

創新東元
科文共禧

Innovative TECO
Techno-Cultural Synergy

2019

26rd Anniversary

TECO Technology Foundation

Mission

“Cultivate Technological Talent, Advocate Global Vision and Advance Human Society” is the ultimate mission of TECO Technology Foundation.



History

Since its establishment in 1993, the Foundation has evolved over the past 26 years divided into several stages. The focus of the first stage (1993~2000) was to promote the consciousness of science and technology nationwide through the TECO TECHNOLOGY AWARD. The duration of the second stage was from 2001 to 2010. Advocating the importance of synergy between technology and humanism was paid major attention by the Foundation. Therefore, the Humanities Award was added to the original TECO TECHNOLOGY AWARD which was renamed as TECO AWARD. During this stage, “creativity” was another major theme, particularly in the area of learning and teaching. Several “creative education” workshops were offered to school teachers year round. Particular attention was paid to the schools at mountain area. The Exclamation Mark Project was initiated to serve this purpose. Also, through this project, the culture of indigenous peoples in Taiwan can be sustained and passed to the young generation. 2011 was the beginning of another new stage. Since then, the Foundation has extended its influence nationally and globally. By hosting the TECO Green Tech Contest, a lot of participants from top universities worldwide were invited to Taiwan for competition and culture exchange as well. Year after year, the mission remains unchanged. The Foundation will continue to make contribution and lead the society to reach “Techno-Cultural Synergy”.



Major Activities

TECO AWARD - The Laurel of Technology and Humanities



Four technology awards and one humanities award are included in “TECO AWARD”. The technology awards are divided into four major categories, namely Electrical (including Information and Communication), Mechanical (including Machinery, Energy and Environment), Chemical (including Materials) and Biological (including Biomedical Engineering and Agriculture). For the humanities award, one of various fields (such as arts, culture, social services and so on) will be selected according to the degree of influence and impact on the society.

Information of the 26th TECO Award is provided as following:

■ Content:

CATEGORY	FIELD
Technology Award (free application)	1. Electrical Engineering / Information / Communication Technology
	2. Mechanical Engineering / Energy / Environmental Technology
	3. Chemical Engineering / Material Technology
	4. Biology / Biomedical Engineering / Agricultural Technology
Humanities Award (recommended by committee)	Initiatives attach importance to science education. Committed to shortening the gap between urban and rural educational resources with practical actions and dedication. Through long-term cultivation of science education in rural areas, teachers in rural areas are encouraged to attach importance to educational methods, boost their teaching mission and enthusiasm to the popularization of Taiwan's rural science education.

- **Cash Award:** NT\$800,000 for each field
- **Registration:** Due on 15/Jul/2019
- **Application:** Please visit www.tecofound.org.tw/teco-award/2019
- **Award Ceremony:** 09/Nov/2019



TECO GREEN TECH CONTEST

The Platform for Knowledge Exchange in Green Technologies

At 2008, in response to the plight of global energy shortage and trends in industrial development, the contest was established to echo this mega trend. Since then, this contest has become the platform for knowledge exchange in technology development and innovation among young students and researchers worldwide. In 2019, we invite several teams from top universities in Asia, Europe and US to compete in Taiwan. For detail information, visit the following websites:



Official Website: www.tecofound.org.tw/greentech-contest/2019

Facebook: www.facebook.com/GreenTechContest

Weibo: www.weibo.com/u/2707817950

- 1. Organizer:** TECO Technology Foundation
- 2. Co-Organizer:** Industrial Technology Research Institute
- 3. Sponsors:** LEKO TOMO, ROHM Semiconductor (TAIWAN) Co., Ltd.,
TECO Image Systems Co., Ltd., Creative Sensor Inc.
- 4. Main Theme:** Green technologies
- 5. Time Frame:**

(1) Main Contest

- A. Registration:** By 30st Jul 2019
- B. Qualification Evaluation:** From 1st Jul to 23rd Jul 2019
- C. Nomination for the final competition** announced on 24th July 2019 on official website of Green Tech Contest.
- D. Final Competition:** will be held on Wednesday, 21st August, 2019

