

國立中興大學工學院專題研究成果競賽辦法

民國 99 年 6 月 24 日院務會議修正通過

民國 103 年 3 月 15 日院務會議修正通過

民國 106 年 10 月 25 日院務會議修正通過

民國 109 年 2 月 6 日院會議修正通過

第一條 本院為鼓勵大學部學生積極參與專題研究，加強實驗與實作之能力，培養論文寫作與海報發表之技巧，並鼓勵學生組成團隊，訓練系統化之思維，發揮創造力，完成具創意與實用性之作品，特訂定本辦法。

第二條 參賽規定：

1. 凡本院在學之大學部學生，得以個人或組成至多三人之團隊參賽。
2. 參賽團隊依規定繳交相關資料，經專題研究指導教授及學系同意推薦始得報名參賽。
3. 每個學系至多可推薦 6 組參賽。

第三條 評審方式與評審項目：

由本院院長聘請本院教師與校外專家學者七至十五人組成評選委員會評選之。

評選程序：

1. 參賽者應繳交摘要簡述其專題研究成果(含圖表以不超過 4 頁為原則)，評選委員會以此摘要進行書面評審，並擇優參與複選。
2. 複選：通過初選者依規定方式展示專題研究成果，須以海報展示(亦可以實體成果輔佐)，參賽者需於現場解說。
3. 評審項目包括主題及研究方法、成果與貢獻、內容與解說等。

第四條 獎勵方式：

1. 特優獎：一名(得從缺)，發給中英文獎狀及獎金新台幣壹萬貳千元。
2. 優等獎：二名(得從缺)，發給中英文獎狀及獎金新台幣陸千元。
3. 貳等獎：至多五名，發給中英文獎狀及獎金新台幣參千元。
4. 佳作：若干名，發給中英文獎狀。
5. 參加複選者，均發給參賽證書。
6. 得獎者之指導教授，另頒發獎狀。

第五條 申請截止日期：

每學年第 2 學期開學後至 4 月底前，將參賽文件(含報名表與書面論文一份)送工學院辦理。

第六條 本辦法經院務會議通過後，送請校長核備後施行，修訂時亦同。

國立中興大學工學院「學生雙語化學習計畫」-

全英文專題研究成果及論文競賽獎勵辦法

民國 111 年 2 月 17 日 EMI 推動小組會議通過

第一條 獎勵目的：

為提升工學院大學部及研究生英文寫作及口頭發表能力，鼓勵學生使用英文參加本院專題研究成果及論文競賽，依教育部「大專校院推動雙語化計畫補助計經費使用原則」，訂定本院全英文專題研究成果及論文競賽獎勵辦法。

第二條 獎勵對象：

凡本院在學學生以全英文參與本院專題研究成果競賽或研究生論文競賽者。

第三條 獎勵方式：

一、大學部專題研究成果競賽

全英文特優獎：一名（得從缺），獎金新台幣壹萬捌仟元整。

全英文優等獎：二名（得從缺），獎金新台幣玖仟元整。

全英文佳作獎：若干名，獎金新台幣陸仟元整。

二、研究生論文競賽

全英文特優獎：一名（得從缺），獎金新台幣壹萬伍仟元整。

全英文優等獎：二名（得從缺），獎金新台幣柒仟伍佰元整。

全英文佳作獎：若干名，獎金新台幣參仟元整。

第四條 經費來源：

本辦法所需經費，由教育部大專校院學生雙語化學習計畫編列支應，若該計畫停止執行或補助經費不足編列時，則取消本獎勵措施。

第五條 如有其他未盡事宜，依教育部「大專校院推動雙語化計畫補助計經費使用原則」辦理。

第六條 本要點經EMI小組會議審議通過後實施，修正時亦同。

附則：參賽作品如涉有抄襲或侵犯智慧財產權者，經認定屬實，一律取消參賽資格，已獲獎者追回已頒給之獎項，並由參賽者自負法律責任。

台灣康寧顯示玻璃股份有限公司

台灣康寧 PBL 創新獎 (PBL innovation award) 遴選辦法

台灣康寧玻璃顯示股份有限公司為培育科學、科技、工程、數學之 STEM 領域人才，因此於 112 學年度提供「台灣康寧 PBL 創新獎」(PBL innovation award)，以鼓勵中興大學工學院各系之學生團隊執行問題導向學習方案 (PBL) 的專題研究，包含執行企業專題或學校專題研究。

