



International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

iCAN 2017 Show Report

September 4, 2017



International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

The Preliminaries
<January 1 – July 15>



International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

The Finals
<August 26>





January 1st, 2017

Toronto International Society of Innovation and Advanced Skills (TISIAS)

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To whom it may concern,

We cordially invite you and your organization to participate in the 2nd annual **2017 International Invention Innovation Competition in Canada, iCAN 2017** 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 the World Invention Intellectual Property Associations (WIIPA).


The event consists of an exhibition of inventions, educational seminars along with the award ceremony for invention competition. The event is to be held on **August 26, 2017** at Burgundy & Gold Room of North York Memorial Community Hall in uptown Toronto, Canada.

iCAN is the main event of Canada representing international inventors' exhibition activities, awarding competition of creative ideas and innovation projects by students, individuals and corporate inventors, serving as a brand-new platform of opportunities for overseas participants to showcase some of their finest ideas through invention, innovation, scientific project/research and new products and technologies on the international level in Canada.

The Preliminary Registration Period starts from **January 1 – June 15** where applicants can apply to the competition by submitting their invention entry form(s) by email and further become potential Finalists to be invited to Toronto to exhibit their inventions and products on August 26th. Moreover, those who are unable to participate in person can also select to participate as a "long-distance" participants in which they can participate remotely from home and still be eligible for preliminary awards based on the evaluation result of their submitted entry forms.

We sincerely look forward to your participation!

Sincerely Yours,



Moonsuk CHANG

Chairman/Chief Exhibition Officer
TISIAS – CANADA



Date: 20 June 2017
No. : 2017-2809

On behalf of International Federation of Inventors' Associations (IFIA), I would like to take this opportunity and extend our congratulations to Toronto International Society of Innovation & Advanced Skills (TISIAS) for the successful organization of the first annual of the International Innovation and Invention Competition in Canada (iCAN).

iCAN 2016 provided a global platform for the intellectual property owners, innovative students, research scientists and the active players of invention and innovation to showcase their creativity and innovations, to exchange ideas and to be recognized internationally.

We are profoundly delighted that the newly established tradition of organizing the first of its kind international inventor's event in Canada persists and the second annual of iCAN is to be held on 26 August 2017.

IFIA offers its unconditional support to iCAN 2017 due to its underlying concept of disseminating the culture of invention and innovation nationally and internationally which is in parallel with IFIA's mission.

IFIA members and the inventors worldwide are highly encouraged to take part in iCAN 2017 and benefit from the outstanding opportunities provided for them.

Sincerely Yours,

Alireza RASTEGAR



IFIA President



International Invention Innovation Competition in Canada iCAN-TORONTO, CANADA



International Invention Innovation Competition in Canada iCAN-TORONTO, CANADA

PATRONAGE BY



ORGANIZED BY

MONITORED BY



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INTERNATIONAL DELEGATIONS & CONTRIBUTORS



33 COUNTRIES

ANGOLA
BULGARIA
CANADA
CHILE
CHINA
CROATIA
EGYPT
GERMANY
HONG KONG

INDIA
INDONESIA
IRAN
IRAQ
KENYA
KOREA
LEBANON
MACEDONIA
MALAYSIA

MOLDOVA
MOROCCO
PHILIPPINES
POLAND
PORTUGAL
QATAR
ROMANIA
SAUDI ARABIA
SUDAN

TAIWAN
THAILAND
TURKEY
UAE
USA
VIETNAM





International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

The Preliminaries

<January 1st ~ July 15th, 2017>

iCAN 2017 “The Preliminaries” – was launched on January 1st of this year as an open-base, first round series of the 2nd annual iCAN taking place online for all inventors to submit their contest forms within a **6-month** period of time, expressing their ideas through documentations. The long-term application period was provided to potential applicants in order to provide them with ample time to fully prepare their invention/innovation applications, relative paper works and supporting documents, reports, visuals, and references as much as possible to maximize their documented presentations. As a result, it proved to be a very efficient way for inventors to express their ideas in versatile ways not only as applicants from various industries, but it also served as a useful practice generally for inventors living in this digital, data technology era. **With 1-month extension of the application deadline**, applicants were able to secure their time to register invention entries throughout winter and spring. The quality of their idea presentation was a vital factor in iCAN and more so for the Preliminary Evaluation criteria.

