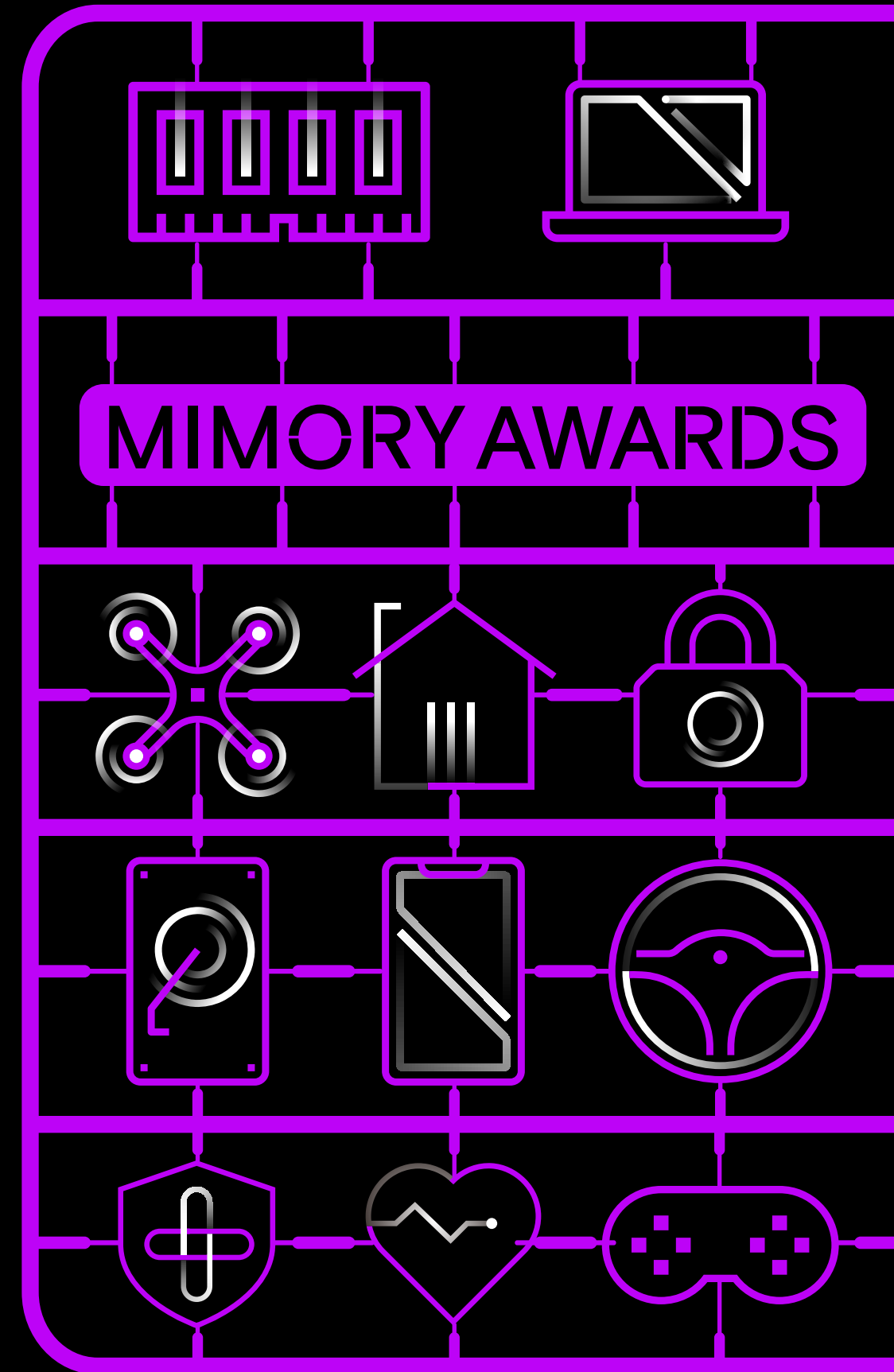


美光半導體 創新應用競賽

Micron Mimory Awards

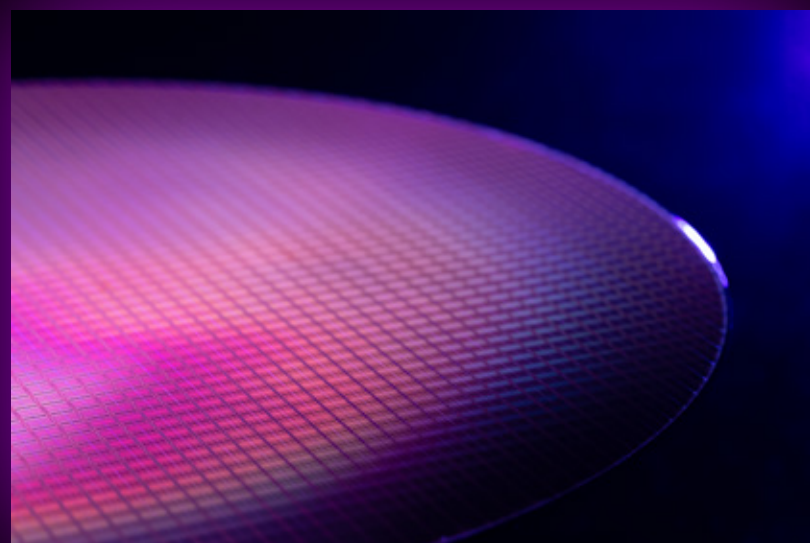
NOV.01.2023



About MIMORY AWARDS

活動目的





→ 推動半導體產業創新

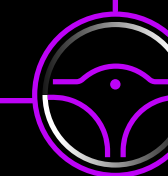
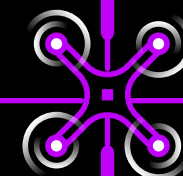
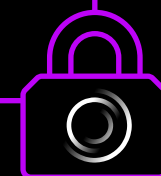
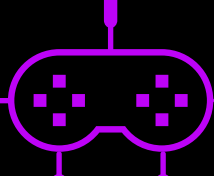
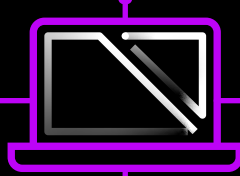
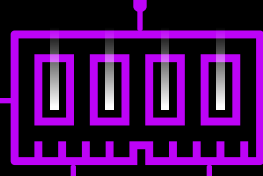
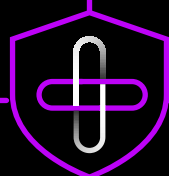