今年康寧 PBL 創新獎與中興大學工學院專題研究成果競賽共同辦理，欲參賽之學生團隊僅需繳交一份投稿資料，即可同時參加本獎項遴選及工學院專題研究成果競賽，詳見下方報名表。歡迎工學院各系所同學踴躍組隊參加！

一、初審收件時間：113 年 2 月 19 日 (一) 至 4 月 30 日 (二)

二、複審時間：113 年 6 月 3 日至 6 月 07 日擇一日辦理

三、獎項內容：(將依法代為扣繳相關稅款與必要手續費)

(一) 優勝：一組，每組提供新台幣 50,000 元獎學金、獎狀

(二) 第二名：一組，每組提供新台幣 15,000 元獎學金、獎狀

(三) 第三名：一組，每組提供新台幣 5,000 元獎學金、獎狀

(四) 佳作：二組，每組提供獎狀

四、申請資格：(以下資格皆需符合)

(一) 中興工學院之在學大學部學生 (限大三、大四生)，得以個人或組成至多三人之團隊參賽。

(二) 參賽團隊依規定繳交相關資料，經專題研究指導教授同意推薦始得報名參賽。

五、評審方式與項目：由台灣康寧公司推派三位康寧審查委員及一位中興大學工學院教師組成審查委員團隊，以進行申請資料之初審及複審。如若不足額或無符合資格之申請者，獎項得從缺或調整。

(一) 初審：參賽者應繳交研究摘要之紙本與 PDF 電子檔 (含圖表以不超過 4 頁為原則)、報名表 (紙本)、個人資料提供同意書 (紙本，每人一張)。投稿紙本請送至中興大學工學院，電子檔請寄送信箱：mika@dragon.nchu.edu.tw。

(二) 本競賽要求文字與報告內容表達需簡要、清楚，不強制要求使用英文進行文件書寫或口頭報告。

※ 研究摘要應包含內容：摘要（why/what/how）、所呼應的 SDGs 目標、文獻回顧與研究動機、實驗設計與流程、實驗成果、結論、參考資料

(二) **複審**：通過初審之團隊（擇優 5 組）需出席複審並上台報告參賽作品，未出席者視同放棄獎項。其中，每組報告時間共 15 分鐘（包含 3-5 分鐘 Q & A）。審查委員將於現場進行審查評分。

六、評審結果公告：

(一) 初審通過名單將於 113 年 5 月 20 日（一）前公布於 Corning Taiwan - 創新與關懷 FB 粉專（<https://www.facebook.com/CorningTaiwanInnovationandCare/>）、國立中興大學 STEM 人才培育計畫官網（<https://stemnchu.wixsite.com/stemnchu110-113>）以及中興大學工學院官網。主辦單位亦將以電話及 e-mail 通知通過團隊。

(二) 獲獎公告與頒獎典禮將於複審當日於中興大學舉辦。

七、凡提出申請者，視為認同上述各項辦法，無論獲獎與否，各項申請資料均不退還。

八、參賽作品如涉有抄襲或侵犯智慧財產權者，經認定屬實，一律取消參賽資格，已獲獎者追回已頒給之獎項，並由參賽者自負法律責任。

九、本遴選辦法如有未盡之事宜或疑義時，台灣康寧公司保有以公告方式隨時解釋、補充、修改、變更之權利。

十、主辦單位聯絡資訊：

台灣康寧研發中心，email：ChangY20@Corning.com

聯絡電話：(03) 5820550

十一、協辦單位聯絡資訊：

國立中興大學工學院 STEM 人才培育計畫辦公室，email：stemnchu@gmail.com

聯絡電話：(04) 2284-0430 #714

The Regulation of Undergraduate Research Project Competition of College of Engineering at National Chung Hsing University

Amended and approved by College Affairs Meeting, 2010.6.24

Amended and approved by College Affairs Meeting, 2014.3.15

Amended and approved by College Affairs Meeting, 2017.10.25

Amended and approved by College Affairs Meeting, 2020.2.6

Article 1: “The Regulation of Undergraduate Research Project Competition of College of Engineering at National Chung Hsing University” has been formulated to encourage undergraduate students to actively participate in research projects, strengthen their experimental and practical abilities, develop their paper writing and poster presentation skills, train them to think systematically, be creative in creation and practical work, and encourage students to form teams.