Application Form Submission – was proceeded via **email submission** having application form as the mandatory requirement for completion while other additional files as attachments were accepted in which all applicants enriched to provide extra information and appeal factors for their entries; written explanations along with references such as visual data, reports, links to video uploads and other external presentation sources were delivered in many creative ways.

Selection Process – preliminary contestants’ qualification for the Finalists selection was based on **“absolute evaluation”** structure. The organizing committee reviewed **a total of 377 invention applications** throughout the iCAN Preliminaries period and **qualified 250 Finalists** (*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 competition rules and regulations were withdrawn from the entire roster. Applications with insufficient data and information as well as inventions of unacceptable contents/themes; hazardous components and/or negative effects to social, environmental and/or political wealth were disqualified from the Preliminaries. Applicants who lost contact with the organizing committee and failed to communicate on time in the course of the Preliminaries to meet any or all of Finalists’ confirmation/pending requirements were automatically eliminated from the roster for a holding a long-term incomplete status for their application(s).

The selected Finalists were then divided into final two groups based on their decisions upon continuing as one of the following contest methods: **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 Final Round Exhibition in Toronto, Canada.



International Invention Innovation Competition in Canada
ICAN-TORONTO, CANADA

BECAUSE WE CAN

THE FINALS

EXHIBITION • SEMINAR • AWARD CEREMONY

AUGUST 26 | 10AM - 6PM

EXHIBITORS SET UP STARTS AT 9:30AM

North York Memorial Community Hall

5110 Yonge St, North York - Toronto, CANADA

CONTACT US:

www.tisias.org/ican-2017

ican@tisias.org



FOR EXHIBITORS

- * set-up starts from 9:30am
- * check-in at reception table
- * prepare invention poster < poster board
- * includes 1 table and 2 chairs
- * display spots are assigned upon check-in
- * larger posters/exhibits are assigned for wall displays



SEMINAR

- * co-currently held with the exhibition in the afternoon



HOWARD A. LIM

Founder of HOW Creative
Fortune 500 Branding Expert
Co-Chairman of the Jury - INPEX, America



"How to Transform
Your Invention Into a World-Class Brand"



MARGOT SANDY

Founder of In the Now, LLC
InventorZ Network Expert



If You Build It, LIFE Will Come:
"The New Product Development Process"



BOB HUYBRECHTS

Founder & Chairman of Business Development
Innovation Initiative Co-operative Inc.



"Where would we be Without Inventors?!"



MIKE MCFARTHING

Director of Education
Innovation Initiative Co-operative Inc.



Global Collaboration
"The Benefits and Challenges of Global Partnering"

iCAN 2017 “The Finals” | August 26th, 2017

International Invention Innovation Competition in Canada, iCAN 2017 “The Finals” function took place on August 26th for a full day at North York Memorial Community Hall in uptown Toronto. Aside from participants from Canada, Finalists from **15 countries** were in attendance during the Finals: the United States, Malaysia, Egypt, Chile, China, the Philippines, Iran, Iraq, Morocco, Hong Kong, Qatar, Poland, Kenya, Angola, and Saudi Arabia.



The Finals consisted of 3 major events: the Finalists’ Exhibition and Judging, International Seminars, and the iCAN 2017 Award Ceremony. The exhibition allowed participants to vastly share diverse ideas with one another, allowing numerous opportunities for the participants to expand their own network amongst both local Canadian inventors and international inventors from overseas. Meanwhile, the Finals evaluation criteria for the Top Award Category Selections placed its main focus on physical presence of the inventor(s) and invention(s) as well as the exhibitors’ vocal presentation skills on describing their innovation and key ideas.



