



International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

iCAN 2023

THE 8TH INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA

SHOW REPORT

EVENT PROGRESS SUMMARY & STATISTICS



TISIAS

TORONTO INTERNATIONAL SOCIETY
OF INNOVATION & ADVANCED SKILLS



iCAN 2023
TORONTO
CANADA

THE 8TH ANNUAL iCAN 2023 2023 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA

THE PREMIER EVENT OF CANADA FOR WORLDWIDE INVENTORS



International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

SPECIAL ONLINE EDITION - TORONTO, CANADA

Because We Can

PRELIMINARIES REGISTRATION PERIOD

JANUARY 15 – JULY 15

THE FINALS PROGRAM & AWARDS

AUGUST 26

INFORMATION & REGISTRATION

WWW.TISIAS.ORG | iCAN@TISIAS.ORG

ORGANIZED BY



LOCALLY SUPPORTED BY



INTERNATIONALLY SUPPORTED BY



iCAN – TORONTO, CANADA



International Invention Innovation Competition in Canada
iCAN-TORONTO, CANADA

THE 8TH INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA, iCAN 2023

Because We Can

SPECIAL ONLINE EDITION - TORONTO, CANADA

AUGUST 26



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2023 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA

THE PREMIER EVENT OF CANADA FOR WORLDWIDE INVENTORS

加拿大國際發明創新競賽

캐나다국제 발명혁신대회

カナダの国際発明革新大会

**نمایشگاه بین المللی اختراعات کانادا
المسابقة الدولية للاختراع والابتكار في كندا**

การประกวดผลงานสิ่งประดิษฐ์และนวัตกรรมระดับนานาชาติ ประเทศแคนาดา

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 in Canada
Kanada Uluslararası İcat ve İnnovasyon Yarışması
Concurso internacional de invencion e innovacion en Canada



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OVERALL SUMMARY OF COMPETITION

The 8th International Invention Innovation Competition in Canada, iCAN 2023 was held online on August 26th in Toronto, Canada. This was the 4th year in which the event was held virtually. The competition was progressed in two stages: **(1) The Preliminaries** and **(2) The Finals**.

THE PRELIMINARIES

The Preliminaries was open for a 6-month period (January 15 – July 15) where applicants were required to complete and submit their application forms by email. The Preliminaries was the initial stage for the applicants to qualify for the competition and further proceed to the Finals. All applications were reviewed by the Organizing Committee & Jury Members to verify the legitimacy of presented entries (inventions, innovative products, scientific research projects, etc.) and to check if the nature of ideas meet the qualification protocols for entering the competition. Once applications pass the initial checks, the ideas are then evaluated through word descriptions, images and/or other external links and media sources.

For the 6-month period, the Organizing Committee & Jury reviewed a total of **621 applications** from **50 countries** and qualified **491 applications** to proceed to the Finals of which **246 applications** competed in the Finals. The jury examined the written descriptions and visual data provided in the application forms to nominate the **Gold, Silver, and Bronze Medal Winners** and to further proceed them to the Finals.

Any incomplete applications or proposals with unacceptable contents/themes of hazardous means were initially filtered out and disqualified from the Preliminaries. Applicants who failed to maintain a consistent email communication with the iCAN Team (Management & Coordination of the Registrar) were also eliminated from the competition roster for holding a long-term incomplete status for their submissions.

THE FINALS

Applicants who have fulfilled the essential requirements of the Preliminaries were qualified to proceed to the Finals where they were asked to submit a video presentation of their nominated innovations for further examination and review by the Jury for the selection process of the Finals Award Winners. The Finals Awards featured the **Grand Prize, Semi-Grand Prize, Best Invention Awards** (Various Categories), **Canadian Special Awards** by the host organizations (ICO, TISIAS & Inventors Circle), and **International Special Awards** sponsored by official delegations allocated in iCAN 2023.

On August 26th, the following contents were uploaded on the [official website](#) for iCAN 2023 “The Finals”:

- **iCAN 2023 “The Finals” Award Winners Announcement (by List)**
- **iCAN 2023 Keynote Speaker Presentation by Howard A. Lim (HOW Creative)**
- **iCAN 2023 “The Finals” Movie Showcase**
- **iCAN 2023 Official Catalogue Online**

All video files submitted by the Finalists were examined to select the winners of the **Finals Awards** by the Organizing Committee & Jury as well as the International Delegation Leaders. The videos were also utilized on creating the iCAN 2023 **“The Finals” Movie** as mixed footages. This year, the Finals featured **our Main Keynote Speaker’s Presentation “How to Rise Far Above Your Competition”**. The **Catalogue** provided the general and overall information of the event, congratulatory messages by the committee, partners, and international delegations followed by the directory of exhibits.

AWARD PACKAGES

After the Finals, iCAN 2023 Award Packages were allocated for international shipping via DHL Express to all Finalists’ postal addresses. The shipping process started from September 4th and onwards. Finally, all recipients of the awards were asked to send a photo taken with the awards for the making of **iCAN 2023 Group Photo Collage** which is planned to be published by the end of the year.



**THE 8TH INTERNATIONAL INVENTION
INNOVATION COMPETITION IN CANADA**

iCAN 2023

WEBSITE: WWW.TISIAS.ORG/iCAN-2023

REGISTRATION & INQUIRIES: ICAN@TISIAS.ORG

TORONTO  CANADA



Since 2016

International Invention Innovation Competition in Canada

iCAN – Toronto, Canada



www.tisias.org | ican@tisias.org | www.facebook.com/inventorsound | [@inventorsound](https://www.instagram.com/inventorsound)



Date: 11.May.2023
Ref. No.: 2023-114
Subject: iCAN 2023 - Message

Dear Inventors and Innovators

The International Invention Innovation Competition in Canada (iCAN) is a prestigious event that showcases innovative inventions and ideas from around the world. It provides a platform for inventors, researchers, and entrepreneurs to present their creations and compete for recognition and awards.

iCAN aims to promote creativity, collaboration, and entrepreneurship in the field of innovation. It encourages participants to develop solutions to real-world problems and contribute to the advancement of various industries. The competition welcomes participants from diverse backgrounds, including academia, industry, and independent inventors.

The event typically features several categories, such as technology, healthcare, environment, and social innovation. Participants have the opportunity to present their inventions to a panel of expert judges, industry professionals, and potential investors. They can showcase their prototypes, demonstrate the practical applications of their ideas, and explain the potential impact of their innovations.

IFIA invites all members, inventors, innovators, and researchers to participate in the 8th International Invention Innovation Competition in Canada (iCAN 2023), which will be held online on August 26 in Toronto, Canada.

