITY**

Lau Chiu Yeung / Leung Ching Fung / Leung Man Hin  
Shun Tak Fraternal Association Yung Yau College  
“Eyes Walker”

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### **SPECIAL AWARD BY UNIVERSITY POLITEHNICA OF BUCHAREST**

(1) Brahim El Bhiri / Adil SALBI / Maryam Lfkih

EMSI Group – MOROCCO

“SMARTTRAFFIC”

(2) ABDULRAHMAN YOUNUS / MOHAMMED HAJI

Iraqi Inventors and Innovators Society (IIIS)

“GYROSCOPIC STABILITY CONTROL SYSTEM”

(3) Lau Chiu Yeung / Leung Ching Fung / Leung Man Hin

Shun Tak Fraternal Association Yung Yau College – HONG KONG

“Eyes Walker”

(4) Matyakubova Paraxat Mayliyevna

Tashkent State Technical University – UZBEKISTAN

“Software dielectric moisture meter in the process of storage and processing of grain”

(5) Emmanuel Campos Genaro / José Israel Romero Flores / Thania Monserrat Montoya Olmedo / Leonardo Tonatiuh González García / Fabiola Rodríguez García

General Systech / Instituto Politécnico Nacional (IPN) – MEXICO

“HARVESTT ECOS v2 with AI”

(6) WARNAKULASURIYA SAMPATH RUWAN THAMEL (SRI LANKA)

“GUIDING DEVICE FOR BLIND PEOPLE”

(7) Saeid Saatchi / Ali Akbar Mohaddes / Mohammad Ali Saatchi / Marzieh Afshari Chamanabadi

ZERT, LLC – USA

“Cosmic Resonator”

(8) Nguyễn Sơn Bách / Nguyễn Quý Đức / Nguyễn Ngọc Minh Châu

Phan Dinh Phung High School, Ha Noi / Hanoi-Amsterdam High School for the Gifted / Foreign language specialized School – Hanoi, Vietnam

“Chu Teu”

(9) Nguyen Xuan Khanh / Nguyen Binh Minh / Ngo Yen Linh

Dao Duy Tu High School, Thai Nguyen province – VIETNAM

“The air quality and humidity control device for a smart home”

### **SPECIAL AWARD BY THE WORLD INVENTION INTELLECTUAL PROPERTY ASSOCIATIONS (WIIPA)**

(1) Emmanuel Campos Genaro / José Israel Romero Flores / Thania Monserrat Montoya Olmedo / Leonardo Tonatiuh González García / Fabiola Rodríguez García

General Systech / Instituto Politécnico Nacional (IPN) – MEXICO

“HARVESTT ECOS v2 with AI”

(2) TITU Aurel Mihail / OPREAN Constantin / MARGINEAN Ion / MOLDOVAN Alexandru Marcel / BOGORIN-PREDESCU Adrian / TITU Ștefan

“Romanian Association of Alternative Technologies of Sibiu” - A.R.T.A. Sibiu – ROMANIA

“Hemispheric individual electric car with rotary seat”

(3) PREDESCU Cristian / MATEI Ecaterina / PREDESCU Andra Mihaela / BERBECARU Andrei Constantin / VIDU Ruxandra

University POLITEHNICA of Bucharest – ROMANIA

“MAGNETIC NANOSTRUCTURES AND DEVICE IMPLEMENTING SAME”

(4) Nguyễn Sơn Bách / Nguyễn Quý Đức / Nguyễn Ngọc Minh Châu

Phan Dinh Phung High School, Ha Noi / Hanoi-Amsterdam High School for the Gifted / Foreign language specialized School – Hanoi, Vietnam

“Chu Teu”

(5) Robert CIERNIAK

Czestochowa University of Technology, Institute of Computational Intelligence – POLAND

“FAST ITERATIVE IMAGE RECONSTRUCTION METHOD FOR MEDICAL TOMOGRAPHY”

(6) Master Thipok Tungsiripat / Miss Chiratchaya Hemrunroj / Miss Nara Sthapitanonda / Master Nattam Osornprasop / Master Siranat Tovikkai

Chulalongkorn University Demonstration Elementary School – THAILAND

“Brain Up Game”

(7) Lau Chiu Yeung / Leung Ching Fung / Leung Man Hin

Shun Tak Fraternal Association Yung Yau College – HONG KONG

“Eyes Walker”

(8) Prof. Dr. Ihsan Edan Abdulkareem Alsaimary / Dr. Maha Khalil Almallak / Mahdi M. Thuaini