Projects were showcased in various forms: actual inventions, prototypes, product samples, PPT for demonstrations along with invention posters. Furthermore, some long-distance Finalists who couldn’t travel to Canada also enriched to send their posters prior to the event and their posters were printed and displayed at the exhibition as well. **A total of 121 inventions were exhibited** in two major showrooms: the Burgundy Room and the Gold Room at North York Memorial Community Hall. *Last year numbers: 76 projects exhibited*



The Jury at iCAN 2017 Finals



In the course of the Preliminaries, the organizing committee sought out for jury candidates from around the world and assembled a panel of judges from both local and international sectors; high-profile professionals in the field of innovative research, IP and branding experts, experienced professors in applied sciences, tradeshow & inventor organization delegates from North America, Europe, the Middle East and Asia united and formed a strong jury board to maximize the competition's knowledge base upon evaluating Finalists' exhibits.



As Co-Chairman of the Jury:

Mr. Bob Huybrechts / President of the Innovation Initiative Co-operative Inc. – Toronto, Canada)
Mr. Howard A. Lim / Co-Chairman of the Jury INPEX – Pittsburgh, USA)

As Jury Members:

Mr. Mike McFarthing / Innovation Initiative Co-operative Inc. – Toronto, Canada
Mr. Masoud Shafaghi / International Federation of Inventors' Associations (IFIA) – World Org.
Mr. Babak Khodaparast / President of the First Institute of Canadian Inventors (FICI) – Canada
Mr. Amedeo Pozzebon / Innovation Initiative Co-operative Inc. – Toronto, Canada
Dr. Ayhan S. Dadashzadeh / Turkish Inventors and Inventions Association (TUMMIAD)
Dr. Adam Rylski / Lodz University of Technology – Poland
Mr. Majid El Bouazzaoui / OFEED – Morocco
Mr. Jerzy Maduzia / Director of John III Sobieski Secondary School, Jastrzebie-Zdroj – Poland
Dr. Nidham Jamalludeen / University of Basrah – Iraq
Dr. Ihsan Edan Alsaimary / University of Basrah – Iraq
Dr. Mohammad Meymanat / Zanzan University of Medical Science – Iran
Dr. Najia Al-Zanbagi / Highly Innovative Unique Foundation – Saudi Arabia
Dr. Wagdy Risk Ghali Rizk / Egyptian International Publishing Co. – Egypt
Dr. Victoria Ramzy Habib Attia / Academy of Scientific Research & Technology – Egypt

The jury evaluated inventions based on the following aspects for the selection of Top Awards:
1) overall presentation, 2) key innovation, 3) marketability, and 4) current milestones.



International Seminar

iCAN 2017 “The Finals” offered not only the exhibition platform, but also the annual international seminar, and this year we had **4 speakers** come in and perform their professional talks on stage for the attendees.



The first and the main speaker, **Mr. Howard A. Lim (HOW Creative)** spoke on the topic of **“How to Transform Your Invention into a World-Class Brand”**.

Main Speaker: Mr. Howard A. Lim
Duration of Speech: 60 minutes



The 2nd talk was performed by the special guest speaker **Ms. Margot Sandy (In the Now, LLC)** on **“If You Build It, LIFE Will Come: The New Product Development Process”**.

Special Guest Speaker: Ms. Margot Sandy
Duration of Speech: 30 minutes



Mr. Bob Huybrechts (Inventors Circle) offered the speech topic of **“Where would we be without Inventors?!”** as the third featured speaker.