On the eve of the 55th anniversary of the IFIA, the International Federation of Inventors' Associations whose aim has been to promote the culture of invention and innovation for more than half-century highly supports the creation of an international platform where the world inventors get together, exchange innovative knowledge, and display the fruits of their mind.

Participating in iCAN can be a significant opportunity for inventors and innovators to gain exposure, establish credibility, and attract potential investors or partners. It also allows them to learn from other participants, discover emerging trends and technologies, and stay updated with the latest developments in the innovation ecosystem.

I hope all participants will enjoy this great event.

Sincerely Yours,


Alireza Rastegar
IFIA President



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30, 1218 Le Grand-Saconnex, Geneva,
Switzerland
T: +41 22 761 11 11 / F: +41 22 798 01 00
info@ifia.com
www.ifia.com



LETTER OF RECOMMENDATION

2023/5/17

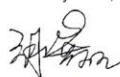
Dear Inventors, Innovators and Young Students Around the World,

On behalf of World Invention Intellectual Property Associations (WIIPA), I would like to advance my deepest gratitude and appreciation to Toronto International Society of Innovation & Advanced Skills (TISIAS) for the great deal of effort they have devoted into organizing their annual event: **The 8th International Invention Innovation Competition in Canada, iCAN 2023** in Toronto, Canada.

Throughout the last 7 years, it was evident to see that iCAN has truly made one of the biggest cultural impacts for the global community of inventors and innovators by merging many creative minds and souls from **95 countries around the world to this special occasion in Canada from 2016 to 2022**. The iCAN Team's hard work and dedication for promoting inventors and entrepreneurs while facilitating social exchange, innovation marketing, licensing, and manufacturing have truly been remarkable and effective.

WIIPA fully supports this spectacular event iCAN and our honorable cooperation partner, Toronto International Society of Innovation & Advanced Skills (TISIAS) in Canada. Accordingly, **we highly recommend all member states of WIIPA as well as inventors, students, researchers, scientists, entrepreneurs, and enterprises to take their best shot to grasp the opportunity to participate in iCAN 2023** and capitalize all fruits of beneficial means in this excellent competition in Canada.

Sincerely Yours,



Manli Hsieh
President

World Invention Intellectual Property Associations (WIIPA)



World Invention Intellectual Property Associations (WIIPA)

世界發明智慧財產聯盟總會

Website: www.wiipa.org.tw Email: wiipa@wiipa.org.tw



TISIAs

TORONTO INTERNATIONAL SOCIETY
OF INNOVATION & ADVANCED SKILLS



50 PARTICIPATING COUNTRIES & REGIONS

The 8th International Invention Innovation Competition in Canada, iCAN 2023

The 8th International Invention Innovation Competition in Canada, iCAN 2023
 ORGANIZED & FEATURED BY **LOCALLY & INTERNATIONALLY SUPPORTED BY**



- AFGHANISTAN
- ALGERIA
- ARGENTINA
- AZERBAIJAN
- BELGIUM
- BOSNIA & HERZEGOVINA
- BRUNEI
- BULGARIA
- CAMBODIA
- CAMEROON
- CANADA
- CHINA
- EGYPT
- GEORGIA
- HONG KONG
- HUNGARY
- INDONESIA
- IRAN
- JAPAN
- KOREA
- LEBANON
- MACAO
- MACEDONIA
- MALAYSIA
- MOLDOVA
- MOROCCO
- NETHERLANDS
- PERU
- PHILIPPINES
- POLAND
- QATAR
- ROMANIA
- RUSSIA
- SAUDI ARABIA
- SINGAPORE
- SPAIN
- SRI LANKA
- SUDAN
- SWEDEN
- SYRIA
- TAIWAN
- THAILAND
- TUNISIA
- TURKEY
- UKRAINE
- UNITED ARAB EMIRATES
- UNITED KINGDOM
- UNITED STATES
- UZBEKISTAN
- VIETNAM



www.tisias.org/ican-finals2023

ICAN 2023 "THE 8TH EDITION"

2023 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA

GENERAL INVITATION LETTER

Dear Inventors, Innovators, Students and Researchers, June 15, 2023

We cordially invite you and your organization to participate in the 8th annual edition of International Invention Innovation Competition in Canada, iCAN 2023 proudly organized by Toronto International Society of Innovation & Advanced Skills (TISIAS), locally supported by Innovation Initiative Co-operative Inc. "The Inventors Circle" and globally supported by International Federation of Inventors' Associations (IFIA) and World Invention Intellectual Property Associations (WIIPA).

iCAN is the world-recognized premier event of Canada for inventors which has shown continuous growth and improvement since its first edition in 2016 through 2022 with each year breaking the previous year's records for the total number of participating inventions, countries and collaborating organizations. iCAN 2022 last year featured more than 720 inventions from 81 countries around the world.

The past 7 editions of iCAN from 2016-2022 featured participants from 95 countries from all continents around the world including North, Central and South Americas, Asia, Europe, Africa, the Middle East, and Oceania which redefined the event as the true global stage for merging worldwide creativity and innovation in the center of the multicultural mainstream of Toronto, Canada.

This year, the 8th International Invention Innovation Competition in Canada, iCAN 2023 will be held online and it is our honour to once again invite you to join us and share your ideas, make an impact, and be awarded for your outstanding creativity and innovation that Canada wants to see from you.

iCAN is a colossal confluence of many favourable programs: invention competition, keynote speakers' presentations, The Finals Movie and the iCAN Awards. Inventors, innovators, students, professors, researchers, scientists, designers, entrepreneurs, and anyone with spectacular ideas are eligible to apply to iCAN 2023 and participate in all event programs above and enjoy many benefits of participation.

***IMPORTANT NOTICE: This year's iCAN 2023 will be held online for long-distance mode (remote) participants only.** There will be no physical exhibition or award ceremony in Toronto, Canada. All award winners will officially receive iCAN 2023 Award Package containing their award certificate(s), medal(s) and/or plaque(s) with event souvenirs by international express airmail at the end of the event.

For more information, please visit us at www.tisias.org/ican-2023 and feel free to contact our team at ican@tisias.org for registration and relevant inquiries. We will be happy to help your needs and welcome you aboard to iCAN 2023 "The 8th Edition" with open arms!