UNIVERSITY OF BASRAH – IRAQ

“Using of advanced drugs in treating pulmonary fibrosis”

(9) NIBRAS RIDHA MOHAMMED

AL-Turath University – IRAQ

“Elimination swarming phenomenon of Proteus spp. and purification of Pseudomonas aeruginosa by using natural propolis produced by honey Bees and by used Propolis found as powder”

(10) Fatma Mohamed Bahaa El din Mohamed Afifi

Maadi STEM School for Girls – EGYPT

“The wealth of garbage”

### **iCAN 2019 SPECIAL INVENTOR AWARD**

(1) WONG ZI NING / CHWA KIA WAY / POOK SOW YEE

MULTIMEDIA UNIVERSITY – MALAYSIA

“SPRINTLA”

(2) WANG JINGNING

Guorun biotechnology (shenzhen) co. LTD – CHINA

“HPV protection products”

(3) Dr. Zaky Abd Ellatif Zaky Abd Ellatif

Suez Canal Authority – EGYPT

“An automatic device for the transfer of the patient from the trolley to the bed after the major operations”

- (4) Jaomai Tungsiripat / Supitchaya Hemrungrojn / Korn Hemrungrojn / Kullanat Tovikkai / Marjimar Suvichasophon  
Chulalongkorn University Demonstration Secondary School – THAILAND  
“i-Esi Bag: iEmergency Safety Intelligence bag”
- (5) PUN Chi Sum, Summy  
“Omnidirectional Precise Slow-cooker”
- (6) Winicjusz Stanik / Michał Janeczek / Rafał Konieczny / Tomasz Łaczek / Krzysztof Sikora  
OIL AND GAS INSTITUTE - National Research Institute – POLAND  
“A biocidal - stabilising composition for biofuels”
- (7) Brahim El Bhiri / Adil SALBI / Maryam Lfkih  
EMSI Group – MOROCCO  
“SMARTRAFFIC”
- (8) ABDULRAHMAN YOUNUS / MOHAMMED HAJI  
Iraqi Inventors and Innovators Society (IIIS)  
“GYROSCOPIC STABILITY CONTROL SYSTEM”
- (9) Dr. Catherine Demetriades (CYPRUS)  
“AUTIZMO”
- (10) JUNG-SOO KO  
York University – CANADA  
“METHOD AND SYSTEM FOR TRADING VIRTUAL CARD FOR RENTAL AND LEASE CONTRACT”
- (11) Mehdi Farzpourmachiani, Yaghoob Badrikoohi, Ali Farzpourmachiani, Simin Naghibi Masouleh, Mahmoodreza Gorji (IRAN)  
“A Method to Produce Drinkable Water in Emergency Situations”
- (12) Prof. Dr. Ihsan Edan Abdulkareem Alsaimary / Dr. Kawther H. Mahdi / Dr. Khalil I. Alhamdi / Dr. Sundis S. Bakr  
UNIVERSITY OF BASRAH (IRAQ)  
“Creation of a new international vaccine against human eczema: *Staphylococcus aureus* superantigens (Staphylogen) as a cause and vaccine for Atopic Dermatitis / Eczema Syndrome In Human”
- (13) BATALU Nicolae-Dan / SEMENESCU Augustin / COSTOIU Mihnea Cosmin / SINESCU Ioanel / ANTONIAC Vasile Iulian / DOICIN Cristian-Vasile / CODOREAN Ion Bogdan / MATEȘ Ileana Mariana / BARBU Cătălin Alexandru / BĂDICĂ Petre / GAVRILIU Traian-Stefan  
University POLITEHNICA of Bucharest  
“TOTAL ELBOW CONSTRAINED-ENDOPROSTHESIS MADE OF ALLOYS WITH SHAPE MEMORY, WITH HINGE TYPE FIXATION AND COUPLING SYSTEM BASED ON THE EFFECT OF SHAPE MEMORY”
- (14) BALAN George / TITU Aurel Mihail / DIMA Nicolae / OPREAN Constantin / CEOCEA Costel  
Romanian Association of Alternative Technologies of Sibiu" - A.R.T.A. Sibiu – ROMANIA  
“Installation for checking the verticality of mine shafts”
- (15) Mihai BERTEANU / Valentin BARBU / Petre Lucian SEICIU  
University Politehnica of Bucharest – ROMANIA  
“Botulinum Toxin Guided Injection Device for Spasticity Treatment”
- (16) Dr Winnie Lam Wai-man  
The Education University of Hong Kong  
“GMoodle: Online Evidence-based Assessment System for Student Group Activities”
- (17) Nguyen Xuan Khanh / Nguyen Binh Minh / Ngo Yen Linh  
Dao Duy Tu High School, Thai Nguyen province – VIETNAM  
“The air quality and humidity control device for a smart home”
- (18) Wai-kit Ming / Haihao HUANG / Shinning YU / Guoqing Yan / Dewei Huang  
Jinan University – Guangzhou, China  
“Kare”
- (19) Saeid Saatchi / Ali Akbar Mohaddes / Mohammad Ali Saatchi / Marzieh Afshari Chamanabadi  
ZERT, LLC – USA  
“Cosmic Resonator”
- (20) Rohaya Latip / Chong Mien May / Hamidah Ibrahim  
Universiti Putra Malaysia  
“ExpoUni: File Splitting Technique for Big Data”
- (21) Seifeldin Mohamed Abdelmoneim Mohamed / Dina Ahmed Abouelmagd Abdelaal / Mohamed Ibrahim Mohamed Ibrahim  
Nile University – EGYPT  
“Algae Energy”
- (22) Iulian ANTONIAC / Gabriel TOPOR / Kamel EARAR / Sergiu FOCSANEANU  
"Dunărea de Jos" University of Galați – ROMANIA  
“Dental Membrane made by PLA reinforced with biodegradable magnesium ribbons”
- (23) DR. SHARMINI GOPINATHAN / PROF. DR. MURALI RAMAN / DR. KANESARAJ RAMASAMY  
MULTIMEDIA UNIVERSITY MALAYSIA  
“GAMIFIED TEACHING STRATEGIES FOR THE 21<sup>ST</sup> CENTURY”
- (24) YOGESWARAN SELEAPPAN / AZHAR BIN ABIDIN / SHARIDA BT MOHD SHARIF / HAIRUL NIZZAT BIN BAHRIN / WAN AHMAD JAILANI BIN WAN NGAH  
CENTRE FOR INSTRUCTOR AND ADVANCED SKILL TRAINING (CIAST)  
“TVET INSTRUCTOR ePROFILING SYSTEM (TIPS)”
- (25) WARNAKULASURIYA SAMPATH RUWAN THAMEL (SRI LANKA)  
“GUIDING DEVICE FOR BLIND PEOPLE”
- (26) WARNAKULASURIYA DINESH SASIKA SRIMAL FERNANDO (SRI LANKA)  
“FIRE AND ANTI-THIEF GSM WIRED/WIRELESS ALARM SYSTEM”
- (27) Doug Bisson (CANADA)  
“The T-Helmet”
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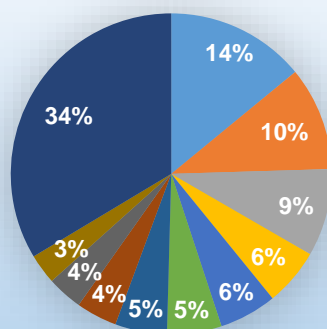