Featured Speaker: Mr. Bob Huybrechts
Duration of Speech: 15 minutes



To conclude, **Mr. Mike McFarthing (Inventors Circle)** brought to the table with the closing speech, yet a very significant topic for the participants: **“Global Collaboration: The Benefits and Challenges of Global Partnering”**

Featured Speaker: Mr. Mike McFarthing
Duration of Speech: 15 minutes

The international seminar was a colourful combination of different topics which were all essential topics for inventors, providing various updates in the innovation world. The conference included Q&A sessions for the audience to respond and share more ideas and upbringings of inventors from different countries and everyone being involved collectively shared and discussed many realistic points, facts, references, and food-for-thoughts. The seminar program is considered as one of the most important aspects of iCAN event and it is meant to provide new knowledge, different information, current events happening around the inventors' world, learning platform for students and junior inventors for exercising creative ideas and to allow independent inventors to hone their skills for business development.

iCAN 2017 Award Ceremony



The award ceremony was conducted starting with the presentation of the gold and silver award winners of the Preliminaries onto the announcement of Top Award Winners selected on-site during the Final Round Exhibition. The selection process for the Top Awards is solely based on the exhibitors' presentation during the Finalists' Exhibition.



iCAN 2017 FINALS RESULT

TOP FINALISTS

THE GRAND PRIZE

Country: IRAN
Inventor(s): Arman Yousefian, Shahriar Tavousitafreshi, Gholamreza Yousefian, and Masoud Shafaghi
Invention: The nano filter installed on the bottle of mineral water orifice and physical filtration

THE SEMI-GRAND PRIZE

Country: USA
Inventor(s): Jungshen Lieh, Kuen-Ming Shu, and Wen-Yuh Jywe
Invention: Dual-Ratchet Transmission for Mobile Devices and Power Generation

BEST FEMALE INVENTOR

Country: CANADA
Inventor(s): Despina Filippidis
Invention: The anti-ultra-violet Sombrero

BEST YOUTH INVENTOR

Country: MALAYSIA
Inventor(s): Ajendra Rajamanickam
Invention: MOS-EX

BEST CONTINENTAL INVENTION AWARD

BEST INVENTION OF ASIA

Country: CHINA
Inventor(s): Lin, Facheng
Invention: Tracking Horns Camera

BEST INVENTION OF EUROPE

Country: POLAND
Inventor(s): Katarzyna Rusek, Maciej Rys, Szymon Skarzynski, Przemyslaw Bujna, and Dawid Jasiczek. *Tutors: Barbara Halska and Jerzy Maduzia*
Invention: SAFE RAIL SYSTEM (SRS)

BEST INVENTION OF NORTH AMERICA

Country: USA
Inventor: Rebecca Klemm
Invention: Number Linx Puzzle and Game System

BEST NATIONAL INVENTION AWARD

BEST INVENTION OF CANADA

Inventor: Ray Tang
Invention: Permanent Eyelid Crease Restoring Tape

BEST INVENTION OF EGYPT

Inventor: Nader Khalil Ghattas
Invention: Mobile Unit for Concentrated Solar Desalination

BEST INVENTION OF IRAQ

Inventor: Prof. Dr. Ihsan Edan Abdulkareem Alsaimary
Invention: Recovery, extraction and characterization of *Staphylococcus aureus* superantigens (Staphylogen) as a cause and vaccine for Atopic Dermatitis / Eczema Syndrome in Human

BEST INVENTION OF IRAN

Inventor(s): Melika Mohammadsalehi
Invention: Intelligent Eyeglasses

BEST INVENTION OF MOROCCO

Inventor(s): H. Griguer, Manos M. Tentzris, A. Nauroze, and M. Drissi
Invention: Electromagnetic Field Metamaterial Absorber (EFMA)

BEST INVENTION OF THE PHILIPPINES

Inventor: Andrea Jamille C. Tubigan, Ronald D. Bautista, Arlene R. Cereno, Alexander G. Acopio, and Aquilino Valentino A. Tubigan
Invention: shUSB

BEST INVENTION OF POLAND

Inventor: Sławomir Błaż, Małgorzata Uliasz, Grzegorz Zima, Witold Leński, and Grzegorz Szubra
Invention: Invert Drilling Fluid

BEST INVENTION OF MALAYSIA

Inventor: Dr. Chew Heng Hai and Dr. Yu Chye Wah
Invention: Bowel Aid: Solution for Mesh Surgery Complication