Sincerely Yours,

MOONSUK CHANG
 Chairman & Chief Exhibition Officer
 Toronto International Society of Innovation & Advanced Skills (TISIAS)

* The Preliminaries Registration Period
JANUARY 15 - JULY 15
 * The Finals Program & Awards
AUGUST 26



2016 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 'BECAUSE WE CAN'
 Organized by IIFIA, WIIPA, TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminary Registration Period: JANUARY 15 - JULY 15
 Final Round and Award Ceremony: AUGUST 27

2017 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 EXHIBITION - SEMINAR - AWARD CEREMONY
 'BECAUSE WE CAN'
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminary Registration Period: JANUARY 1 - JULY 15
 Exhibition - Seminar - Awards: AUGUST 26

2018 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 EXHIBITION - SEMINAR - AWARD CEREMONY
 'Because We Can'
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminaries Registration Period: JANUARY 15 - JULY 15
 Exhibition - Seminar - Awards: SEPTEMBER 1

2019 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 EXHIBITION - SEMINAR - AWARDS CEREMONY
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminaries Registration Period: JANUARY 15 - JUNE 15
 Exhibition - Seminar - Awards: AUGUST 24

2020 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 EXHIBITION - SEMINAR - AWARD CEREMONY
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminaries Registration Period: JANUARY 15 - JUNE 15
 Exhibition - Seminar - Award Ceremony: AUGUST 29

2021 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 THE PREMIER EVENT OF CANADA FOR WORLDWIDE INVENTORS
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminaries Registration Period: JANUARY 15 - JUNE 15
 The Finals Program & Awards: AUGUST 28

2022 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 THE PREMIER EVENT OF CANADA FOR WORLDWIDE INVENTORS
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminaries Registration Period: JANUARY 15 - JUNE 15
 The Finals Program and Awards: AUGUST 27

2023 INTERNATIONAL INVENTION INNOVATION COMPETITION IN CANADA
 THE PREMIER EVENT OF CANADA FOR WORLDWIDE INVENTORS
 Organized by TISIAS, Innovation Initiative, IIFIA, WIIPA
 Preliminaries Registration Period: JANUARY 15 - JUNE 15
 The Finals Program & Awards: AUGUST 26

TISIAS
 TORONTO INTERNATIONAL SOCIETY OF INNOVATION & ADVANCED SKILLS
www.tisias.org
ican@tisias.org

International Invention Innovation Competition in Canada
ICAN-TORONTO, CANADA

ICAN 2023 "THE 8TH EDITION"

THE FINALS

AUGUST 26 @ 10:00AM(EST) – TORONTO, CANADA
WWW.TISIAs.ORG/iCAN-FINALS2023

**"THE FINALS" AWARD WINNERS
KEYNOTE SPEAKER PRESENTATION
"THE FINALS" MOVIE SHOWCASE
ICAN 2023 OFFICIAL CATALOGUE**

★ THE FINALS AWARD WINNERS TO BE ANNOUNCED ONLINE

THE ANNOUNCEMENT OF iCAN 2023 "THE FINALS" AWARD WINNERS WILL BE UPLOADED ON THE WEBSITE ON AUGUST 26 LISTING ALL FINALISTS WHO HAVE ENRICHED THEIR COMPETITION PARTICIPATION IN "THE FINALS" BY SUBMITTING THEIR INVENTION/PROJECT PRESENTATION VIDEOS.

"THE FINALS" AWARDS WILL FEATURE THE FOLLOWING TITLES:

- THE GRAND PRIZE OF iCAN 2023
- THE SEMI-GRAND PRIZE OF iCAN 2023
- TOP 10 & TOP 20 BEST INVENTION AWARDS
- JURY'S CHOICE AWARDS & ORGANIZER'S CHOICE AWARDS
- BEST YOUNG INVENTOR AWARDS & BEST WOMAN INVENTOR AWARDS
- BEST INVENTION VIDEO AWARDS & BEST INVENTION DESIGN AWARDS
- SPECIAL AWARDS BY CANADIAN ASSOCIATIONS & SOCIETIES
- SPECIAL AWARDS BY INTERNATIONAL DELEGATIONS

SPECIAL AWARDS TO BE FEATURED IN THE FINALS (TENTATIVE):

THE FINALS AWARD WINNERS LIST WILL BECOME AVAILABLE ON AUGUST 26 @10:00AM EASTERN TIME TORONTO AT WWW.TISIAs.ORG/iCAN-FINALS2023

★ KEYNOTE SPEAKER'S LECTURE PRESENTED BY HOWARD A. LIM

"How to Rise Far Above Your Competition"

Your brand must stand for something. One of the most important aspects of differentiation is brand positioning, or how a brand is positioned against its competitors in the marketplace as well as against its sibling brands. The clearer your position, the more likely you are to stand out as a billboard in the consumer's mind. Are you thinking too small when it comes to your brand? As the visual foundation of your company, your brand has the power to influence sales, shareholder value, and relevancy. Fortune 500 branding and business architect Howard A. Lim will show you how to define your UB (Unique Buying Proposition) to 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 for months and years to come. Armed with real-life case studies from Howard's experience building Fortune 500 brands, you can turn your business into a unique brand that provides a memorable experience.

HOWARD A. LIM
President
HOW CREATIVE
OF CREATIVE BUSINESS

5 KEY TAKEAWAYS:

- Revamp your brand positioning to implement growth now and in the future
- Create a world-class strategy that makes your brand stand out from competition
- Discover branding secrets used by Fortune 100 companies to secure more sales and long-term customer loyalty
- Avoid common branding mistakes that prevent your brand from being distinctive
- Learn how to instantly convey the unique purchase proposition in today's market climate

★ THE FINALS MOVIE SHOWCASE TO PREMIER ON AUGUST 26

"THE FINALS" MOVIE WILL FEATURE A PORTION OF ALL FINALISTS' VIDEOS MIXED WITH ALL CONGRATULATORY MESSAGES FROM THE MEMBERS OF THE iCAN 2023 ORGANIZING COMMITTEE & JURY MEMBERS AND ALSO FROM THE INTERNATIONAL DELEGATION LEADERS TO CELEBRATE THE ANNUAL EVENT.

★ THE OFFICIAL CATALOGUE WILL BE AVAILABLE FOR VIEW/DOWNLOAD

THE OFFICIAL iCAN 2023 CATALOGUE (BOOKLET) IN PDF WILL BECOME AVAILABLE ONLINE, LISTING ALL PARTICIPANTS OF THE COMPETITION AND GENERAL OUTLINE OF THE EVENT WITH THE COMMITTEE'S ACKNOWLEDGEMENTS.

THE CATALOGUE WILL CONTAIN ALL NECESSARY INFORMATION ABOUT THE EVENT INCLUDING THE ENTIRE LIST OF EXHIBITS BY EACH COUNTRY/REGION, AND DIRECTORY OF ALL INNOVATIONS PRESENTED IN THE COMPETITION. IT WILL ALSO HAVE VARIOUS WELCOMING MESSAGES BY OUR ORGANIZING COMMITTEE AND INTERNATIONAL DELEGATIONS AND PARTNERS FOLLOWED BY THE GENERAL INFORMATION ABOUT iCAN 2023 EVENT.