**iCAN 2019 FULL PHOTO GALLERY:** [www.tisias.org/photos3.html](http://www.tisias.org/photos3.html)

**iCAN 2019 E-CATALOGUE IN PDF FILE:** [www.tisias.org/catalogue.html](http://www.tisias.org/catalogue.html)

GENERAL STATISTICS	2019	(+/-) 2018
Total Number of Applications Received (non-filtered; January – July)	544	(+42)
Total Number of Preliminaries Contestants (disqualifiers filtered out)	505	(+95)
Total Number of Finalists Selected (confirmed/fulfilled Contestants)	377	(+32)
Total Number of Participating Countries (overall registration)	50	(+6)
Total Number of Participating Countries (attended exhibition)	20	(+1)
Total Number of Inventions Exhibited (at the Finals)	165	(+16)

## PARTICIPATION % BY COUNTRY (TOP 10)



■ Egypt (14.05%)	■ Sri Lanka (10.47%)	■ Malaysia (8.82%)
■ Thailand (5.79%)	■ Iraq (5.79%)	■ Romania (5.51%)
■ Taiwan (5.23%)	■ Poland (4.13%)	■ Iran (3.58%)
■ Hong Kong (3.03%)	■ Rest of the World (33.6%)	



**THANK YOU AND SEE YOU AGAIN IN iCAN 2020 NEXT YEAR!**





iCAN 2016 "The 1<sup>st</sup> Edition" – August 27, 2016



iCAN 2017 "The 2<sup>nd</sup> Edition" – August 26, 2017



iCAN 2018 "The 3<sup>rd</sup> Edition" – September 1, 2018