促進科技進步與產業升級

→ 鼓勵學生在半導體領域

探索新的概念
技術和解決方案

→ 半導體領域創新平台

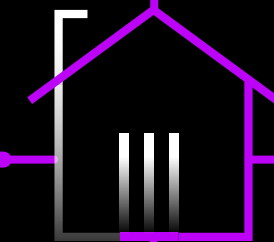
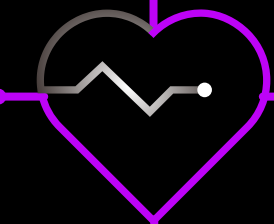
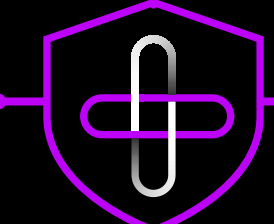
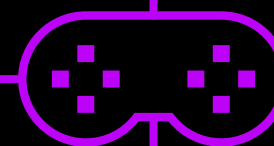
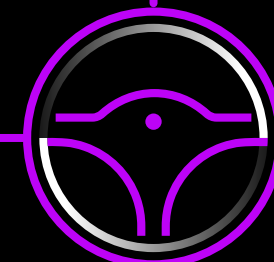
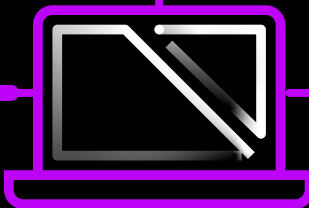
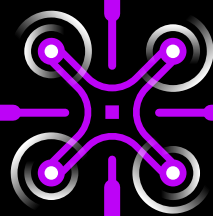
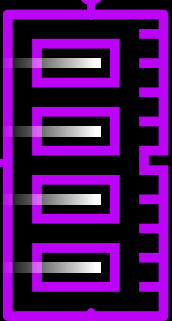
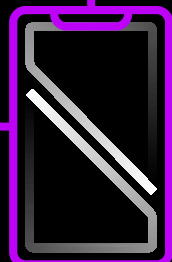
推動科技的突破
為社會帶來更多的價值和影響力



