



# 2023年第11屆澳門國際創新發明展

The 11<sup>th</sup> Macao International Innovation and Invention Expo (MiiEX) 2023

## 澳門最具規模發明展

Macao's Largest Innovative Invention Expo

發明比賽，發明家交易、交流，免費知識產權講座

Invention Contests, Inventors exchange, Free IP seminar

2023.10.27 ~ 2023.10.29

9:30 a.m. ~ 6:00 p.m.

展會地點：澳門會展中心

Venue : Macau Convention Centre

<https://www.macaoconvention.com/>

指導單位  
Guidance unit



中國發明協會  
China Association of Inventors

主辦單位  
Organizer



澳門創新發明協會  
Macao Innovation and Invention Association

協辦單位  
Co-organizers



世界發明智慧財產聯盟總會  
World Intellectual Property Association



香港發明創新總會  
Hong Kong Federation of Invention and Innovation



香港發明協會  
Hong Kong Invention Association

電訊伙伴  
Telecom partners



支持單位  
Supporters



線上協辦單位  
Online Co-organizer



媒體支持單位  
Media Partners



電郵 / Email: [info@miiex.net](mailto:info@miiex.net)

網址 / Website: <http://miiamacao.org>



### **1. Purpose:**

In response to the guidelines given in the China's Fourteenth Five-Year Plan, the Guangdong-Hong Kong-Macao Greater Bay Area and The Belt and Road Initiative, Macao International Innovation and Invention Expo is intended to develop a platform for entrepreneurs and teenagers from all over the world to introduce and share their brilliant inventions as well as exchanging the advancement and application of science and technology in different relative fields. We also warmly celebrate the 24<sup>th</sup> anniversary of the founding of the Macao Special Administrative Region with guests from around the world.

### **2. Significance**

For a long time, this event has attracted many participants from all over the world. Many participants reported that they have benefited a lot from the competition. After communicating with players from different regions, they have broadened their horizons and brought new innovative ideas, had a deeper understanding of Macao's more than 400 years of Chinese and Western cultural history.

### **3. The organizational units:**

- (1) Guidance unit: China Association of Inventions (CAI);
- (2) Organizer: Macao Innovation and Invention Association (MiiA);
- (3) Co-organizers: World Invention Intellectual Property Associations (WIIPA), Hong Kong Federation of Invention and Innovation (HKFII), Hong Kong Invention Association (HKIA);
- (4) Support Units: International Federation of Inventors' Associations (IFIA),
- (5) Online Co-organizer: Huafa 7IPR National Intellectual Property Operation Platform;
- (6) Partners: Guangdong-Hong Kong-Macao Greater Bay Area Innovation and Invention Association, Shanghai Association of Inventions, GoangDong Association of Inventions, Zhongshan Invention Association, Dongguan Invention Association, Huizhou Invention Association, Foshan Shunde Innovation and Invention Association, Shenzhen Enterprise Science and Technology Innovation Association, Technology Innovation Association of Shenzhen Enterprise, Zhuhai Promotion Association of Science and Technology Innovation, Foshan China Academy of Invention Achievement Transformation, Shunde District in Foshan City Youth Growth Promotion Association, Sichuan, Chongqing, Hong Kong, Macao and Taiwan Youth Science and Technology Innovation Alliance, Chongqing denghongji Chuangfa Education Technology Co., Ltd, World Invention Intellectual Property Associations, Taiwan Edison Creative Invention Academy, HongKong Council for technology & Creation, Macao Victory IP Agent Co. Ltd, ZWCAD Design Co., Ltd, Macao International Ideas and Innovational Inventions Incubation Association, Impressao Digital Educacao E Investimento Consultadoria Limitada); Creathinx; Toronto International Society of Innovation & Advanced Skills; Croatian Inventors Network; Egyptian society for woman & youth inventors; CMA Choi Cheung Kok Secondary School; Indonesian Invention and Innovation Promotion Association; Ania Association; IRTI IRANIAN TOP INVENTORS; National Association of Inventors; Chizai Corporation; Korea University Invention Association; Malaysia Research and Innovation Society; NNSHS-Young Researchers Club; Eurobusiness-Haller; Agri Green Foundation; Romanian Inventors Forum; Highly Innovative Unique Foundation; Citizen Innovation; Sri Lanka Inventors Commission; Smart care tech; Taiwan Invention Products Promotion Association; Turkish Inventors Association; Inventors City; International Invention and Trade Expo Committee; Institute for Invention and Innovation-SANVIC; Indian Innovators Association; Norton University.
- (7) Media Partners: Macao Satellite TV Western Organization/The Patent Magazine (IFIA & MiiA Official Media Partner, <https://www.thepatent.news/> );
- (8) Undertaker: Macao Innovation and Technology Park Limited.

### **4. Exhibition venue:** Macao Convention Centre

### **5. Competition items :**

Innovative Invention Project (Participants can choose to participate in online or on-site exhibitions)  
Enterprises, students (individuals or groups of 7 people), individuals or groups (within 7 people) participate in the competition in the form of innovation and invention projects.

## 6. Important Events Schedule :

Time & Date	Program	Location
July 12	Online Registration – Open	<a href="http://www.miiamacao.org">http://www.miiamacao.org</a>
6pm (GMT+8) September 12	Online Registration Close at 6pm (GMT+8)	
September 23-24	Online Judging	By Zoom or Google Meet
October 7-8	Online Judging	By Zoom or Google Meet
2pm-6pm October 26	Move - in date for Booth Setup	Macau Convention Centre
9:30am-6pm October 27	Expo Day 1 On-site Judging Welcome Dinner	
9:30am-6pm October 28	Expo Day 2 On-site Judging	
9:30am-6pm October 29	Expo Day 3 Road Show Award Ceremony	
9am-5pm October 30	Culture Journey (For advance booking only)	
		Macau Tourist Attraction

## 7. Registration and online registration procedures:

(1) Please contact MiiA, Expo Advisors, co-organizers or support units for further instructions and procedures before 12/8/2023. The relevant units will provide accounts and passwords required for online registration procedures;

(2) The online registration system will be open from 12/7/2023 to 12/9/2023 at 6pm (GMT+8);

(3) It is important for participants to complete the online project registration before 12/9/2022

(<http://www.miiex.net/>) ;

(4) If the registration is successful, the sentence "completed, thank you!" will be shown up after the final submission. But in order to ensure that the registration has been completed successfully, please log in again with your account and password. If the data exists, it means the registration is successful.

## 8. Eligibility:

(1) Individuals, enterprises and students are welcomed to sign up for the competition in the two participation categories, the Enterprise/Individual category and the Students Categories.

(2) Innovative, advanced, scientific and practical inventions completed within the past year (after 9/ 2021);

(3) Exhibits that have participated in any previous MiiEX exhibitions are not qualified for registration (except those with obvious and distinct improvement);

(4) Scientific research papers cannot be registered for this Expo.

## 9. Video submission requirements:

(1) Considering the protection of the intellectual property rights of the inventors, and in order to prevent the video of the invention from being published on the public website, the video file will be uploaded to the server of the registration system. The video is required to be in MP4 format at 1080P/30fps, 16:9 horizontal resolution, within 3 minutes and the file size is less than 30MB;

(2) Video duration: Within 2~3 minutes (including the opening and ending of the video), the video should include but not limited to the following contents: introduction of the creation process of the project, the characteristics of the innovative invention, creativity, marketability/profitability, and operability.

