



# 2020

# TECO International Contest 東元國際創意競賽

- 一、主辦單位：財團法人東元科技文教基金會
- 二、協辦單位：財團法人工業技術研究院
- 三、贊助單位：東元集團東友科技(股)公司、菱光科技(股)公司
- 四、競賽主題：Green Tech

- (一) 運用 AIoT 相關技術於工廠及建築物之節能應用
- (二) 機電產品之能源使用效率提昇技術創新
- (三) 再生能源儲能及發電技術
- (四) 環保電動車及其動力系統技術創新
- (五) 廢棄物處理、再利用及高值化技術之開發及應用
- (六) 其他與綠能科技相關之技術與應用

## 五、競賽資訊

內容	主 競 賽	國 際 賽
參加對象	中華民國各大專院校學生 (含碩、博士班)及指導老師。	世界各國(含台灣)大專院校學生(含碩、博士班)及指導老師。
組隊方式	含指導老師每隊至少四人,可跨系校,惟每人限報名乙隊。	含指導老師每隊至少三人,可跨系校,惟每人限報名乙隊。
使用語言	中文	英文
報名截止日期	06 / 30	06 / 22
入圍決賽隊數	十隊	十隊
入圍決賽團隊公告	07 / 24	07 / 10
決賽資料收件截止日	08 / 03	07 / 29
決賽日期	08 / 26	
獎金總額	新台幣 136 萬元整	美金 44,800 元整
備 註	<ol style="list-style-type: none"> <li>1. 為維持競賽公平性,除了團隊成員資料欄位外,不得在其他資料中披露學校名稱、師生姓名,違者將取消參賽資格。</li> <li>2. 依中華民國所得稅法規定,競賽獎金應扣繳 10%之稅金。</li> </ol>	<ol style="list-style-type: none"> <li>1. 依台灣所得稅法規定,競賽之獎金得獎人如為非本籍人士,應扣繳 20%之稅金。</li> <li>2. 國際賽獎金以美金支付。</li> <li>3. 補助辦法: <ol style="list-style-type: none"> <li>(1) 歐美紐澳地區(含俄羅斯)每人補助美金 1,000 元,每隊最高補助人數以三人為限。</li> <li>(2) 亞洲地區團隊每人補助美金 350 元,每隊最高補助人數以三人為限。</li> <li>(3) 外籍人士支領交通補助費新台幣 34,650 元以下者課徵 6%、以上者課徵 18%。</li> </ol> </li> </ol>

## ※注意事項

1. 為確保競賽品質，各獎項得獎者得以從缺。
2. 報名時間截止後，作品名稱、團隊成員、作品企劃書與附件等資料，非經主辦單位同意，不得更改。
3. 參賽文件如有侵犯他人智慧財產權者，須自行承擔法律責任，與主辦單位無涉。
4. 已進行商業販售之作品不得參賽。
5. 主辦單位將提供決賽團隊參賽證，未佩戴參賽證或服裝不符規範者，如經提醒仍未改善，主辦單位有權取消其參賽資格。

## 六、報名辦法：

(一) 報名網址：<https://reurl.cc/31GI7X>



(二) 步驟說明：

- (1) 在報名專區申請參賽帳號。
- (2) 帳號申請後，於個人電子信箱收取認證信，並點選帳號開通連結。
- (3) 開通帳號後，登入並上傳報名資料：
  - A. 作品名稱、隊長姓名、參賽學生、指導老師姓名與系所等基本資料。
  - B. 作品計劃書(以 12 頁為限)：
    - a. 作品介紹
    - b. 研究動機與目的
    - c. 研究過程
    - d. 節能效益
    - e. 創意應用情境說明(Creative Potential Application-Scenarios)
  - C. 附件 (限 PDF 檔，上限為 6 個檔案，每檔案 10MB 以內)

(三) 主辦單位檢核資料與作品計劃書後，以電子郵件通知報名成功與否。

## 七、競賽辦法：

(一) 評審方式：

1. 評審委員：由產學各界之專家學者組成評審委員會。
2. 評審標準：
  - (1) 創意：30%
  - (2) 技術內涵與可行性：30%
  - (3) 作品完整度：25%
  - (4) 創意應用情境：15%



3. 初審方式：書面審查。
4. 複審方式：以會議方式交叉審查。
5. 決賽繳交資料：
  - (1) 作品介紹資料(含照片圖文)
  - (2) 設備需求
  - (3) 創意應用情境影片(格式為 MP4)