Article 2: Eligibility

- (i) Current undergraduate students of College of Engineering can participate individually or in teams of up to 3 students.
- (ii) The participating students/teams submit relevant documents to participate in the competition after being recommended and approved by the research project advisor and their department, respectively.
- (iii) Each department can nominate up to 6 students/teams to participate in the competition.

Article 3: Evaluation Methods and Procedures

The dean of College of Engineering will appoint 7 to 15 people to establish a research project competition committee. Members are faculty members of the College of Engineering, as well as external academics and experts. The evaluation process is as follows:

- (i) Judging criteria include research project theme, research methodology, achievements and contributions, research content and interpretation, etc.
- (ii) First Round: Participating students/teams are required to submit an abstract of research project results, including figures and tables not more than 4 pages. The submitted abstracts will be evaluated to select students/teams for the second round.
- (iii) Second Round: Participating students/teams will be required to give a poster presentation, which can also be assisted by real product results, and answer all questions.

Article 4: Rewards

There will be one champion (can be absent), two first runner-up (can be absent), no more than five second runner-up, and several honorable mentions. All students/teams participating in the second round competition will receive a certificate of participation. The research project advisors of the winners will also be awarded a certificate.

- (i) Champion: Certificate and NT\$12,000
- (ii) First runner-up: Certificate and NT\$6,000
- (iii) Second runner-up: Certificate and NT\$3,000
- (iv) Honorable mention: Certificate

Article 5: Application Deadline

Participating students are required to submit documents, including an application form and a full paper, to the College of Engineering from the start of the second semester to April 30.

Article 6: This regulation shall be submitted to the president of National Chung Hsing University for approval and implementation after it has been approved by College Affairs Meeting. The same shall apply to amendments.

**Bilingual Learning Program for Students at the College of Engineering,
National Chung Hsing University
The Regulation of Research Project and Paper Competition
(English as Medium of Competition)**

Approved by EMI Promotion Team Meeting, 2022.2.17

Article 1: Purpose of the Competition

According to the “Principles for the Use of Funding for Bilingual Program in Colleges and Universities” promulgated by the Ministry of Education, College of Engineering has formulated “The Regulation of Research Project and Paper Competition (English as Medium of Competition)” to encourage undergraduate and postgraduate students of College of Engineering to participate the Research Project and Paper Competition (English as Medium of Competition) in order to improve their English writing and oral presentation ability.

Article 2: Target Participants

Current undergraduate students from the College of Engineering are eligible to participate in Undergraduate Research Project Competition (English as Medium of Competition)

Or

Current postgraduate students from the College of Engineering are eligible to participate in Postgraduate Paper Competition (English as Medium of Competition)

Article 3: Rewards

- (i) Undergraduate Research Project Competition (English as Medium of Competition)
 - (a) Champion: One winner (can be absent) will receive a bonus of NT\$18,000
 - (b) First runner-up: Two winners (can be absent) and each winner will receive a bonus of NT\$9,000
 - (b) Honorable mention: Several winners and each winner will receive a bonus of NT\$6,000
- (ii) Postgraduate Paper Competition (English as Medium of Competition)
 - (a) Champion: One winner (can be absent) will receive a bonus of NT\$15,000
 - (b) First runner-up: Two winners (can be absent) and each winner will receive a bonus of NT\$7,500
 - (c) Honorable mention: Several winners and each winner will receive a bonus of NT\$3,000

Article 4: Sources of Funding

The funds required by this scheme shall be covered by the Ministry of Education's Bilingual Learning Program for college/university students. In case of the Bilingual Learning Program for college/university students is discontinued or the funding is insufficient, the reward shall be cancelled.

Article 5: Other matters not covered shall be handled in accordance with “Principles for the Use of Funding for Bilingual Program in Colleges and Universities” promulgated by the Ministry of Education.