(2) International Contest

- A. Invitation Period:** By 1st January, 2019
- B. Deadline of submission**
 - (a) Team profile** is due on June 3rd June, 2019
 - (b) The project portfolio** is due on 30th June, 2019
- C. Announcement of Participating Contestants:** 5th July, 2019
- D. Final Competition:** will be held on Wednesday, 21st August, 2019

6. Eligible Participants:

- (1) Main Contest:** Teachers/students (including undergraduates and graduates) from universities/colleges in Taiwan
- (2) International Contest:** Teams group together by teachers/students (undergraduates and graduates) from the top Universities around the



Green Tech Contest



world. Below is a list of countries at 2019 Green Tech contest:

China, United States, Japan, Hong Kong, Indonesia, Vietnam, Singapore, Russia, Denmark, India

7. Method of Assessment:

(1) The Accreditation Committee is composed of specialists, including domestic and international.

(2) Contest Evaluation Criteria:

- A. Creativity: 30%
- B. Technical Content & Feasibility: 30%
- C. Completeness of Work: 25%
- D. Business model: 15%

8. Final Competition:

(1) Date: 21st August , 2019

(2) Location: CPC Building

(3) Oral Presentation: 9-minute presentation, present order will be drawn on the day.

Q & A: 5-minute

9. Award & Prizes:

- (1) The Gold Medalist USD 10,000
- (2) The Silver Medalist USD 6,000
- (3) The Bronze Medalist USD 5,000
- (4) The total amount about cash award is **USD 73,333**



Expeditionary Learning Program

Pumping Innovative Energy into Society

This year, the Foundation plans to introduce the “Expeditionary Learning” program to school teachers in Taiwan. We aim to inspire teachers and students to reach new level of focus and effort that will transform schools into places where everyone becomes the leader of his (her) own learning process. First, the Foundation will organize a 6-day “Expeditionary Learning” workshop for approximate 80 teachers. The participants will learn how to use “Expeditionary Learning” skills in their own classes and eventually make influence in whole school. This program is a huge and far-reaching education reform which will lift up the quality of education in Taiwan.



Furthermore, to cultivate innovative thinking and scientific intelligence in youths, the Foundation has organized science innovation hands-on courses—『Tribe Creative Science Program』 for youths in indigenous and remote areas. Every year, more than 3000 teenagers and 7000 younger children are trained in these courses. At the end of the year, in order to let the children in remote counties also can watch and appreciate high quality performance, the Foundation has organized 『Life and Arts Creativity Experience Activities』 since 2005. Until this year, there are already more than 25,000 children attending this activity. Actually, many children look forward to attending this activity and learn a lot from the performance.

Theoretical Basis of Creative Education:

The human brain is like a busy network and its effectiveness determines our intelligence. Therefore, to have creative power, the neural network must be closely connected and easily accessible. The denser the neural circuits, the more creative an individual is. Neural studies have shown that experience can affect neural connections. The density of neural connections is strongly related to a person's creative power.



Exclamation Mark Project

The pursuit of Amazing Achievements in Tribal Culture and Arts

In Taiwan, the original inhabitants play an important role in history and culture, and also known as the treasure of the world. Because indigenous culture has no written words with only linguistic, they only pass the torch by verbally.

Since 2003, TECO Technology Foundation have dedicated to execute the Exclamation Mark project-The Indigenous Sustainable Education program. It is geared toward on helping Taiwan indigenous groups to reserve and develop treasure culture assets.