**(二) 決賽辦法：**

1. 時間：2020 年 08 月 26 日（三）。
2. 地點：台北君悅酒店(台北市信義區松壽路 2 號)。
3. 方式：
  - (1) 作品介紹可用簡報、實作、影片播放等方式，另含評審提問，共計 20 分鐘，形式、內容與方式，由團隊自行設計。
  - (2) 簡報與實作順序：參賽團隊報到時抽籤決定。
4. 作品展示(暫定)：
  - (1) 由大會依據團隊所提供的作品資料，製作寬 230cm×高 150cm 之展示板。
  - (2) 展示檯面長 200cm×寬 50cm×高 75cm 供決賽團隊展示作品。
5. 服裝規範：請穿著正式服裝。
6. 決賽程序：2020 年 07 月 24 日（五）前公佈。
7. 表揚方式：決賽當日國際交流晚宴中舉行頒獎典禮，主辦單位並向媒體發佈得獎團隊及作品。

**(三) 獎勵辦法：**

獎 項	主 競 賽		國 際 賽	
	獎 金(NTD)	名 額	獎 金(USD)	名 額
金質獎	400,000	乙名	13,300	乙名
銀質獎	250,000	乙名	8,300	乙名
銅質獎	150,000	乙名	5,000	乙名
卓越獎	80,000	七名	2,600	七名
小計	1,360,000 元		44,800 元	
人氣獎	30,000 元(NTD)(三名)			
獎金總額	2750,000 元(NTD) / 92,000 元(USD) (匯率 30:1)			

#### 七、2020 東元 Green Tech 「網路最佳人氣獎」活動辦法：

- (一) 參賽對象：入圍「2020 Green Tech 國際創意競賽」決賽之隊伍
- (二) 參加方式：於 2020 年 7 月 31 日(五) 18:00 前，上傳作品介紹影片至 YouTube 並提供網址連結，逾期視同放棄。
- (三) 主辦單位將作品連結嵌入 2020 Green Tech 網路人氣獎 SurveyCake 投票頁面，供東元集團以及社會大眾觀看並投票。
- (四) 作品影片內容：
  - 1.內容不限，請自行發揮創意。
  - 2.長度以三分鐘為限。
- (五) 投票對象：東元集團與社會大眾。
- (六) 投票期間：2020 年 8 月 1 日 09:00 a.m.至 8 月 26 日 12:00 p.m.止。
- (七) 投票方式：
  - 1.每人可針對支持之作品進行投票、不限作品件數。
  - 2.「網路最佳人氣獎」成績僅參考 SurveyCake 表單之票數，不另參考其他社群媒體之統計，並以活動期間之統計數據為準。
  - 3.「網路最佳人氣獎」之投票數據，送評審委員會審議並確認得獎名單。
  - 4.「網路最佳人氣獎」將於 Green Tech 頒獎典禮中頒發，前三名各可獲得獎金新台幣一萬元整。
  - 5.本競賽因故無法進行時，主辦單位有權變更或取消活動，本「網路最佳人氣獎」活動辦法如有未盡事宜，主辦單位得保留變更或取消本活動之權利。

八、活動網址：<https://reurl.cc/qDyj03>







# TECO International Contest

## 2020 東元國際創意競賽

- **Organizer:** TECO Technology Foundation
- **Co-Organizer:** Industrial Technology Research Institute (ITRI)
- **Sponsors:** TECO Image System (TIS) and Creative Sensor Inc. (CSI)
- **Themes:**
  1. AIoT Technologies Applied to Energy Saving in Factories and Buildings
  2. Technical Innovations on Improved Energy Efficient Mechanical and Electrical Products
  3. Renewable Energy Storage and Power Generation Technologies
  4. Technical Innovations on Eco-friendly EV and its Powertrain Systems
  5. Development and Application of Waste Handling, Reusing and Recycling Technologies
  6. Other Technological Innovations Related to Green Energy Technology

- **Items of Contest:**

Contents	Main Contest	International Contest
Participants Eligibility	Undergraduates or graduates with team advisors in Taiwan	Undergraduates or graduates with team advisors worldwide
Teams Eligibility	I. Each participating team must have a minimum of 4 members, including the above-mentioned advisor(s)/instructor(s). II. Team members can be from different schools or departments, but each member can belong to one team only.	I. Each participating team must have a minimum of 3 members, including the above-mentioned advisor(s)/instructor(s). II. Team members can be from different schools or departments, but each member can belong to one team only.
Language	Chinese	English
Deadline of Submission	June 30	June 22
Team Counts for Finals	10	10
Announce Qualification Review	July 24	July 10
Submission of Final Contest	August 03	July 29
Final Competition	August 26	
Total Bonus	NTD \$1,360,000	USD \$44,800
Special Remarks	I. To insure the equity of Contest, teams may not note the name of university, participant or advisor(s) in any document of article 4, under the "Submission of Entries" section.	I. According to the R.O.C. Income Tax Act Article 14, Category 8, income derived from prizes or awards in contests are subjected to consolidated income tax. <b>By law, a non-resident must pay a 20% consolidated income tax.</b> II. <u>Maximum of THREE</u> round-trip economy class flight tickets will