★ OVERALL SUMMARY AND REMARKS AFTER THE FINALS

- ✧ iCAN 2023 "The Finals" Contents will all become available on August 26th @ 10:00AM (EST) Toronto, Canada at www.tisiAs.org/iCAN-finals2023
- ✧ The above URL link will become accessible at the specified time above
- ✧ The Finals Award Winners List, Keynote Speaker Video, Official Catalogue, iCAN 2023 Finals Movie will remain uploaded on the website link above for those who can only access later in time
- ✧ The decision for the Finals award selections will be FINAL
- ✧ There is no real-time Zoom Calls or Google Meets for iCAN 2023 "The Finals". Everything will be uploaded at 10:00AM for you to check & watch
- ✧ iCAN 2023 Award Package shipping will begin in the month of September in the order of applications submitted that have fully completed its registration requirements & confirmed the destination postal addresses
- ✧ For any questions/queries, please email iCAN 2023 Team at ican@tisiAs.org

We wish all the Finalists Best of Luck and Enjoy iCAN 2023 "The Finals"
www.tisiAs.org/iCAN-finals2023

International Invention Innovation Competition in Canada
ICAN-TORONTO, CANADA

Happy 1ST OF JULY

CANADA DAY

TISIAs
TORONTO INTERNATIONAL SOCIETY
OF INNOVATION & ADVANCED SKILLS



“Congratulations!”

The 8th International Invention Innovation Competition in Canada

iCAN 2023 “THE FINALS” AWARD WINNERS



Toronto, Canada
August 26th, 2023



www.tisias.org | ican@tisias.org

[iCAN 2023 “The Finals” Award Winners List](#)



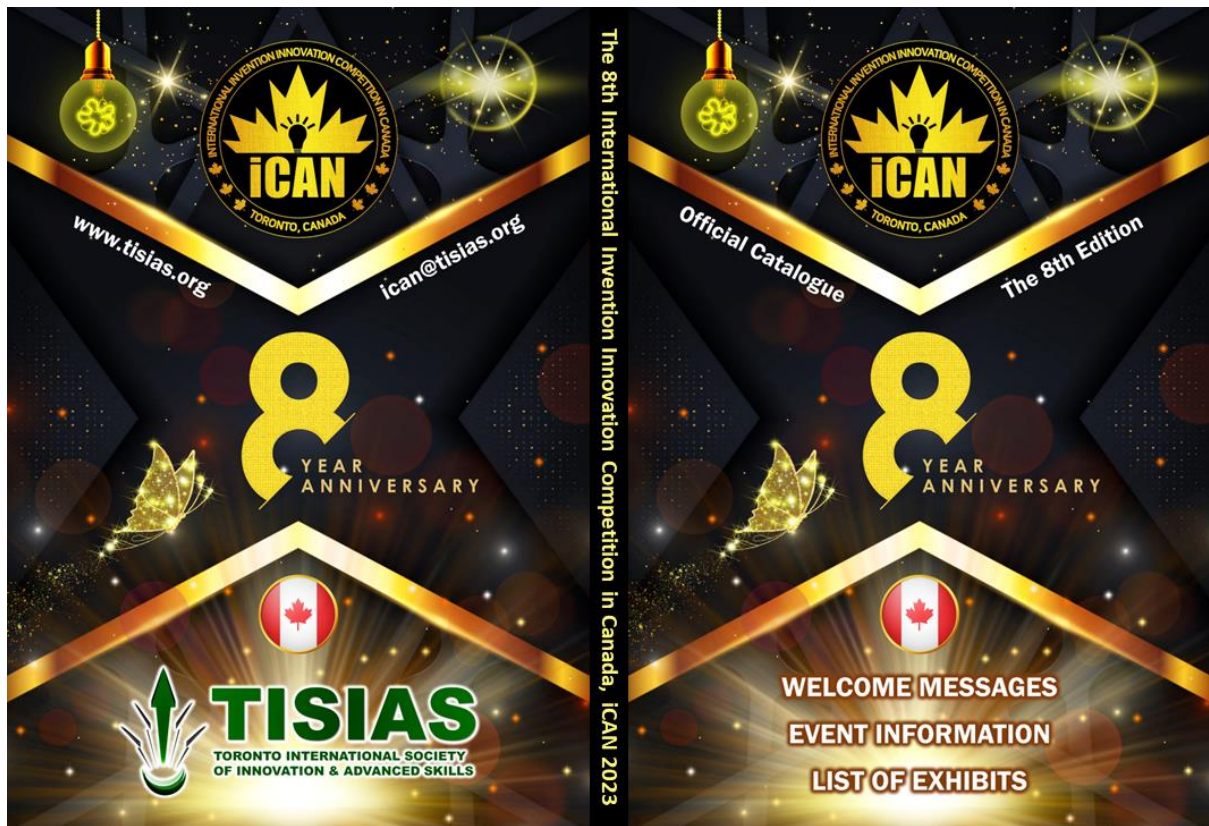
[iCAN 2023 “The Finals” Movie](#)

“HOW TO RISE FAR ABOVE YOUR COMPETITION”

Keynote by HOWARD A. LIM
President of HOW Creative
Co-Chairman of iCAN 2023 Jury Committee




[iCAN 2023 Keynote Speaker’s Presentation](#)



[iCAN 2023 Official Catalogue](#) (Click to Open)

OTHER USEFUL LINKS FOR iCAN 2023

- iCAN 2023 “The Finals” Page: www.tisias.org/ican-finals2023.html
- iCAN 2023 Main Page: www.tisias.org/ican-2023.html
- iCAN 2023 Media Files Google Drive Link:
<https://drive.google.com/drive/folders/1r54EdnjRPGDtQY22yDYbUx7MAAu1AZ-O?usp=sharing>
- iCAN 2023 YouTube Videos Playlist:
<https://www.youtube.com/watch?v=ftM9pWrwizw&list=PLOSvDdkKaOI0oyh4IwvJcXnR3HDjEhhpl&pp=iAQB>