## 10. Requirements for research report submission of projects:

(1) The report should explain thoroughly in the three main aspects as mentioned in the rubrics: creativity, marketability / profitability and operability. The report should be written no more than 500 words. It is recommended to include diagrams of the front, left and right views or the structure diagram of your project, it will be better if related research or experiment data is provided ;

(2) The first page should be reserved for the introduction, and the other pages should include the contents

as mentioned. In order to let the judges know more about the project, the patent certificate (if any) can be posted in the report; any previous award certificate can also be included (if any, only the highest award certificate; other awards history can be listed in words);

(3) The report should be no more than 4 pages of A4 paper, with one poster introducing the invention. Please compress the picture if necessary and submit it in PDF format, the document should be less than 6MB;

(4) The name of the file should not be too long, preferably in 10 characters, and should not contain ( ) and "".

**11. Exhibitors' notices:**

(1) The awards of all winners will be sent by international airmail. Please provide accurate and detailed address (Chinese or English) and postcode ;

(2) Each entry is only accepted to be completed by a maximum of three participating units or seven inventors. The relevant information must only appear on the same certificate and cannot be separated.

**12. On-site Participants: Exhibition booth, exhibition stand:**

(1) size of exhibition booth and exhibition stand:

a). Exhibition booth area:  
3m(length)×2(width)×2.5m(height)



b). Exhibition stand area:  
1m(length)×0.45m(width)×2.5m(height) · height of stand  
0.75m(stand)



(2) On-site Participants: Exhibition booth, exhibition stand and charge table1

	Type of exhibition booth & exhibition stand	unit price
1.	3 m ×2 m standard booth Remarks: maximum for 3 exhibits	USD2,600/EUR2,350 per booth
2.	1m(length)×0.5m(width)×2.5m(height) exhibition stand Remarks: for 1 exhibit and student only	USD500/ EUR460 per exhibit

(3) On-site Participants: Configuration exhibition booth exhibition stand table2

	exhibition booth:	Exhibition stand:
1.	3m ( width ) ×2m ( depth ) , three-sided exhibition board please prepare your own necessary decoration	One exhibition stands and one chair
2.	<ul style="list-style-type: none"> <li>●One Fascia Board (maximum 50 words in English)</li> <li>●3 spot lights of 23W, 1 chair and 3 table, one 13-A sockets</li> <li>●Please print out the exhibition decoration and stick at the scene.</li> </ul>	Please print out the exhibition decoration and stick at the scene.
3.	Extra charges if additional power or socket needed	USD75/EUR70 per one

**13. Charge and arrangement:**

(1) Each standard exhibition booth can put up 3 exhibits, exhibitors who have fewer than three exhibits will be arranged to share with others and the cost of each exhibit is USD960/EUR951. The exhibition stand is only available to students and can put up one exhibit only, the charge is based on the above table1;

(2) Charges of each exhibit include cost of exhibition booth/exhibition stand (basic electricity, tables and chair), evaluation fee for a project, an award certificate and medal (only for those having awarded)

(3) The conference will issue relevant registration forms to all participants. If you need to purchase additional award certificates or medals, please fill in accordingly;

(4) There will be no refunds whether the registered participants attend in the "Cultural Tour" or not ;

(5) If you are participating in the offline exhibition, it may be turned into an online exhibition due to the impact of the epidemic. If so, it will be arranged to conduct an online review with the judges. Whether to participate in the online review is free for the participants to choose.

**14. "Cultural Tour" in Macao**

(1) Tickets for additional tickets for Cultural Tour need to be purchased, it is USD75/EUR68 for each. Registration is required at the time of registration, and on-site additional purchases are not accepted;

(2) Ticket for Cultural Tour includes coach transfer, entrance fees to tourist attractions, tour guide fees and lunch fees (Note: Insurance is not included, please purchase by yourself).

**15. Poster format of showing boards of exhibition booth and exhibition stand:**

(1)Poster Size : 90mm(w) x 120mm ( h ) ; Electronic AI posters will be provided to online and on-site exhibitors ;

(2)Display board posting requirements: In order to avoid damage to the board, the conference will provide double-sided adhesive tape, please collect it from the on-site staff.

**16. Evaluation Rubrics:**

(1) All participating projects will be reviewed and evaluated according to the rubrics given (Table 3);

(2) Participants' introduction videos take up 50%; post and project introduction materials submitted in the online registration take up another 50%;

(3) An International Jury Panel will be invited from CAI, WIIPA, HKFII and HKIA and friendly organizations around the world to review the projects.

Table 3

Evaluation Rubric	
Creativity	Innovative Function (10%)
	Innovative (10%)
	Application of Scientific Nature (10%)
	Patentability (10%)
Marketability & Profitability	Environmentally Friendliness (10%)
	Market Demand (5%)
	Social Contribution (5%)
	Appearance (shapes, colours, and sizes) [5%]
	Exquisiteness (5%)
Operability	Operation (10%)
	Structural Rationality (10%)
	Overall Collocation (10%)

**17. Invention categories:**

Table 4

Invention Categories	1. Aerospace & Aviation	11. Household Items/ Infant & Child-care
	2. Agriculture	12. Industrial Design/ Manufacturing Process
	3. Apparel, Fabric and Garment	13. Information Technology
	4. Automotive & Transportation	14. Machines and Equipment
	5. Biotechnology, Health & Fitness	15. Materials
	6. Building and Construction	16. Medical/nursing/special care
	7. Chinese/Western Medicine	17. Office Products
	8. Chemicals	18. Printing & Packaging
	9. Educational Items	19. Sports & Games
	10. Environmental/ Energy	20. Military Industry
		21. Other ( please fill in the relevant category )

**18. Reward methods:**

(1) Qualified innovative invention exhibits will receive relevant medals (Gold, Silver and Bronze) and award certificates;

(2) Best Organizer Award will be presented to outstanding organizations with more than 10 exhibits;

(3) **Outstanding Tutor Award:** There is an Outstanding Tutor Award for innovative invention projects and creative projects. If the participating project wins the gold award, the tutor will receive a certificate of Outstanding Tutor Award (see page 19 for details), which is the same if the project is tutored by multiple teachers, the corresponding number of joint certificates can be issued according to the actual situation, and the individual name will not be issued separately. Please be noted the silver or bronze award will not be considered as the candidate of Outstanding Tutor Award;

(4) Six participants **(Must have a patent registration)** from each of the two participants categories (enterprise/individual and students) with excellent innovation projects will be granted the Grand Award of the General Assembly in their respective innovation categories. Awards in their respective categories include International Environmental Protection Award, International Innovation Award; International Invention Award, Best Market Potential Award, Guangdong-Hong Kong-Macao Greater Bay Area Awards and The Belt and Road Initiative Award;

(5) All awards will be presented in the Award Presentation Ceremony, if the winner cannot attend the ceremony in person and not able to send a representative, the award will be sent by express mail to the participants address as registered. Noticed that related expenses will have to be paid by the winner. The postal charges are shown at Table 5. (Countries or regions not in the table will be quoted separately).

**19. Fees and rules for online participant:**

(1) The registration fee for each project is shown in Table 6; the postage fee for each project is shown in Table 5;

(2) The fee for each project includes the assessment fee for the project, one award-winning certificate and one side of the medal, but does not include the postage.