Theme of the year

競賽主題

改變運用資訊的方式
以豐富全人類的生活



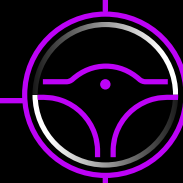
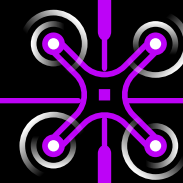
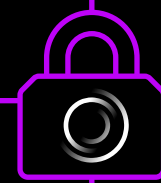
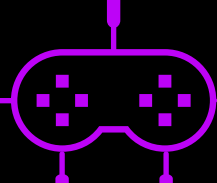
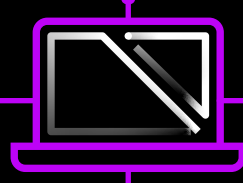
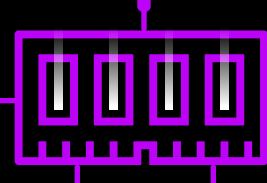
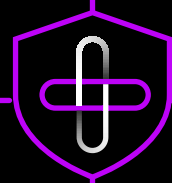
Eligibility & Categories

報名資格及組別



報名資格

- 報名期間為臺灣地區大學院校全職大四(含)以上在學學生(含研究生/博士生), 在職進修學生及教師除外, 不限國籍。
- 每隊參賽學生以至多四人為限, 鼓勵跨年級/院系所/校混合組隊。
- 每組須找一名指導老師, 需為現任大學院校老師, 每位指導老師可指導隊伍不限。

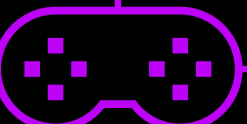
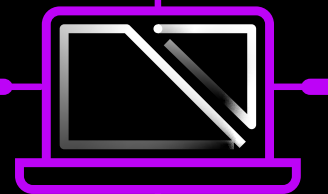
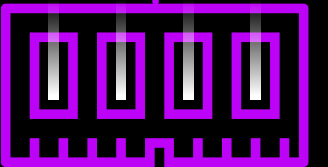
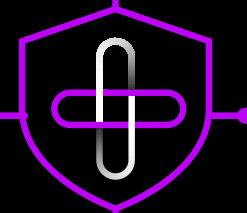