PARTICIPATING COUNTRIES & COLLABORATING ORGANIZATIONS

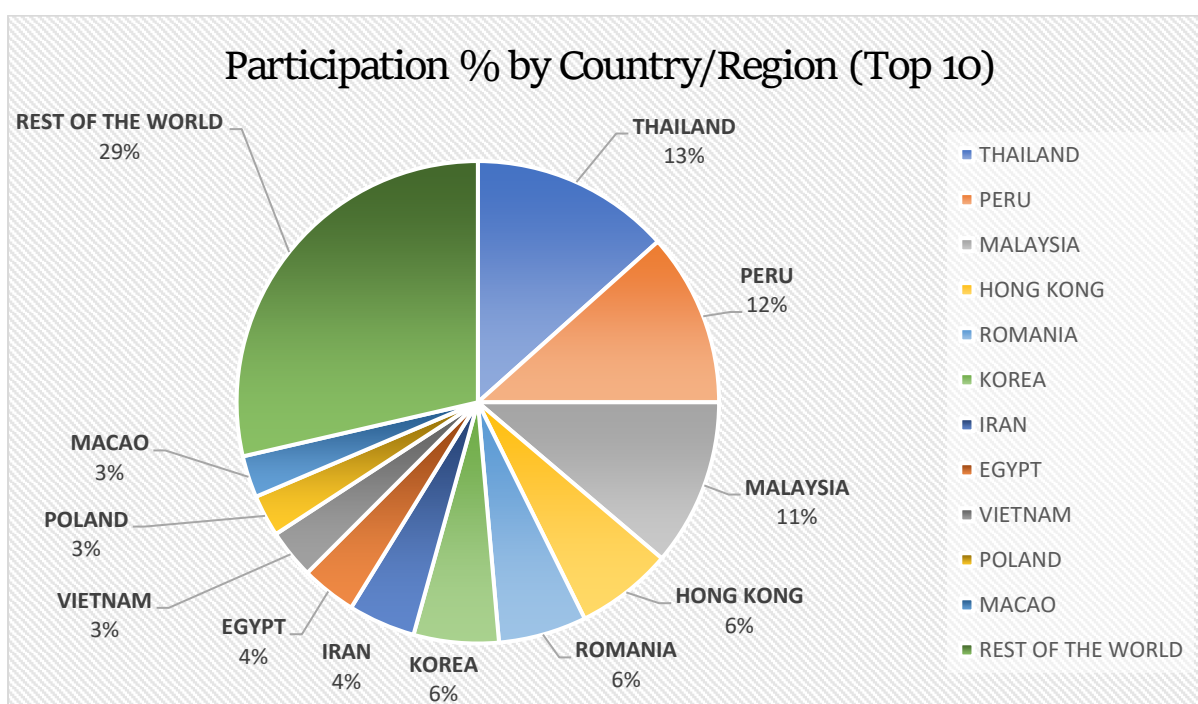
Participating Countries: A total of **50 countries** officially participated in iCAN 2023

iCAN 2023 was joined by participants from all over the world in almost all continents and regions: **Asia, North/South Americas, Europe, Africa, the Middle East.**

Collaborating Organizations: A total of **72 units/organizations** around the world including national invention associations, universities, research institutes and inventor clubs joined to collaborate with iCAN 2023 Organizing Committee and Team.

STATISTICAL DATA

GENERAL STATISTICS OF iCAN 2023	
Total Number of Applications Received (non-filtered; January – July)	655
Total Number of Preliminaries Contestants (disqualifiers filtered out)	621
Total Number of Finalists Selected (qualified contestants confirmed)	491
Total Number of Participating Countries (overall registration)	50
Total Number of Finalists Competed in the Finals (video submissions)	246



----- **End of Show Report** -----
 Reported on September 20, 2023

COMING SOON

“iCAN 2023 Award Winners’ Group Photo Collage” – December 2023
“iCAN 2023 Award Winners’ Photos Slideshow Memory Video” – December 2023

(**Photos taken with awards** are requested to be sent by all award winners → ican@tisia.org)
 Group Photo Collage to be produced and uploaded on www.tisia.org by the end of the year

SUMMARY

The main purpose of iCAN is to build a special platform to unite creativity and innovation initiatives of Canadian inventors with the rest of the world by providing everyone with the golden opportunity to expand their international network, business activities, promote their inventions, new products and research projects while achieving a new milestone of winning iCAN Awards from Canada for the worldwide inventors' beneficial gain of a unique international success.

The 8th International Invention Innovation Competition in Canada, iCAN 2023 organized by Toronto International Society of Innovation and Advanced Skills (TISIAs), supported by the Innovation Initiative Co-operative Inc. "The Inventors' Circle", International Federation of Inventors' Associations (IFIA), World Invention Intellectual Property Associations (WIIPA) and The Patent Invention Magazine was held virtually on August 26, 2023 in Toronto, Canada.

iCAN is the premier event of Canada for worldwide inventors which has shown continuous growth and improvement since its first edition in 2016 through 2022. The past 7 editions of iCAN from 2016~2022 featured participants from 95 countries from all continents around the world including **North, Central and South Americas, Asia, Europe, Africa, the Middle East, and Oceania** which redefined the event as the true global stage for merging worldwide creativity and innovation in the center of the multicultural mainstream of Toronto, Canada.

iCAN 2023 was entered by a total of 621 inventions from 50 countries and regions from around the world: North/South Americas, Europe, Asia, Africa, and the Middle East. All applicants initially competed in the competition Preliminaries for the evaluation for Gold, Silver, and Bronze Medal Awards. Furthermore, **the Organizing Committee and the Jury qualified 491 inventions to proceed to the Finals** where the Finalists were examined for their additional submission of video presentations. In the Finals, the jury selected winners for the Grand Prize, Semi-Grand Prize, Best Invention Awards and Special Awards.

The Finals event was held on August 26th and all contents for the Finals program was uploaded on the website of the organizer: <http://www.tisias.org/ican-finals2023>

- **iCAN 2023 "The Finals" Award Winners Announcement**
- **iCAN 2023 Keynote Speaker's Presentation**
- **iCAN 2023 "The Finals" Movie Showcase**
- **iCAN 2023 Official Catalogue Online**

Following the end of the Finals, all award winners of iCAN 2023 received their awards and recognitions by international airmail during the month of September, and everyone was asked to send photos of themselves with the awards to be further featured in **iCAN 2023 Group Photo Collage** which is planned to be published on TISIAs website and various social media platforms by the end of the year.



Website: www.tisias.org | Email: ican@tisias.org | Facebook: www.facebook.com/inventorsound
YouTube Channel: www.youtube.com/c/inventorsound | Instagram: [@inventorsound](https://www.instagram.com/inventorsound)

innovation initiative

BOB HUYBRECHTS
PRESIDENT / Innovation Initiative Co-operative Inc. (Toronto, Canada)

HOWARD A. LIM
PRESIDENT / HOW CREATIVE (Los Angeles, California, USA)

DR. SO SOKUNTHERY
Honorary Head of Architecture Department / Teacher University, Cambodia

PROF. CHAN MITHONA
Vice-Dean of the College of Science / Norton University, Cambodia

MANLI HSIEH
PRESIDENT / World Invention Intellectual Property Association (WIIPA)
Greetings to President Moonsuk Chang, ladies and gentlemen.