Table5

Countries	JPN	KOR	THA	MYS	PHL	VNM	IND	IDN	KHM	Europe	USA	CAN
Postal charges in USD	30	28	27	27	27	27	29	28	27	60	60	60
Postal charges in EUR	---	---	---	---	---	---	---	---	---	60	---	---

Table 6

Discounted number of projects	Participation fees	
	USD	EUR
1 to 10 pieces	290	260
11 or more	250	230

**20. Fees and Conditions for Additional Purchase of Winning Medals or Certificates**

(1) Participants in innovation projects and creative projects who win prizes will be awarded a medal and a Certificate of Merit respectively (one certificate will be issued for those who do not win prizes) ;

(2) Additional USD \$40 per /EUR40 per certificate is required if additional certificates are purchased.

(3) Additional USD \$40 per /EUR40 per medal will be charged for each additional medal;

(4) Additional USD \$40 /EUR40 per certificate is required;

(5) Once the information provided in the application is confirmed, an administrative fee of \$40 will be charged for each certificate if any information needs to be amended in the certificate.

**21. Official hotel accommodation:**

(1) Official Hotel: Golden Crown China Hotel, across Macao International Airport and next to the Macao Convention Centre, please contact MIIEX advisor for detail.

(2) Other hotels enquiry, please contact Travel Agency: Lap Kei Travel & Development Agency Limited, Email: info@lapkei-travel.com.mo Miss Si (+853 63776088), Miss Ho (+853 63772988), Mr. Chan +86 15344828688, WeChat: feiying2803388.



## 22. “Cultural Tour” Itinerary:

Table 7

Time	Itinerary on 30/10/2023(Sunday)
8:30 am	Gather and depart at Golden Crown China Hotel (please check out and bring your luggage).
9:00 am	Golden Lotus Square, Ruins of St. Paul Church, Macao Museum, A-ma Temple
12:30 pm	Lunch at Grand Plaza Restaurant
1:30 pm	Ha Sac Beach, Parisian, Venetian, Casas- Museum of Taipa (Photo taking only)
4:30	Drive to the airport or piers (please submit flight schedule for earlier arrangement)

### Remarks:

- (1) Due to the traffic arrangement, participants who do not stay in the Golden Crown China Hotel need to gather at the lobby of Golden Crown China Hotel Lobby at the above-mentioned time, late comers will not be waited;
- (2) Sight-seeing spots may alter according to the organizer’s arrangement, participants cannot complain for such changes.

## 23. Transportation:

### (1) Public Transport

Location	Route	Location	Route
Board Gate→ Golden Crown China Hotel	AP1	Golden Crown China Hotel → Board Gate	AP1
Lotus Checkpoint→ Golden Crown China Hotel	15、21A or 26A drop off at Hellene Garden	Golden Crown China Hotel → Lotus Checkpoint	26
Macao Ferry Terminal → Golden Crown China Hotel	AP1 drop off at Macao International Airport	Golden Crown China Hotel → Macao Ferry Terminal	AP1
Taipa Ferry Terminal → Golden Crown China Hotel	26 drop off at Macao International Airport	Golden Crown China Hotel → Taipa Ferry Terminal	AP1, 26, 36, MT1, MT2

(2) Other ports can be approached by taxi.

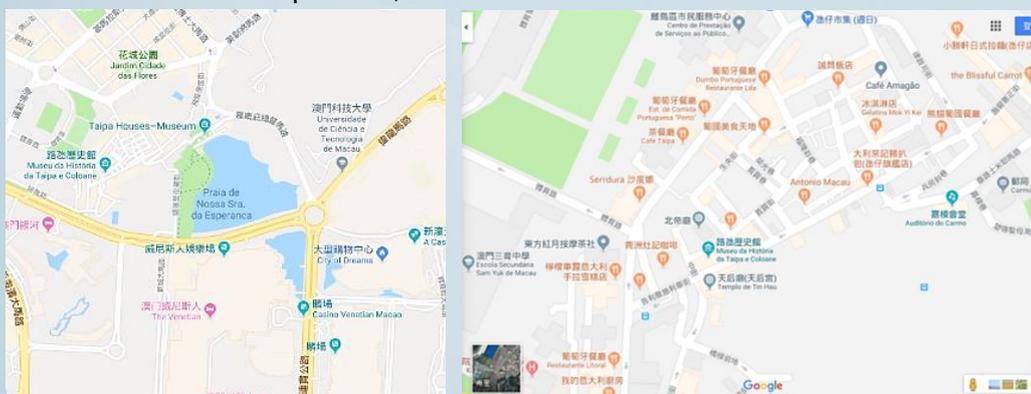
## 24. Lunch supply:

- (1) Pre-order lunch box arrangement for 27 – 29 October 2023 at USD7@ each lunch box, please order upon registration.
- (2) Any special dietary such as Vegetarian or No Pork No Lard lunch box must order in advance, please check with MIEX advisor for availability.

Note: There is a dining area in the Macao Convention Centre, which will be arranged under the guidance of staff.

## 25. Food:

15mins walk to Taipa area, there are restaurants and cafe.



## 26. Payment:

- (1) Please remit the relevant fees to the following accounts:
  - Bank of China Macao Branch Account Name: Macao Innovation and Invention Association;
  - Account Number: 00180101207974131 SWIFT CODE: BKCHMOMX;
  - Address: Rua Silva De Mendes No.1 Edf. On Fai 8 Andar Macao;
- (2) **Any transaction fees involved in the transfer must be covered by the transferee;**
- (3) **After the successful payment, and the proof (remittance receipt scanning copy) uploaded to the registration system. The registration program will be completed after confirming the payment;**
- (4) Please complete your payment before 16/9/2022, any entries without payment will be disqualified.

## 27. Contact for queries and information:

If you have any queries, please email to [info@miiex.net](mailto:info@miiex.net).

## 28. Supplementary provision:

- (1) All the participating exhibits must be original and do not involve in any form of plagiarism. Such legal consequence should be responsible by the offenders. Patented participating exhibits should provide copy of patent or relative patent number for reference. If the exhibitors are not patent holder, please provide relative power of attorney from patent holder;
- (2) Any decisions from the organizer are the final one. Objections and appeals will not be considered. the organizer has the right to alter any regulations without prior notification. Any changes will comply with the final announcement of the event organizer (MiiA);
- (3) The event organizer (MiiA) has the right to explain and alter the rules and regulations of this expo, use any pictures and videos of all the participating exhibits, participants may not object such policy.
- (4) To speed up the award presentation process, staff will be notified in advance to prepare for the awards presentation ceremony. All awardees will be invited to take photos with the guests on the stage with their certificates and medals.
- (5) As the projects on display will be Macao Convention Centre, therefore, the specific arrangement of each project will be arranged by the exhibition location, participants are not allowed to raise any objections.