INTERNATIONAL SPECIAL AWARD

World Invention Intellectual Property Associations (WIIPA) Special Award

- Dennis C. Alvarez (USA)
 - **IC Green Oil Enhancer**
- Piotr Bujna, Jakub Kaj, Agata Wajda, Krzysztof Olszok, Szymon Wojakowski, Damian Osiak. Tutors: Marcin Lasak, Krzysztof Smyczek (POLAND)
 - **ISEPT – Innovative System for Education and Phobias Treatment**
- Rebecca Klemm (USA)
 - **Number Linx Puzzle and Game System**

Turkish Inventors and Inventions Association (TUMMIAD) Special Award

- Prof. Dr. Najia Abdulkhalig Al-Zanbagi (SAUDI ARABIA)
 - **ZNgagi, A combination for getting rid from head lice**
- NU INNOVATIONS INC. (CANADA)
 - **New compound formula without silicate zirconium for ceramic industry**
- Do Ka Yui and Tong Ka Yan (HONG KONG)
 - **Veinian**
- Ray Tang (CANADA)
 - **Permanent Eyelid Crease Restoring Tape**

Association of Thai Invention and Innovation Promotion (ATIP) Special Award

- Scott Petrie (CANADA)
 - **TecDeck – Laptop computer and tablet stands**
- Ray Tang (CANADA)
 - **Permanent Eyelid Crease Restoring Tape**

Indonesian Invention and Innovation Promotion Association (INNOPA) Special Award

- Behrouz Rahimi (CANADA)
 - **Global Water Watcher**
- Lamine Lagsaiar and Ahmed Mouhsen (MOROCCO)
 - **Smart Head System**
- Mohammadreza Meymanat, Hojatollah Vali, Angineh Parsadanians, Kian Zobeiry, and Pedram Aghamirkarimi (CANADA)
 - **A method for targeted visualization, controllable debilitation, damage and destroy biologic Targets**
- Jungshen Lieh, Kuen-Ming Shu, Wen-Yuh Jywe (USA)
 - **Dual-Ratchet Transmission For Mobile Devices and Power Generation**
- Mohammadreza Nouredanesh (CANADA)
 - **Smart Oxygen Device**

The First Institute of Inventors and Researchers in Iran (FIRI) Special Award

- H. Griguer, Manos M. Tentzris, A. Nauroze, and M. Drissi
 - **Electromagnetic Field Metamaterial Absorber (EFMA)**

International Federation of Inventors' Associations (IFIA) Special Award

- Katarzyna Rusek, Maciej Rys, Szymon Skarzynski, Przemyslaw Bujna, and Dawid Jasiczek. Tutors: Barbara Halska, Jerzy Maduzia (POLAND)
 - **SAFE RAIL SYSTEM (SRS)**

Highly Innovative Unique Foundation (HIUF) Saudi Arabia – Special Award

- Ajendra Rajamanickam (MALAYSIA)
 - **MOS-EX**
- Moonsuk Chang (TISIAS – CANADA)
 - **Special Achievement Award of iCAN 2017**