MIKE MCFARTHING
Director of Education / The Inventors Circle (Toronto, Canada)

DR. JJ VITTAL
Executive Professor, Department of Chemistry / National University of Singapore

DR. DRAGAN JOVANOVIĆ
Global Representative / Macedonian Association „Dobrotelba“

EUROINVENT

ANDREI VICTOR SANDU
PRESIDENT / ROMANIAN INVENTORS FORUM

SIR DR. YOSHIRO NAKAMATSU
CHAIRMAN / WORLD GENIUS CONVENTION - TOKYO (JAPAN)

AVDO HALILOVIĆ
Secretary-General / Inventors Association of Bosnia and Herzegovina

PROF. DR. MIHAIL AUREL TITU
Professor at "Lucian Blaga" University of Sibiu, Romania

Mr. N. N. W. Dolawatta
DIRECTOR/CEO / SRI LANKA INVENTORS COMMISSION

ERRICHA INSAN PRATISI
PRESIDENT / Indonesia, Invention and Innovation Protection Association (INNOPIA)

PROF. DR. AUGUSTIN SEMENESCU
Vice-Dean of Materials Science & Engineering / Politehnica University of Bucharest

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CHAIRMAN / SMART CARE TECH, SUDAN

MA. CHAT DONNA V. OFILAS
Secretary-General / Manila Young Inventors Association (MYIA), Philippines

DR. VICTOR BAUTISTA DÍAZ
Chemist & Technical Researcher / Buenos Aires, Argentina
Dear members of the Organizing Committee, members of the jury,

DR. VICTORIA RAMZY HABIB
Honorary Jury Member from Egypt (ICAN 2016 - Present)

DR. WAGDY RIZK GHALI
Honorary Jury Member from Egypt (ICAN 2016 - Present)

MOHAMMED A. HUMRAN
PRESIDENT / The Union of Arab Academics (TUAA), Yemen

DR. CATHERINE DEMETRIADES
CEO / CXAI Technologies, Cyprus

Wellbeing connect

1. Smart Wristband : Regular health monitoring will be conducted

The Trash Compactor
Ke Xin Xu

the trash compactor

MOONSUK CHANG
Chairman / Toronto International Society of Innovation & Advanced Ability (TISIAS)

Hello, My name is Panat Asasuppakit From Thailand.

the Multi-Functional Circuit Breaker

Variables

Questions	Variables	Controlled Variables	Independent Variables	Dependent Variables
1. Can the eggshell-blended herbal toothpaste be drawn from tea and coffee or not?	1. Remaining time	1. Amount of eggshell	1. Amount of tea/coffee	1. Amount of residue
2. Which type of herbal toothpaste do the volunteers prefer the most?	2. Evaluation of residue	2. Amount of eggshell	2. Amount of tea/coffee	2. Amount of residue

Hypothesis

1. Able to formulate the eggshell-blended herbal toothpaste and clean the stains.
2. The volunteers satisfy the product.

CENTER FOR RESEARCH AND DEVELOPMENT OF IIT

Dr. Stephen Chow Cheuk-fai 周卓輝博士
Associate Professor, Department of Science and Environmental Studies, Director of Knowledge Transfer, 知識轉移總監

自給自足食物有沒有變壞
to keep examine food condition.

ibican
www.ibican.com

you will see sitting light volleyball in regional international parasport competition.

LAZOS

Adjustable Legs & Surface

CoolPlay

School and the wider community.

ibican

INUTISM

Chiang Mai University Demonstration School

Student Inventors

Thantham Jittham, Warinsaya Sereepapong, Phichphanita Mathasuriyapong, Pimbisa Bisalputra

Step-by Step Usage

1. Insert a piece of clothing between the top and bottom parts of the S-C.R.U.B. with the stained area centered



Developing driver doze off detection system

WICO THAILAND

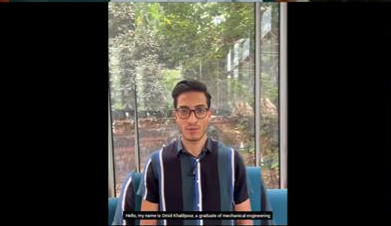
<https://inovasiingks2021.wico.com>

COMPOSITE MATERIAL BASED ON GLASS IONOMER CEMENT AND PHYTOSYNTHEZED METALLIC NANOPARTICLES WITH IMPROVED ANTIMICROBIAL PROPERTIES AND OBTAINING PROCEDURE

Patent application No. A00104/2023

Radu Claudiu Fierascu, Roxana Ioana Bradis (Matei), Anda Maria Baroi, Toma Fostis, Irina Fierascu, Lia Mara Ditu

The present invention relates to a composite material with improved antimicrobial properties, without negatively affecting the physical and mechanical properties, intended for use in dental applications. The material, according to the invention, consists of aluminumfluoroisilicate glass with a particle size below 45 nm, a liquid component of the glass



KELUARGA

Malay language learning method by

such as food nutrients and hand hygiene seven steps

Interactive Training Environments

Connecting Blynk IOT

DRONES

THE FRUIT BUNCH RIPENESS CAN BE DECIDED BY THE COLOR OF THE FRUIT BUNCH

METHOD
MACHINE VISION ANALYSIS
Camera on drone with AI vision
• unripe palm fruit (dark red color)
• ripe palm fruit (bright red and yellow)

APPLICABILITY OF THE INVENTION / INNOVATION

- Objective Detection
- Affordable
- Huge Market

W.R.I.S.T. LIGHT

Wrist Light

Solving The Royalty Payment Problem Through SANDR Algorithm

ICAN@TISIAS.ORG

ACTIVATED CARBON ENCAPSULATED GARLIC EXTRACT SOLUTION FOR ANTIBACTERIAL IN FISH TANK

THAILAND



Protective Effect of ECGG Against SH-Induced Cell Death in a Human Glial Cell Model of Alzheimer's Disease