## 29. Annex:

Cloud link to the 11th Macao International Innovation and Invention Expo 2023 online guideline and research report templates and poster design templates:

(<https://drive.google.com/drive/folders/10MfL4nHI32LOzPI6s8oGvIG-6VwfUrdh?usp=sharing> )

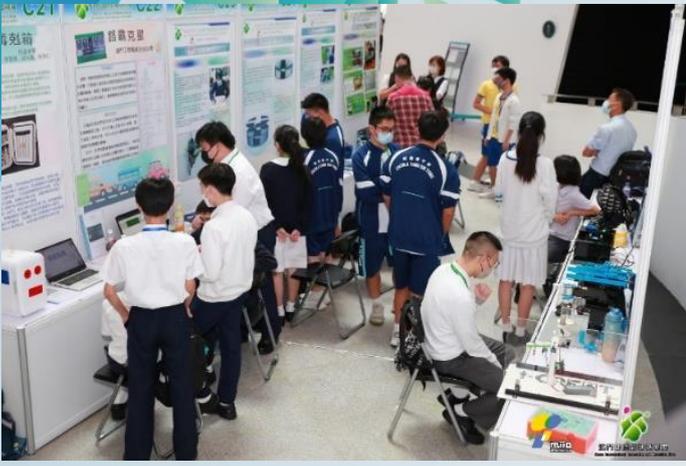


**Macao Innovation and Invention Association**

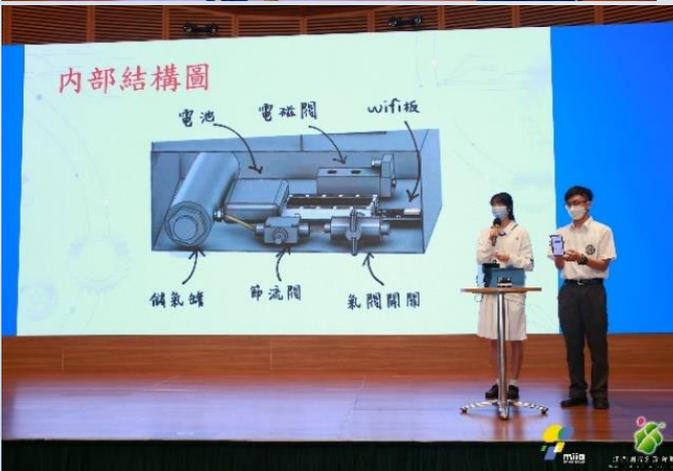
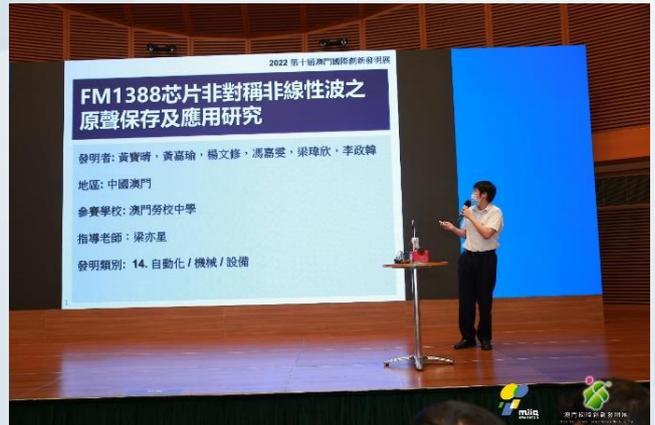
16/May/2023

**Important:** For those who are interested to join MIIEX “Onsite” section in Macau, please contact our advisor for enquiry.





Judging Committees judging on inventions





Road Show 10<sup>th</sup> MIIEEX and Forum of Greater Bay, Hong Kong and Macau on How to Achieve the Technological Innovation Integration and Invention Empowerment about IP in 2022.



Forum of Greater Bay, Hong Kong and Macau on How to Achieve the Technological Innovation Integration and Invention Empowerment about IP Host by Danny

Group Photo (Guests and Danny)



Chairman of Hong Kong Council for Technology & Creation, Danny Cheong presented a souvenir to Danny Lai



Group Photo of 10<sup>th</sup> MIIEX and Forum of Greater Bay, Hong Kong and Macau on How to Achieve the Technological Innovation Integration and Invention Empowerment about IP in 2022.



Award Ceremony of 10<sup>th</sup> MIIEX at Macau Science Centre on 15 October 2022.



Presentation of commemorative to The Honorable International Jury Panel Committee



Presentation of commemorative to Excellent Teachers Award



Awards Presentation to Winners who participated in different International Invention Contests



Gold and Silver medals presented to participants



International Invention Award and Gold medal Presentation to Guangdong University of Technology.



International Innovation Award and Gold medal Presentation to Students of Macau Lou Hau High School.

**The 10<sup>th</sup> Macao International Innovation and Invention Expo 2022**  
**The Honorable International Jury Panel Committee**  
**(Listed in Alphabetical Order of Last Name)**



**Ms. Megaria Agustina**  
 Director of International  
 Partnership and Public  
 Relation of (INNOPA)  
 (Indonesia)



**Mr. Iyadh Alallaq**  
 Vice President of the  
 Iraqi Innovation and  
 Creativity Center, the  
 Iraqi Inventors Forum  
 (Iraq)



**Ms. Hebatallah**  
 President of Egyptian  
 society for woman &  
 youth inventors  
 (Egypt)



**Ms. Dawn Hobbs**  
 ITE Expo Project Director  
 (UK)



**Dr. Wiparat De-ong**  
 Executive Director of  
 National  
 Research Council of  
 Thailand. (Thailand)



**Prof. Dr. Lee, Juhung**  
 Chairman of Korea  
 University  
 Invention Association  
 (Korea)



**MSc. Mr. Pham Gia  
 Huan**  
 Chairman of Bach Khoa  
 Maths and Science Club  
 (Vietnam)



**Mr. Andrei Victor SANDU**  
 President of Romanian  
 Inventors Forum  
 (Romania)



**Mr. TAN Wei Kok**  
 Co-Founder of Citizen  
 Innovation  
 (Singapore)



**Mr. Mehran Khosravani**  
 President of Ania  
 Association  
 (Turkey)



**Mr. Mithona Luy**  
 Director of Norton  
 University  
 (Cambodia)



**Ms. Edyta Wołczyk**  
 CEO of IBS Global  
 (Poland)

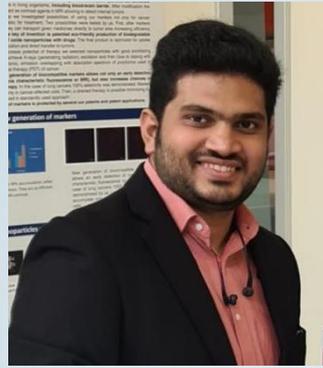
**The 10<sup>th</sup> Macao International Innovation and Invention Expo 2022**



**The Honorable International Jury Panel Committee  
(Listed in Alphabetical Order of Last Name)**



Ms. Patrycja Wawro  
Marketing & Sales  
Manager of  
Eurobusiness-Haller  
(Poland)



Mr. Raman Teja  
Venigalla  
Chief Technology  
Officer of  
IBS Global (INDIA)



**The 10<sup>th</sup> Macao International Innovation and Invention Expo 2022**  
**The Honorable International Jury Panel Committee from**  
**the China and Taiwan Straits and Hong Kong and Macao region**  
**(Listed in Alphabetical Order of Last Name)**



Mr. Alex Chau,  
Chairman of HKNETA



Mr. Danny Cheung  
Chairman of Hong  
Kong Council for  
technology & Creation



Mr. Chang Jian Qiang,  
Secretary General of  
Pan Yangtze River  
Delta youth maker  
Alliance



Ms. Choi Tong  
Chinese Medicine  
Practitioner of Centro  
Medico Bouk I



Mr. CHAN KA IN  
Maths & AI Teacher of  
Pui Ching Middle  
School Macau



Mr. Chan Hoi Man  
Assistant Master of  
Academic Studies,  
Yuet Wah College  
& Member of MiiA



Mr. CHEONG WUI  
MAN  
Maths & AI Teacher of  
Pui Ching Middle  
School Macau



Mr. Derek  
Vice President of 4px  
express co., ltd



Mr. Guanghui Gui  
Principal of Zunyi  
Nanfang Baijiu  
Zhongdeng Zhuanye  
School



Dr. Han ZiTian  
PhD Tutor of MUST,  
member of Zhongshan  
CPPCC



Ms. Heby  
General Manager of  
Chongqing Teng  
Hung-chi Creative  
Invention Educational  
Co. Ltd.,



Mr. Huo Zhuo  
Training of the Head of  
the R&D Centre of  
Chongqing Teng Hung-  
chi Creative Invention  
Educational Co., Ltd.