1. 先進製程技術開發組

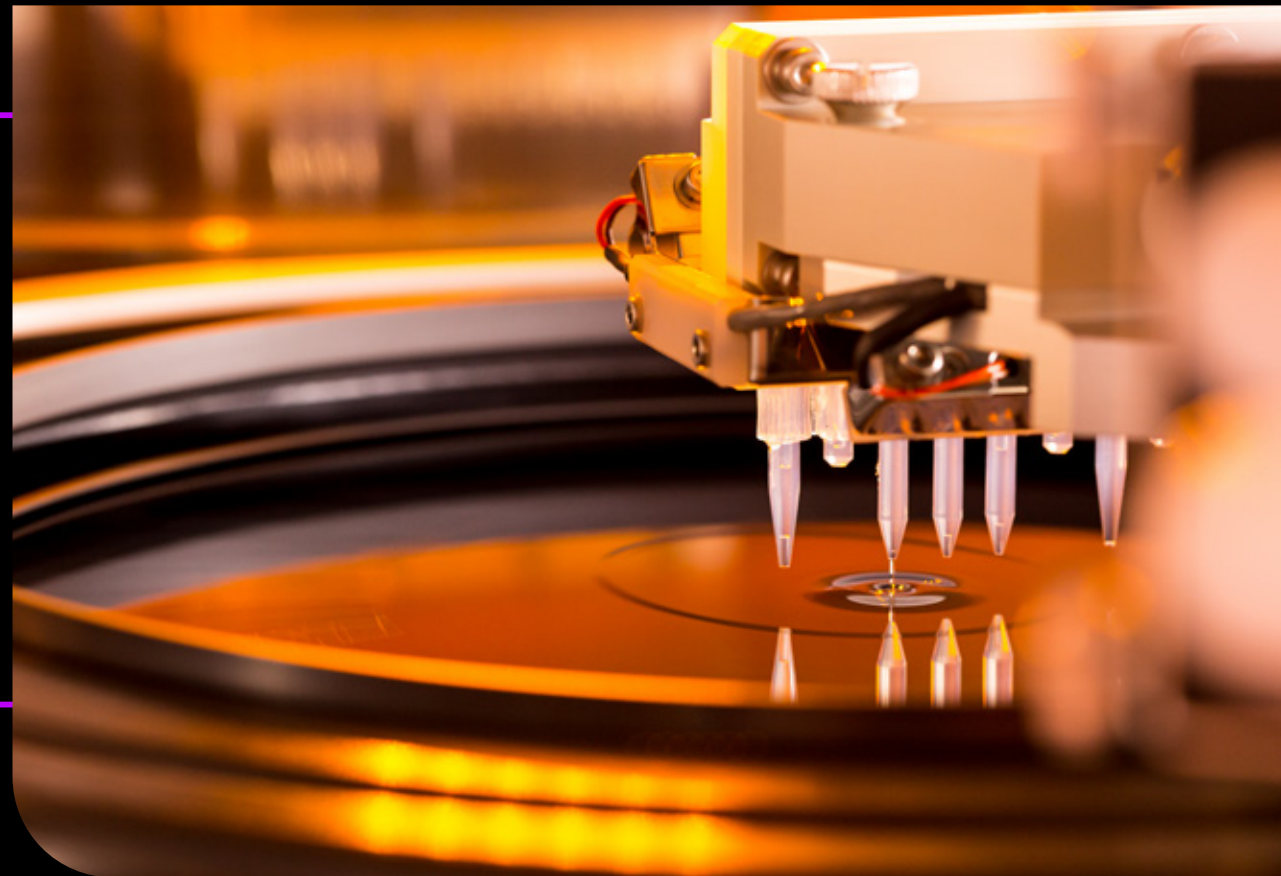


主題包括, 但不限 

- 次世代記憶體製程開發
- 邏輯製程開發
- 第三代半導體製程開發
- 先進封裝製程技術
- 3DIC製程技術開發
- 高頻寬半導體製程技術

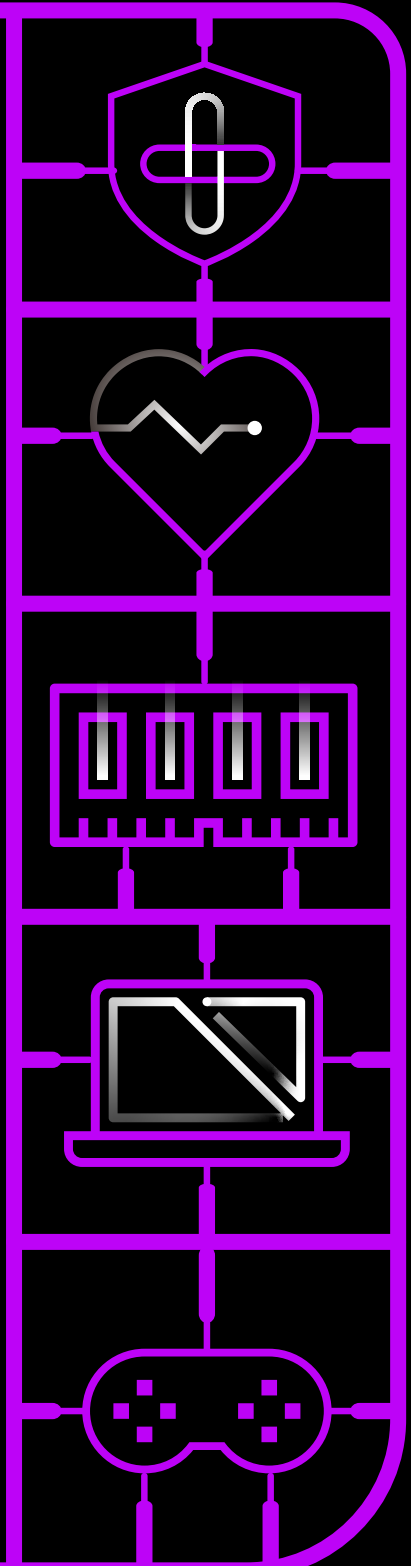