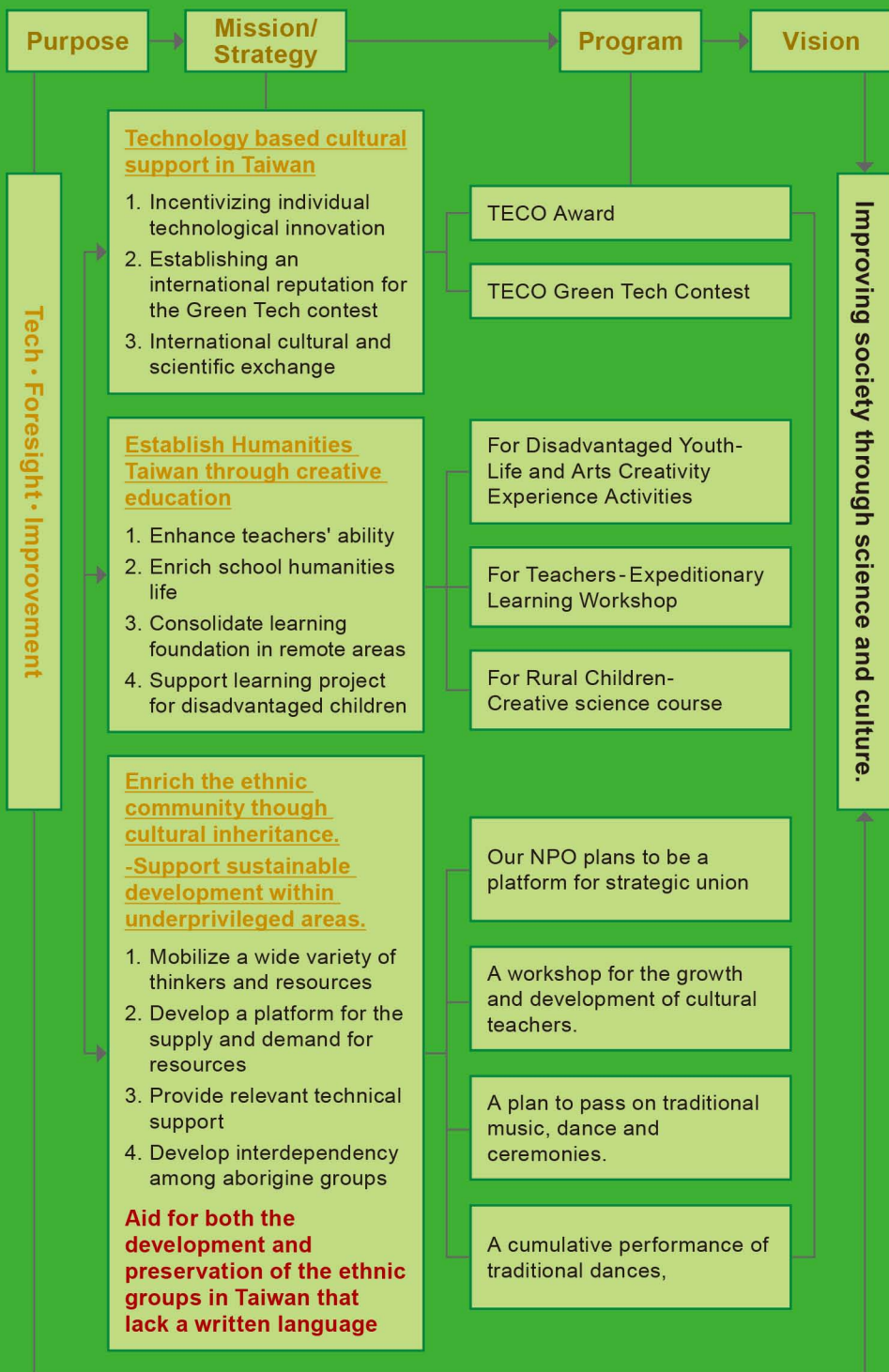
This project is geared toward supporting indigenous groups by integrating resources from different parties including NGO/NPO, corporations, community associations, individuals, urban schools and government agencies. More than 40 indigenous groups are receiving such support. Over 15,000 tribal children have learned their traditional culture and arts through this project. Therefore, this program is named “Exclamation Mark” for its pursuit of amazing achievements in “traditional culture and arts, educational outcomes and sustainable tribal vitality.”

Effectiveness

- Adoption Programs for Indigenous Traditional Folk Song and Dance Groups.
- Training and Development Projects for Indigenous Traditional Folk Song and Dance Teachers.
- Outcome Exhibition and Performance.
 - Nationwide exhibitions and performances-The Performing Arts of Indigenous Children
 - Counties and Cities exhibitions and performances-End-of-Year exhibition and performance.
 - Tribes music concert.
 - Overseas exhibitions and performances.
- The Digital Archives Program of Indigenous Folk Song and Dance.

Supporting Taiwan's Indigenous People having spoken but unwritten language develop for a more sustainable future.





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