The Honorable International Jury Panel Committee from  
the China and Taiwan Straits and Hong Kong and Macao region  
(Listed in Alphabetical Order of Last Name)



Mr. Ji Jie,  
General Manager of  
Hengqin International  
Intellectual Property  
Exchange Center Co.,  
Ltd



Mr. Jason, Shi Linjie  
Office Supervisor  
Innovation Tutor of The  
Lion Den



Mr. Chris Lu  
Executive President of  
Foshan Shunde  
Innovation and  
Invention Association



Dr. LAU Sai Chong  
Chairman of Hong Kong  
Student Invention Patent  
Program



Mr. Li Zhan Kai  
President of Zhongshan  
Invention Association



Ms. Yoyo, Liang Jia  
Xiao  
Office Supervisor  
Innovation Tutor of The  
Lion Den



Mr. Liem Tao  
Chairman of The  
Association for  
Promotion of Science  
and Technology of  
Macau



Ms. Qiao Li  
Vice Principal of Zunyi  
Nanfang Baijiu  
Zhongdeng Zhuanye  
School



Ms. Liu Yan  
Teacher of Tianjin Hexi  
district Pingshan ave  
primary school



Mr. Luo Zhaobo  
President of Foshan  
Shunde Innovation and  
Invention Association



Mr. Luo Jun Zhang  
Chairman, zhong  
shan shi lu ma yi liao  
qi xie you xian gong si



Associate Professor Li  
Yongjie University of  
Macau



**The 10<sup>th</sup> Macao International Innovation and Invention Expo 2022**  
**The Honorable International Jury Panel Committee from**  
**the China and Taiwan Straits and Hong Kong and Macao region**  
**(Listed in Alphabetical Order of Last Name)**



**Mr. Ma Yuen**  
Executive Vice President  
of Zhuhai Promotion  
Association of Science  
and Technology  
Innovation



**Mr. Nie Qinglong**  
Board Director of  
Shenzhen Ideas  
Education Technology  
Co. Ltd.



**Mr. Song Lu**  
Creative Teacher of  
Chongqing Teng Hung-  
chi Creative Invention  
Educational  
Co. Ltd.



**Mr. SHIH YANG LUNG**  
President of TIPPA



**Mr. Shi Chunming**  
Assistant of China  
Association of Inventions



**Mr. TIEN/PAO-WU**  
General President of The  
Union Association of  
Taiwan Innovations and  
Inventions



**Prof. TSE Ping Shu**  
Joseph  
CEO of Garuda  
Robotics Limited



**Mr. Wang He Wen,**  
Secretary General of  
Dongguan Invention  
Association



**Mr. Wang Wan jiang**  
Senior Teacher of TianJin  
experimental primary  
school



**Mr. Wang Wenjie**  
Vice Principal of Zunyi  
Nanfang Baijiu  
Zhongdeng Zhuanye  
School



**Ms. Carol Wen**  
President of Hong Kong  
Federation of Invention  
and Innovation



**Mr. Wu Yan Wei**  
Curator of Huidong  
County Invention Museum



**The 10<sup>th</sup> Macao International Innovation and Invention Expo 2022**  
**The Honorable International Jury Panel Committee from**  
**the China and Taiwan Straits and Hong Kong and Macao region**  
**(Listed in Alphabetical Order of Last Name)**



Mr. Zhang Xiao Lin  
Executive President of  
Shenzhen Enterprise  
Creation & Development  
Committee



Mr. XuPeng  
Executive of Huizhou  
Technician institute



Ms. Xiang Zihan  
President of  
DONGGUAN  
INVENTION  
ASSOCIATION



Ms. Yang Linbin  
Secretary General of  
Zhuhai Xiangzhou District  
Education Bureau



Mr. Yu Chunjie  
Vice President of Dalian  
Invention Association



Associate Professor  
Zhao Qi University of  
Macau



Ms. Zhou Ye  
Executive Vice  
President of Technology  
Innovation Association  
of Shenzhen Enterprise



Mr. Zhu Yi Zhun  
Dr. med. Chair Prof of  
Macau University of  
Science and Technology



Mr. Zheng Xiao Qun  
Executive President of  
Zhuhai Promotion  
Association of Science and  
Technology Innovation



Mr. Pingwen Zhou  
Principal of Zunyi  
Nanfang Baijiu  
Zhongdeng Zhuanye  
School

The Honorable Jury Panel of  
Macao Innovation and Invention Association (MiiA)



Mr. Lei, Alberto  
Honorary President of  
MiiA



Mr. Danny, Lai Pak Keong  
APPEAL JURY  
President of MiiA



Mr. Chan KeiHong  
Executive Vice President of  
MiiA



Mr. Chan KengLim  
Vice Principal of  
Pui Ching Middle School  
Macau &  
Executive Vice President of  
MiiA



Mr. Nage Weng Hou  
Vice President of MiiA



Prof. Iao Soksoi  
Vice President of MiiA



Mr. Iao ChioKei  
Executive Vice President of  
MiiA



Ms. Wong Oi Man  
General Manager of Macao  
Victory IP Agent Co. Ltd &  
Executive Vice President of  
MiiA



INV. Wing, Chan  
Executive Vice President  
of MiiA



Mr. Wong Wai Hong  
Executive Vice President  
of MiiA



Mr. He ZhongLiang  
Principal of Zhuhai Steam  
Technology Training Centre  
&  
Executive Vice President of  
MiiA



Mr. Sio ChanTim  
Vice President of MiiA

The Honorable Jury Panel of  
Macao Innovation and Invention Association (MiiA)



Mr. Lam Si Loi  
Consultant / Senior  
Technician, I.A.M & Vice  
President of MiiA



Mr. Chan Kin Keong  
Vice President of MiiA



Prof. Xu Qingsong  
University of Macau  
& Vice President of MiiA



Mr. Alex Ngai  
Chairman of MiiA



Inv. Chu Wai Kuok  
Teacher of Macau Baptist  
College  
& Executive Chairman of  
MiiA



INV. Un Kuok Chin  
Innovation and  
Technology Executive of  
Primary School of  
Pui Ching Middle School  
Macau  
& Executive Vice  
Chairman of MiiA



Inv. Yeung Yat  
Innovation Instructor of  
Premier School Affiliated to  
Hou Kong Middle School &  
Executive Vice Chairman of  
MiiA



Mr. Alec Lai  
Teacher of Hou Kong  
Middle School & vice  
chairman of MiiA



Mr. Ho Kuok Wa  
Executive Officer of  
Escola Xin Hua &  
vice chairman of MiiA



Prof. WONG Seng Fat  
Interim College Master of  
Cheng Yu Tung College  
, University of Macau  
& Vice Chairman of MiiA