Seoul Scholars International, Hyunsoo Cho

MyResiASAT

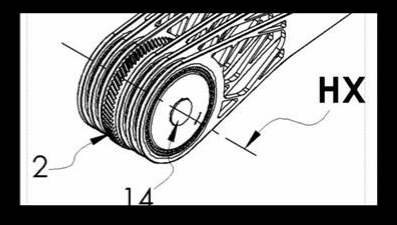
Future Plan

- Customizable dashboard
- Reporting tool
- Predictive analysis



BENEFITS

- STUDENTS: HELP STUDENTS IN THEIR SUBSEQUENT RESEARCH DATA, IN ARIE J PROGRAM, JELI, AND HEALTHCARE
- COMMUNITY: KNOWLEDGE OF WALK, FACTORY, RESEARCH AND INNOVATION
- ECOLOGICAL/ ENVIRONMENT/ ECOT: REDUCTION



MyResiASAT

including me, as the co-inventor



STEP 2 WASH THE ROSELLE LEAVES THOROUGHLY



Oh My Back

GOOD DAY GOOD BACK OH MY BACK

Objective

- To study the properties and efficacy extract of burnt coconut husks charcoal with 95% ethanol.
- To compare the quality of temporary hair dyed cream from burnt coconut husks charcoal with chemicals temporary hair dyed cream that more effective than chemicals temporary hair dyed cream.

Expected Benefits

- Able to extract black color from burnt coconut husks charcoal.
- Compare temporary hair dyed from burnt coconut husks charcoal that more effective than chemicals temporary hair dyed cream.

MyDailyPrice

Price Comparison, Recommended Price, Price Prediction

Set Favourite Food List, Complaint Logging on Unethical Merchant, Complaint Ticket Tracking

User Management, Dashboard Management, Food Price Data Scraping, Upload Food Price Information

Upload Complaint Ticket with Image Attached, User Complaint Management & Verification with the powerful feature of MyDailyPrice

Oh My Back

ACCURACY: MEAN ABSOLUTE ERROR < 4 PD (AS ACCURATE AS HUMAN EXPERTS)

WELCOME TO YOU ROCK BANGKOK BOARD GAME

MACHINE HELPS BLIND PEOPLE READ TEXT IN BOOKS AND WEBSITE

- Nguyen Dang Minh Quan, Ngo Van So Secondary School, Lao Cai City, Vietnam
- Tran Nguyen Tram, Lao Cai High School No. 3, Lao Cai City, Vietnam
- Dang Ngoc Lam, Lao Cai High School No. 3, Lao Cai City, Vietnam



Dentist

The dentist found that patients often brush their teeth and use floss. There are still problems with brushing the teeth, therefore we need a smart toothbrush.

A power motor, Speakers, Battery DFPlayer Mini, Light conversion modules, GA12-N20, Processing boards, Dual-H-bridge, 2 Small Switches, Micro Servo



MICRODENTAL TIP



DEVICE: BI-LUMIN FOR LEARNING COLOR
 Patent for number: RU2719632
 PCT: WO/2024/024
 TM: 822619
 TM: 180294 WFO

Product type: Art School Materials/ Art Education
 Curriculum Area: Art, Performing Arts, Engineering, Mechanical
 STEAM: Science, Technology, Art, Engineering, Mathematics

THE MIND-CONTROLLED ARTISTICAL LEG AND KNEE
 Novrah Farnazi

COPAcrete are dried pandan leaf, dried

The glasses have the use of detecting the distance

This project using agricultural waste to make bricks; the main materials to make building and it is also a good effort in reducing the impact of environmental pollution to all of us

UNIVERSIDAD NACIONAL AGRARIA
LA MOLINA

Invention:
ANAEROBIC DIGESTION SYSTEM FOR THE PRODUCTION OF BIOGAS RICH IN METHANE
 Inventor: Engineer Lawrence Quiroz Ushihua
 Professor of the Academic Department of Environmental Engineering of the Faculty of Sciences
 La Molina National Agrarian University
 Lima, Peru

and light the screen after the user has watched different objects for 20 s

Mixing the foam waste with a solution derived from foam.

Problems of normal cold pack

- Inconvenient to carry around. Must be kept in refrigerator.
- Difficult to find for instant use when we are not at home
- Need to use hand to hold. Does not fit with our body. Uncomfortable to use.

especially when we are not at home or at school.

The inventor Carlos Ugarte works with me

Today, our patent for Unidosis Soap

Living conditions and care for the environment.

with finely ground leaves

LABUAN INTERNATIONAL SCHOOL

NICOLE CHIA
 XIN DONG

SHARANESHRI
 SAKAVANAN

SUPERVISOR
 MOM JENNIFER

Materia prima con actividad antibacterial

a raw material with antibacterial activity.

EFFECT AND CONTRIBUTION

THIS INVENTION HAS A SIGNIFICANT IMPACT ON THE UNDERSTANDING AND ACQUISITION OF THE RULES OF ACCENTUATION AND THE EDUCATION IN SPANISH. IT PROVIDES AN INTERACTIVE AND GAMIFIED TOOL THAT FACILITATES THE LEARNING OF ACCENTUATION RULES AND STILL LABOUR IN SPANISH. IN ADDITION, IT CONTRIBUTES TO THE DEVELOPMENT OF PHONOLOGICAL SKILLS, RECOGNITION AND LOGICAL COMPREHENSION.

BIOSER

T/TANurix

- COMPOSTABLE MATERIAL
- ERGONOMIC DESIGN
- RESISTANT DESIGN

Figura 1.1. Diagrama de bloques de la Estación de desinfección y recarga de baterías de celulares

COMMERCIALIZATION AND FUTURE POTENTIALS

THIS DEVICE HAS GREAT POTENTIAL IN THE EDUCATIONAL FIELD, AS IT CAN BE USED BY HOME STUDENTS AND TEACHERS TO IMPROVE THE LEARNING OF ACCENTUATION RULES AND STILL LABOUR IN SPANISH. ITS INTERACTIVE AND GAMIFIED APPROACH HAS AN ATTRACTIVE AND VERSATILE RESPONSE. MOREOVER, IT CAN BE WIDELY USED IN SCHOOLS, SCHOOLS AND HOMES AS AN

ya sea diferentes tipos de cáscaras.

Vera I am a mathematical physics teacher, the goal is to contribute

a cold therapy team for stroke patients that helps stimulate and relax contracted arm muscles by applying a pneumatic and cold compression treatment

Colady works from modules

Green care for a better world

BIOSANIT

TISSAS

This is what made me participate in this international innovation fair.

Although there are already similar formulas for microbiological control

SOLUCION

QUITOSANO

chitosan, white vinegar and phenylalanine.

It functions as an assistant between the teacher and the child, allowing continuous participation in the classroom, with the robot resting on behalf of the child.

SINAMI

It is a fruit from the Peruvian Amazon

SOMBO LINTAM

Certification

DRA. LUCIANA DE LA FUENTE

My name is Luciana de la Fuente and I am a member of CITE.