Article 6: This regulation shall be implemented after approval by EMI (English as Medium of Instruction) Promotion Team Meeting. The same shall apply to amendments.

Supplementary Rules:

Entries involving plagiarism or infringement of intellectual property rights will be disqualified from the competition. The awards (certificates and bonuses) given to the winners will be withdrawn and the participants will be responsible for their own legal responsibility

Corning Display Technologies Taiwan

Corning PBL Innovation Award 2024

Corning PBL Innovation Award 2024 is offered by Corning Display Technologies Taiwan (CDTT) for undergraduate students from College of Engineering at National Chung Hsing University (NCHU) who conduct problem-based learning (PBL)-related research in the fields of Science, Technology, Engineering, and Mathematics (STEM). The research project topics could be either from NCHU or enterprises.

The competitions of “Corning PBL Innovation Award” and “Undergraduate Research Project Competition of College of Engineering” are co-held in 2024. Only one submission is needed.

Schedule

- Application Period: From February 19st to April 30th, 2024
- Second Round: One day from June 3th to June 7th, 2024

Prizes (subject to income tax if eligible)

- The first-place winner: Certificate and NT 50,000
- The second-place winner: Certificate and NT 15,000
- The third-place winner: Certificate and NT 5000
- Two honorable mentions: Certificate

Eligibility (need to fulfill below criteria)

- Current undergraduate students from College of Engineering at NCHU (limited to junior and senior students) can individually or make a team up to 3 students to participate in the competitions
- The applicants need to submit relevant documents with the recommendation from the research project advisor(s)

Judging Criteria

- The competition committee is formed by three reviewers from Corning Research Center Taiwan and one reviewer from faculty member of the College of Engineering in NCHU to proceed the first and second round reviews according to the submission materials. The prize could be absent or modified if there are no sufficient applicants or the applicants do not fulfill the criteria
 - First Round: the applicants are required to submit the following documents

- A hard copy of research summary and a pdf file (not exceeding four pages). The content of a pdf file should comprise abstract (why/what/how), SDGs scope, literature review, research motivation, experimental design and procedure, experimental results, conclusions, and references
- The clear and concise wordings and presentation are required. English writing or presentation is not mandatory
- A completed and duly signed application form (hard copy) and a personal information consent letter (hard copy).

Please Note

- The hard copies are required to submit to College of Engineering at NCHU and the pdf file is required to email to mika@dragon.nchu.edu.tw
- Second Round: Five applicants who are selected from the whole applicants are required to attend the second-round review and present the research projects. The applicants who do not attend the second-round review are considered a waiver to the awards mentioned above. Every applicant will need to give a presentation for 15 min (including Q&A section for 3-5 min). The reviewers will give the scores on-site

Announcement:

The list of awardees who passed the first-round review will be announced through below channels by May 20th, 2024.

- Corning Taiwan Facebook fan page
<https://www.facebook.com/CorningTaiwanInnovationandCare/>
- Official website of STEM Talent Cultivation Project in NCHU
<https://stemnchu.wixsite.com/stemnchu110-113>
- Official website of the College of Engineering
<http://www.engineer.nchu.edu.tw/>

The organizer will also inform awardees by phone or email.

The ceremony will be held on the same date of the second-round review in NCHU.

Sponsor Contact Information:

Corning Research Center Taiwan
Email: ChangY20@Corning.com, Tel: (03) 5820550

Organizer Contact Information:

Office of STEM Talent Cultivation Project in NCHU, Department of Mechanical Engineering,

Email: stemnchu@gmail.com, Tel: (04) 2284-0430 #714

Terms & Conditions

- The Sponsor, Corning Display Technologies Taiwan, reserves the right to amend the regulations of the awards without advance notice.
- In the event of any disputes, the Sponsor reserves the right of the final decision.
- The Sponsor reserves the right to interpret and amend the regulations and details of the awards.
- The Sponsor reserves the right to revise the above conditions without making any advance announcement
- Applicants involving plagiarism or infringement of intellectual property rights will be disqualified from the competition. The awards (certificates and bonuses) given to the winners will be withdrawn and the participants will be responsible for their own legal responsibility
- Applicants are considered to agree above terms and the submission documents will not be returned in any case