Prof. Li JianQing  
Assistant Director of Macau  
University of Science and  
Technology &  
Vice Chairman of MiiA



Asst. Prof. Xing Ya-Long  
City University of Macau  
& Vice Chairman of MiiA

The Honorable Jury Panel of  
Macao Innovation and Invention Association (MiiA)



Associate Professor Tang  
Su Kit  
Macao Polytechnic  
University  
& Vice Chairman of MiiA



Prof Perry Yun Kit Ip  
City University of Macau  
& Vice Chairman of MiiA



Mr. Wong Lok Seng  
Specialist Teacher of  
Macao Kung Luen  
Vocational & Technical  
Middle School & Vice  
Chairman of MiiA



Mr. Wong Cheong Cheng  
Physics Teacher of Escola  
Tong Sin Tong & Vice  
Chairman of MiiA



Mr. Liang Yixing  
Teacher of  
Lou Hau High School &  
Supervisory of MiiA



Mr. Vong Heong Lon  
Program Lead of  
Science, Escola Choi  
Nong Chi Tai  
& Vice Chairman of MiiA



Mr. Chan Chung Yin  
Teacher of Escolas Lin  
Fong Pou Chai & Vice  
Chairman of MiiA



Mr. Lei Chon  
Teacher of Macao Pui Va  
Middle School & Vice  
Chairman of MiiA



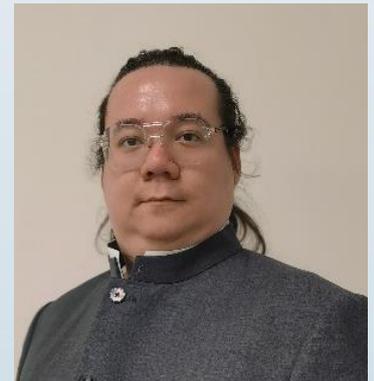
Mr. Lai Kim Fei  
Teacher of Escola dos  
Moradores de Macau &  
Vice Chairman Chairman  
of MiiA



Mr. Tam Ka Seng  
Teacher of Hou Kong  
Middle School (Primary  
Section)  
& Vice Chairman of MiiA



Mr. Leung Man Chung  
IT & Technology Instructor,  
Premier School Affiliated to  
Hou Kong Middle School  
& Vice Chairman of MiiA



Inv. John Julian Pun  
Science Innovation  
Instructor of Premier School  
Affiliated to Hou Kong  
Middle School &  
Deputy Secretary General  
of MiiA



The Honorable Jury Panel of  
Macao Innovation and Invention Association (MiiA)



Mr. Chu ZhenSheng  
Administrative Executive  
of Hou Kang Middle  
School &  
Council Member of MiiA



Mr. Choi Pak Lok  
Teacher of Qing Zhou  
Middle School & Council  
Member of MiiA



Mr. Lam Kit Kan  
General Studies Teacher  
of  
Escola Xin Hua  
& Council Member of MiiA



Mr. Chao Man Fai  
Teacher of Hou Kong  
primary school &  
Council Member of  
MiiA



Mr. Kuok Ka Keong  
Council Member of MiiA



Mr. Ho Kim Va  
Vice President of  
Chuang Xin Technology  
Association of Macau &  
Council Member of MiiA



Mr. Kwok Lam Hing  
Teacher & Council  
Member of MiiA



Mr. Lam Chon Meng  
Teacher of Escola Xin  
Hua  
& Council Member of  
MiiA



Mr. Shek Wai Keong  
Teacher of Kao Yip Middle  
School  
& Council Member of  
MiiA



Mr. Ieong Chon Kit  
General Manager of  
Impressao Digital  
Educacao e Investimento  
Consultadoria Limitada &  
Council Member of MiiA



Ms. Lei In San  
IT of SJM Resorts &  
Council Member of MiiA



Ms. Brooke Ju  
Council Member of  
MiiA



The Honorable Jury Panel of  
Macao Innovation and Invention Association (MiiA)



Ms. Lam I Lin  
Teacher of Macau  
Baptist College  
& Council Member of  
MiiA



Mr. Alan Lao  
IT Technician of ATC &  
Council Member of MiiA



Mr. Canney Kim  
Lead of IT, Pooi To Middle  
School Macau & Vice  
Chairman of MiiA

Review of the 9th Macao International Innovation and Invention Expo 2021



Officials  
represent  
the ribbon  
Invention...

of Macao,  
es attended  
vation and









Zhu Hong (second from left), Vice Minister of economic Department of liaison Office of the Central Committee of the Communist Party of China, presents souvenirs to representatives of co-organizers.



Lao Ngai Leong (second from the left), honorary president of the association and National People's Congress of Macao, presents souvenirs to excellent organizations.



Mr Lai Chan Keong (sixth from left), member of the executive Committee of Macao Foundation, and Mr Sun Ka Hung (seventh from left), Director of Macao Productivity and Technology Transfer Centre, present souvenirs to the international judges.



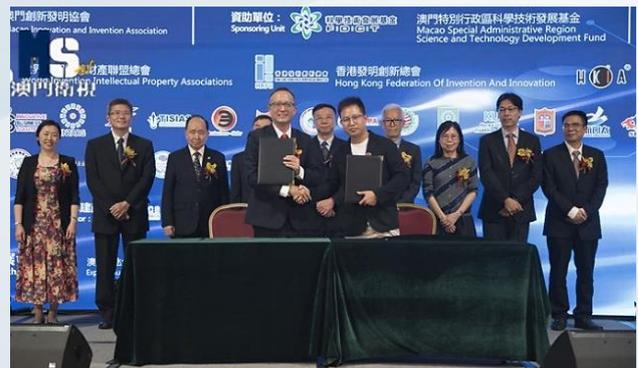
The guests presented prizes to the winners



The ribbon-cutting ceremony was attended by leaders of the Liaison Office of the Central Committee of the Communist Party of Macao, officials and representatives of relevant departments of the Macao SAR government, social celebrities, guests from both sides of the Taiwan Straits and foreign countries



The cooperation Agreement Signing Ceremony between the Huafa 7 Intellectual Property Right National Intellectual Property Operation Platform and MIIA.



The cooperation Agreement Signing Ceremony between the Enterons (Guangdong) Technologies Co., Ltd. and MIIA .





### History statistics of Macao International Innovation and Invention Expo

No.	Number of sessions	Year	Country/Region	Quantity of inventions	Attendances	Remarks
1.	The 10 <sup>th</sup>	2022	95	486	308	Online and on-site.
2.	The 9 <sup>th</sup>	2021	54	479	503	Online and on-site.
3.	The 8 <sup>th</sup>	2020	45	391	230	Online
4.	The 7 <sup>th</sup>	2019	56	342	362	On-site
5.	The 6 <sup>h</sup>	2018	22	162	313	On-site
6.	--	2017	--	--	--	The Expo was suspended for a session because there was no venue
7.	The 5 <sup>h</sup>	2016	16	156	354	On-site
8.	The 4 <sup>h</sup>	2015	13	162	381	On-site
9.	The 3 <sup>rd</sup>	2014	15	182	183	On-site
10.	The 2 <sup>nd</sup>	2013	14	229	255	On-site
11.	The 1 <sup>st</sup>	2012	22	187	240	On-site