John III Sobieski Secondary School (Poland) Special Award

- Ajendra Rajamanickam (MALAYSIA)
 - **MOS-EX**

iCAN 2017 SPECIAL INVENTOR AWARD

- Jungshen Lieh, Kuen-Ming Shu, Wen-Yuh Jywe (USA)
 - **Dual-Ratchet Transmission For Mobile Devices and Power Generation**
- Syzmon Wojakowski, Piotr Mirosław, Krzysztof Olszok, and Franciszek Jaskulski. Tutors: Ewa Maduzia and Lidia Gajdzik (POLAND)
 - **CubeR – Rehab Cube supporting rheumatoid diseases**
- Wojciech Krasodowski, Wojciech Mazela, Leszek Ziemiański, Grażyna Żak, and Michał Pajda (POLAND)
 - **A process of waste sulfuric acid purification**
- Prof. Dr. Najia Abdulkhalig Al-Zanbagi (SAUDI ARABIA)
 - **ZneCOLi (cream for skin itching)**
- Assoc. Prof. Wai-kit Ming, Jiayi Shen, Xiaoling Wang, Jiebin Chen, Minggang Sui, Zherui Liu, and Sum-yi Wong (CHINA)
 - **Care-2-you (安心孕)**
- Do Ka Yui and Tong Ka Yan (HONG KONG)
 - **Figano**
- Lamine Lagsaiar and Ahmed Mouhsen (MOROCCO)
 - **Smart connected Power switch**
- Lin Facheng (CHINA)
 - **Emergency Urial in Car**
- Carlos Rodrigo Ruz Campos (CHILE)
 - **Elliptical Urban Bicycle**
- Luis M. Duarte (CANADA)
 - **ROCKIT SINGLE FOOT SKATE**
- Amedeo Pozzebon (CANADA)
 - **3 Plumbing Innovations**
- Seyed Masoud Nikdel, nik gas CO. LTD (IRAN)
 - **Smart Production and Distribution of Odorless and Normal Liquefied Gas (Liquefied Petroleum Gas “LPG”) Equipped with Smart Loading System**
- Amirreza Allahgholipour Komleh (IRAN)
 - **System of removing surplus iron and manganese from drinking water based on aeration method and using rice husk**
- Mahta Amirbeygi and Ghazaleh Mirzaei (IRAN)
 - **Intelligent Window**

- Behrouz Rahimi (CANADA)
 - **Safe Queen Bee**
- Mohammadreza Nouredanesh (CANADA)
 - **Smart Oxygen Device**
- Dr. H. Griguer, M. Benlazaar, Y. Aiboud, M. El Missaoui, and M. Rhouni (MOROCCO)
 - **Senstenna**
- Prof. Dr. Ihsan Edan Abdulkareem Alsaimary (IRAQ)
 - **A NEW international Techniques for treating hydatid disease**
- Yau Yuen Yeung (HONG KONG)
 - **Low-cost mobile logger for effective learning and teaching of science and environmental studies**
- M. Salim Ferwati, Arezou Shafaghat, and Ali Keyvanfar (QATAR)
 - **ZERO-ENERGY COOLING PANEL**
- Dexter A. Lopez, Jemimah M. Dizon, Emerson John L. Ramos, and Lani M. Suyom (Research Advisor) – (PHILIPPINES)
 - **Isolation and Identification of Lactic Acid Bacteria from the Nectar of Ixora sp.**
- Sara Saad Saad Sadek (EGYPT)
 - **W.S.T. POWER PLANT**
- Helya Bahavar (CANADA)
 - **WIPER OF SIDE WINDOWS**

Award Ceremony Photo Gallery

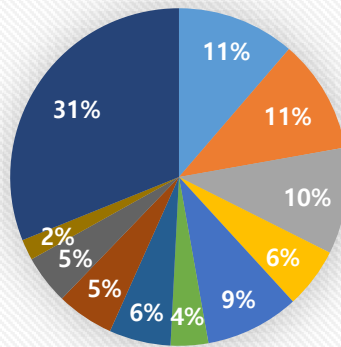
* See full album of iCAN 2017 at www.tisias.org



GENERAL STATISTICS

ACCUMULATION CATEGORY	#
Total Number of Applications Received (non-filtered; January – July)	415
Total Number of Preliminaries Contestants (disqualifiers filtered out)	377
Total Number of Finalists Selected (confirmed/fulfilled Contestants)	250
Total Number of Participating Countries (overall competition)	35
Total Number of Participating Countries (at exhibition)	16
Total Number of Inventions Exhibited (at the Finals)	121

Participation % by Country (Top 10)



- Malaysia (11.3%)
- Philippines (10.9%)
- Egypt (10.2%)
- Thailand (5.8%)
- Turkey (9.0%)
- Canada (6.3%)
- Iran (5.9%)
- Korea (5.5%)
- Iraq (4.7%)
- Morocco (2.0%)
- Rest of the World (31.1%)



“THANK YOU AND SEE YOU NEXT YEAR!”