Contents	Main Contest	International Contest
	II. According to the R.O.C. Income Tax Act Article 14, Category 8, income derived from prize or awards in contests are subjected to consolidated income tax. <b>By law, a resident must pay a 10% consolidated income tax.</b>	be provided to each team from <b>America, Europe, Oceania and Africa</b> , but <u>the subsidy is limited to \$1,000 USD per member.</u> III. <u>Maximum of THREE</u> round-trip economy class flight tickets will be provided to each team from <b>Asia</b> , but <u>the subsidy is limited to \$350 USD per member.</u> IV. Transportation subsidies will be taxed 6% under NTD34,650, and 18% will be taxed above NTD34,650

※Notice

1. In an effort to maintain the standard of excellence, the judges reserve the right to present no award.
2. Without organizer's permission, no information change is accepted after the submission deadline.
3. Any patent and copyright infringement will be each participant's own responsibility.
4. Works already publicized & commercialized are not allowed to enter the contest.
5. Failure to comply with the participation IDs or dress code may be subject to disqualification.

● **Submission of Entries:**

(1) Website : <https://reurl.cc/31GI7X>

(2) Registration procedure

1. Registration on the website.
2. Receiving a confirmation email and click the URL to complete the registration.
3. Upload Team Profile:
  - I. Research Title
  - II. Basic information of the advisor(s)/instructor(s) and all the team members
  - III. Photocopies of valid student IDs or Certificate of Enrollment of each team member
4. Successful registration confirmation email will be sent if documents are complete.

(3) Work Description:

- I. Introduction
- II. Research Motivation and Purpose
- III. Research Process
- IV. Energy Saving Benefit
- V. Creative Potential Application-Scenarios





(4) Annex of your research (Please upload within 6 PDF files. Each attachment maximum size is 10MB.)

(5) Receiving a successful registration confirmation email when your upload is complete.

● **Method of Assessment:**

(1) The Accreditation Committee is composed of university professors, scholars, and professionals from various countries.

(2) Contest Evaluation Criteria are as following:

I. Creativity: 30%

II. Technical Content & Feasibility: 30%

III. Completeness of Work: 25%

IV. Creative Potential Application-Scenarios: 15%

(3) Qualification Review is based on the submitted information. The Accreditation Committee will select 10 qualified teams to attend the final competition.

(4) Submission of Final Competition :

I. Research Introduction Materials

II. Instrument Requirement Form

III. Video of Creative Potential Application-Scenarios (must be mp4. file)

● **Final Competition:**

(1) Date: August 26th, 2020.

(2) Venue: Grand Hyatt Taipei (2, SongShou Road, Taipei, Taiwan, 11051)

(3) Method:

I. 20 minutes Oral Presentation per team including Q&A (Presenting by Power Point, Video or Work Demonstration are all acceptable).

II. Work Demonstration: An exhibition board (W 230cm x H 150 (tentative)) will be offered to each team attending the Final Competition.

III. Designated Language: English.

IV. Dress Business Attire. (Failure to comply with the dress code may be subjected to disqualification.)

V. Procedure of the Final Competition will be announced no later than July 24th, 2020.

VI. An award ceremony will be held in the evening dinner banquet of the Final Competition.

VII. The information of winning teams will be released to press.

● **Awards:**

Awards	Main Contest		International Contest	
	Bonus(NTD)	Count	Bonus(USD)	Count
Gold Medalist	\$400,000	1	\$13,300	1
Silver Medalist	\$250,000	1	\$8,300	1
Bronze Medalist	\$150,000	1	\$5,000	1
Excellence Awards	\$80,000	7	\$2,600	7
Subtotal of Bonus	\$1,360,000(NTD)		\$44,800(USD)	
Most Popular Award	\$30,000(NTD)			
<b>Total Bonus</b>	<b>\$2,750,000(NTD) / \$92,000(USD)</b> (Exchange rate 30:1)			

● **The “Most Popular Award” of 2020 TECO Green Tech International Contest:**

1. Participant: All finalist teams of 2020 TECO Green Tech Contest.
2. How to participate: Upload the research introduction video to YouTube and provide the linkage by July 31<sup>st</sup>, 2020, 6:00 p.m.
3. Organizer uploads all linkages onto SurveyCake voting page for voluntary voting by TECO and the publics.
4. Content of Video:
  - (1) No limitation.
  - (2) Within 3 minutes.
5. Voters: TECO and the publics.
6. Voting Period: From August 1st, 2020, 9:00 a.m. to August 26, 2020 12:00 p.m..
7. Voting Rules:
  - I. Each voter can vote what they appreciate and without limitation of researches.
  - II. The final result of “Most Popular Award” is only referred to the votes from SurveyCake voting page.
  - III. The final result of “Most Popular Award” will be confirmed by the Accreditation Committee.
  - IV. “Most Popular Award” will be granted at the Award Ceremony, and the top three teams win USD\$330 each.
  - V. Organizer reserves the right to cancel, modify or terminate the activity for unpredictable reasons.

- **Website of the contest:** <https://reurl.cc/qDyj03>