Total

257

2,290

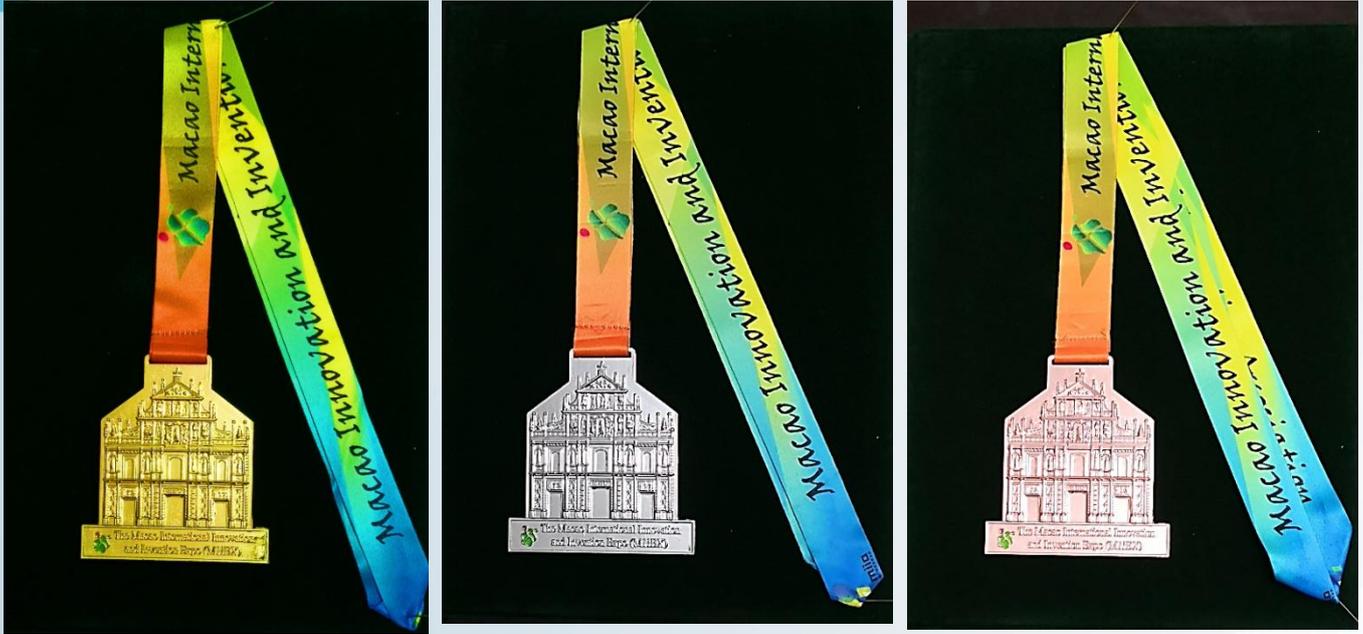
2,821

## Statistics of the 10th Macau International Innovation and Invention Exhibition 2023 (Online and On-site)

No.	Countries/Regions	Inventions	Enterprises	Invention units	Individuals	Schools	Universities	Attendances
1.	BeiJing	19	3	4	4	5	1	
2.	TianJin	13		1	1	12		
3.	ShangHai	55	12	1	11	35	4	
4.	ChongQing	15	1			13	1	3
5.	DaLian(LiaoNing)	30		1	1	31		
6.	DanDong(LiaoNing)	1			1			
7.	YiChun(HeiLongJiang)	1	1					
8.	Harbin (HeiLongJiang)	2			1			
9.	ZunYi (GuiZhou)	10				1		
10.	LiangShan (SiChuan)	1	1					
11.	ChengDu(SiChuan)	4	2	2		1		
12.	ChangChun (JiLin)	4	2	1	1			
13.	ChangSha(HuNan)	10			3	2	1	
14.	Chenzhou (HuNan)	2			2			
15.	XiangTan(HuNan)	2				2		
16.	ShaoYang(HuNan)	1			1			
17.	XiangXi(HuNan)	1	1					
18.	WuHan (HuBei)	6	1			5		
19.	Urumqi (XinJInag)	1	1					
20.	YiLi(XinJiang)	3				1		
21.	ShangLuo(ShaanXi)	1	1				1	
22.	WeiNan(ShaanXi)	1			1			
23.	AnKang(ShaanXi)	3	1					
24.	TaiYuan(ShanXi)	2	1		1			
25.	JinZhong(ShanXi)	1				1		
26.	XiNing(QingHai)	1		1				
27.	AnYang(HeNan)	1	1					
28.	LingBao(HeNan)	1			1			
29.	PingDingShan(HeNan)	2	1		1			
30.	XinYang(HeNan)	18				1		
31.	HaiKou(HaiNan)	2				2		
32.	WanNing(HaiNan)	1			1			
33.	KunMing(YunNan)	4					1	
34.	BaoTou( Nei Mongol)	2				1		
35.	FuZhou (FuJian)	1			1			
36.	XiMen(FuJian)	7	1		2	4		
37.	BaoDing(HeBei)	5			5			
38.	ZhangJiaKou(HeBei)	3	1					
39.	ShiJiaZhuang(HeBei)	1			1			
40.	HeFei(AnHui)	1					1	
41.	MaAnShan(AnHui)	2	1					
42.	HangZhou(ZheJiang)	2	2					
43.	CiXi(ZheJiang)	2			2			
44.	JiaXing (ZheJiang)	3				3		
45.	JinHua(ZheJiang)	2	1			1		

46.	ShaoXing(ZheJiang)	1			1			
47.	LiShui(ZheJiang)	1			1			
48.	WenZhou(ZheJiang)	2			2			
49.	TaiZhou(ZheJiang)	1			1			
50.	NanJing(JiangSu)	1				1		
51.	WuXi (JiangSu)	3	1					
52.	SuZhou(JiangSu)	10			1	4	1	
53.	TaiZhou(JiangSu)	1			1			
54.	NanNing(GuangXi)	4				2		
55.	GuiLin(GuangXi)	2	1					
56.	QingDao (ShanDong)	2			1	1		
57.	JiNan(ShanDong)	5	1	1		1		
58.	TaiAn(ShanDong)	1	1					
59.	ChaoZhou(GuangDong)	1				1		
60.	ShaoGuan(GuangDong)	1			1			
61.	GuangZhou(GuangDong)	24	3	1	4	10	7	15
62.	ZhongShan(GuangDong)	1		1		1		10
63.	FoShan (GuangDong)	8	1	1		5	1	8
64.	DongGuan (GuangDong)	10	2	2			2	
65.	ZhaoQing (GuangDong)	1	1					3
66.	ShenZhen(GuangDong)	21	5	3	6	13	1	8
67.	ZhuHai(GuangDong)	2		1		2		9
68.	HongKong(China)	8	3	2		2		2
69.	Macau(China)	61		1		15	3	*250
70.	Taipei (Taiwan)	2	1	1				
71.	Taichung (Taiwan)	12					10	
72.	Lugang Town (Taiwan)	6					5	
73.	Russia	4		1			4	
74.	USA	1		1				
75.	Sweden	1		1				
76.	Indonesia	2		1			2	
77.	India	1		1		1		
78.	Vietnam	1		1				
79.	Thailand	11		1			11	
80.	Australia	1	1					
81.	Malaysia	4		1		2		
82.	Slovakia	1		1				
83.	Egypt	1		1				
84.	Argentina	1		1				
85.	Kuwait	1		1				
86.	Bulgaria	1		1				
87.	Iran	4	1					
88.	Poland	2		1			2	
89.	United Arab Emirates	1		1				
90.	Rumania	1		1			1	
91.	Sri Lanka	1					1	
92.	Bosnia and Herzegovina	1		1				
93.	Jordan	1						
94.	Turkey	1		1				
95.	Philippines	1		1		1		
96.	Total	486	58	44	61	183	61	308

## The style of Gold, Silver and Bronze medals



The design of this medal (W85mm : H 95mm) is based on the Ruins of St. Paul's, the historical and cultural heritage of Macao, with unique characteristics and great collection value.