UPN

On the other hand, Hass avocado cultivation has increased in the country in recent years, according to Prohass.

All this information is collected and displayed dynamically to the farmer.

UPN **SAFETY** **NO ES SALIDA**

of Safety Signs for Visually SALIDA impaired people.

Talk about ecology as it is an ecological brick makes sense

Care Camera
Chayarat Wangweera

nanosensors detect small molecules

PROJECT DESCRIPTION
The objective of this project is to design a device that can detect the presence of micro-nanoparticles in exhaust gases...
METHODOLOGY
Hardware Diagram
Process Diagram

Equipment

DR. ZHIQIN CHU
Live cell-based sensing is a promising alternative

"New technology to remove micro-nanoparticles from exhaust gases"
After several successful projects in various industries (construction, mining and transport), we have now developed a new technology with a high separation efficiency that can be used for:
1- Cleaning crankcase gases and
2- Reducing particulate matter (PM) from exhaust gases

Nano Control technology

The objective
To produce the test kit for evaluate the amount of alcohol handwashing with Anthraquinone compound

Equipment

Pran Udomsawaengsup

Sirarin Prasitdumrong

M-Shield ION
JIRANAT CHAIYOSBURANA
TISIAS

Reduce 77% of ammonia gas concentration in 3 hours
While a brick without the bio calcium titanium is able to reduce 28% of the ammonia gas.

Mercury Venus
The avaral mirrors Tom.

RADIATOR
CARINTO3D

UNRAVELING THE POTENTIAL OF Eu³⁺-DOPED ZnO QUANTUM DOTS IN QUINOLONE ANTIBIOTICS ANALYSIS

The Shield

PART 4: COMMERCIALIZATION AND FUTURE POTENTIAL

5-in-1 Page Turner
SARIN PRASITDUMRONG

Good morning esteemed adjudicators

High water-separation capacity can be harnessed to increase the moisture-separation efficiency

the same amount of copper wires would cost USD 5.40

SAFETY SMART ALIEN SENSE
And we've brought an array of sensors

Participating in the competition, we bring

WASTE MANAGEMENT AND UTILIZATION

Occupancy / Status of Space Motion of a Person
Fall Detection System + AI = Predictions
Accuracy
Add Additional Sensors
Cameras
Beam-Sensing Radar

Brainy Booster

WASTE MANAGEMENT AND UTILIZATION

WASTE MANAGEMENT AND UTILIZATION

Brainy Booster

Brainy Booster

WASTE MANAGEMENT AND UTILIZATION

WASTE MANAGEMENT AND UTILIZATION

Brainy Booster

Brainy Booster

WASTE MANAGEMENT AND UTILIZATION

WASTE MANAGEMENT AND UTILIZATION

Brainy Booster

Brainy Booster



LARGE POT TISSUE ROBOT WITH THE ABILITY TO CHANGE THE SIZE



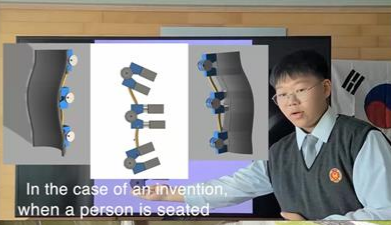
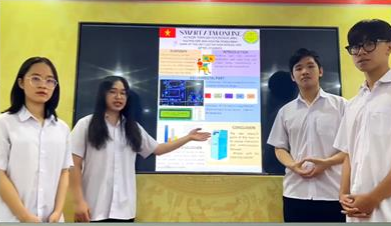
and we're Cyclcloud



for face and body, whose moisturizing and emollient effects



medical sensors that allow us to measure



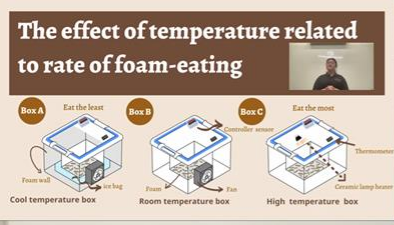
In the case of an invention when a person is seated



Once the angle is located, we move the set square



Then the pack will become instantly cold



The effect of temperature related to rate of foam-eating



magically transform into a shared tal



- Student Inventors**
- Thanham Jitham
 - Warinsaya Sereepapong
 - Phichphanita Mathasuriyapong
 - Pimbisa Bisalputra



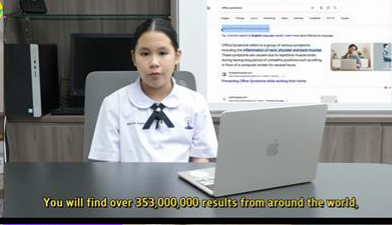
in the casting process



DR. KARRINA S.M. WONG



HASSANHABIB



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Self Filtering Power safety helmet For bicycle and motorbike



In standard mineral surface detectors, lead acids, a sensitive and environmentally-polluting compound is used.



ESSENTIALLY FOCUS ON THE REMOVAL OF CIGARETTE POLLUTION



The app has the function of creating a report after collecting data.



sago starch have the potential to become raw materials for making biofoam



and designed to fast fire resistance and adhesives in and out of the laboratory.



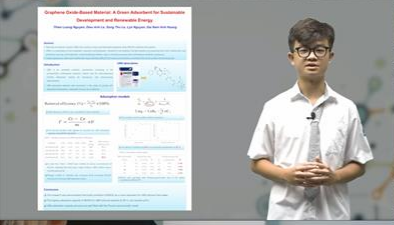
molecular sensing technology on food safety surveillance.



making it easier for users to apply the label.



Antifungal spray from basil leaves extract applied for handicraft products made from natural fibers



color



color



color



color



Coldly helps patients who have suffered a stroke, who can have a constant treatment



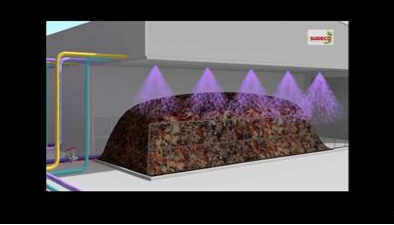
In this way, farmers obtain valuable information such as whether an area lacks moisture or macronutrients.



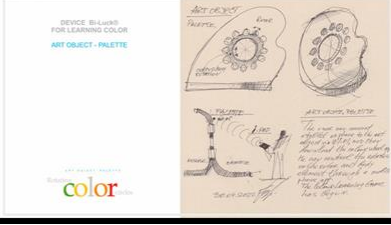
Kenali Semai



Antifungal spray from basil leaves extract applied for handicraft products made from natural fibers



color



color



color



color