The sample of the award certificate of the 11<sup>st</sup> "Macao International Innovation and Invention Expo" in 2023

# Certificate of Award

This is to certify that

No. MiiEX20230001

Lou Hau High School, Macau, China  
Ka-Wai HUANG, Si-Teng WU, Yue-QIU  
has been awarded

SAMPLE

## GOLD MEDAL

for the invention

A New Method for Detecting the Inter-turn Short-circuits Fault in Rotor Winding of Electric Generator

participated in Project of Innovation and Invention



The 11<sup>th</sup> Macao International Innovation and Invention Expo (MiiEX) 2023

exhibited at Macao Science Center  
27<sup>th</sup> ~29<sup>th</sup> October, 2023



Guidance unit:  
China Association of Inventors



Organizer:  
Macao Innovation and Invention Association



Co-organizer:  
World Invention Intellectual Property Associations



Co-organizer:  
Hong Kong Federation of Invention and Innovation



Co-organizer:  
Hong Kong Invention Association

U. Hua Rong, Secretary of The Party  
Committee Executive Vice President &  
Secretary General of China  
Association of Inventors

LAI Pak Keong, President of Macao  
Innovation and Invention Association

Manli Hsieh, President of World  
Invention Intellectual Property  
Associations

HU Jinlan, President of Hong Kong  
Federation of Invention and Innovation

YEUNG Kau Sam, President of  
Hong Kong Invention Association

Project of innovative invention

# Certificate of Award

This is to certify that

No. MiiEX20230001

Lou Hau High School, Macau, China  
Ka-Wai HUANG, Si-Teng WU, Yue-QIU  
has been awarded

SAMPLE

## GOLD MEDAL

for the invention

A New Method for Detecting the Inter-turn Short-circuits Fault in Rotor Winding of Electric Generator

participate in Project of Creative Work



The 11<sup>th</sup> Macao International Innovation and Invention Expo (MiiEX) 2023

exhibited at Macao Science Center  
27<sup>th</sup> ~29<sup>th</sup> October, 2023



Guidance unit:  
China Association of Inventors



Organizer:  
Macao Innovation and Invention Association



Co-organizer:  
World Invention Intellectual Property Associations



Co-organizer:  
Hong Kong Federation of Invention and Innovation



Co-organizer:  
Hong Kong Invention Association

U. Hua Rong, Secretary of The Party  
Committee Executive Vice President &  
Secretary General of China  
Association of Inventors

LAI Pak Keong, President of Macao  
Innovation and Invention Association

Manli Hsieh, President of World  
Invention Intellectual Property  
Associations

HU Jinlan, President of Hong Kong  
Federation of Invention and Innovation

YEUNG Kau Sam, President of  
Hong Kong Invention Association

Project of creative work

# Certificate of Award

This is to certify that

No. MiiEX20230001

Lou Hau High School, Macau, China  
Ka-Wai HUANG, Si-Teng WU, Yue-QIU  
has been awarded

**SAMPLE**

## GOLD MEDAL

for the invention

A New Method for Detecting the Inter-turn Short-circuits Fault in Rotor Winding of Electric Generator



participate in Project of Three-dimensional Design

The 11<sup>th</sup> Macao International Innovation and Invention Expo (MiiEX) 2023  
exhibited at Macao Science Center  
27<sup>th</sup>~29<sup>th</sup> October, 2023



Guidance unit:  
China Association of Inventors

余峰荣

U. Hua Rong, Secretary of The Party  
Committee Executive Vice President &  
Secretary General of China  
Association of Inventors



Organizer:  
Macao Innovation and Invention Association

LAI Pak Keong

LAI Pak Keong, President of Macao  
Innovation and Invention Association



Co-organizer:  
World Invention Intellectual Property Associations

Manli Hsieh

Manli Hsieh, President of World  
Invention Intellectual Property  
Associations



Co-organizer:  
Hong Kong Federation of Invention and Innovation

HU Jilian

HU Jilian, President of Hong Kong  
Federation of Invention and Innovation



Co-organizer:  
Hong Kong Invention Association

YELUNG Kau Sam

YELUNG Kau Sam, President of  
Hong Kong Invention Association

Project of three-dimensional Design

# Certificate of Award

This is to certify that

No. MiiEX20230001

Lou Hau High School, Macau, China  
Ka-Wai HUANG, Si-Teng WU, Yue-QIU  
has been awarded

**SAMPLE**

## BEST INTERNATIONAL GREEN ENVIRONMENT

(Category of Students)

for the invention

A New Method for Detecting the Inter-turn Short-circuits Fault in Rotor Winding of Electric Generator



participated in Project of Innovation and Invention

The 11<sup>th</sup> Macao International Innovation and Invention Expo (MiiEX) 2023  
exhibited at Macao Science Center  
27<sup>th</sup>~29<sup>th</sup> October, 2023



Guidance unit:  
China Association of Inventors

余峰荣

U. Hua Rong, Secretary of The Party  
Committee Executive Vice President &  
Secretary General of China  
Association of Inventors



Organizer:  
Macao Innovation and Invention Association

LAI Pak Keong

LAI Pak Keong, President of Macao  
Innovation and Invention Association



Co-organizer:  
World Invention Intellectual Property Associations

Manli Hsieh

Manli Hsieh, President of World  
Invention Intellectual Property  
Associations



Co-organizer:  
Hong Kong Federation of Invention and Innovation

HU Jilian

HU Jilian, President of Hong Kong  
Federation of Invention and Innovation



Co-organizer:  
Hong Kong Invention Association

YELUNG Kau Sam

YELUNG Kau Sam, President of  
Hong Kong Invention Association

Grand Award of The General Assembly

# Certificate of Award

This is to certify that

NO. OT A20230001

Tianjin Experimental Primary School

WANG Wanjiang

has been awarded

Outstanding Tutor Award

for the invention

A device for kitchen Knife



The 11<sup>th</sup> Macao International Innovation and Invention Expo (MiiEX) 2023

exhibited at Macao Science Center

27<sup>th</sup> ~29<sup>th</sup> October, 2023



Guidance unit:  
China Association of Inventions

余华荣

U. Hua Rong, Secretary of The Party  
Committee, Executive Vice President &  
Secretary General of China  
Association of Inventions



Organizer:  
Macao Innovation and Invention Association

廖佩莹

LAI, Pak Keong, President of Macao  
Innovation and Invention Association



Co-organizer:  
World Invention Intellectual Property Associations

胡志雄

Mani Hoeh, President of World  
Invention Intellectual Property  
Associations



Co-organizer:  
Hong Kong Federation of Invention and Innovation

胡志雄

HU Jianlan, President of Hong Kong  
Federation of Invention and Innovation



Co-organizer:  
Hong Kong Invention Association

叶永强

YELUNG, Kau Sam, President of  
Hong Kong Invention Association

## Outstanding Tutor Award



**Grand Award of The General Assembly**  
**Size 255 mm × 22 mm**  
**(The package weight is 1.5kg )**