2. 新世代半導體 應用材料組

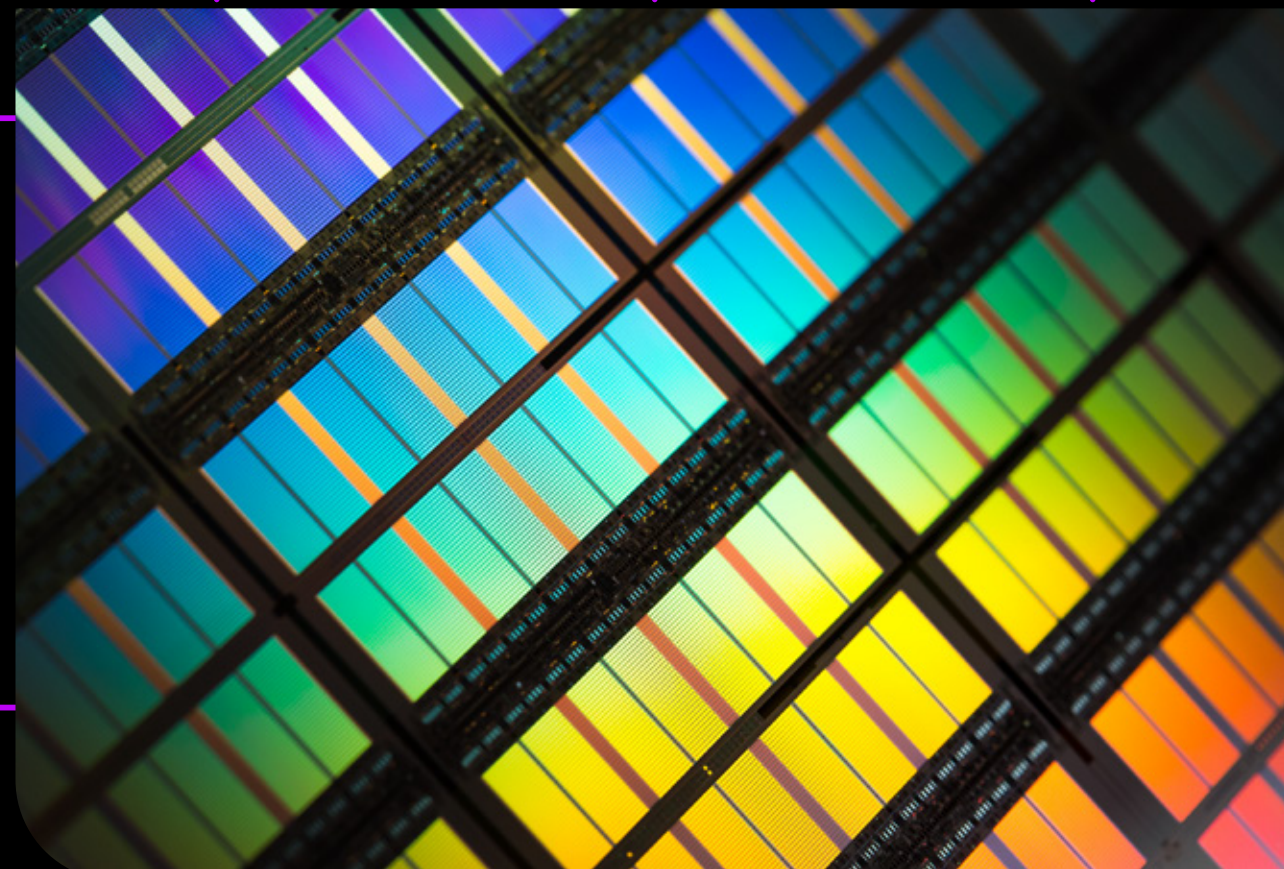


主題包括, 但不限 

- GaAs (砷化鎵)
- GaN (氮化鎵)
- SiC (碳化矽) 新世代半導體材料
- 先進黃光光阻材料
- 先進封裝應用材料
- 製程用化學品
- 特殊性製程化學品

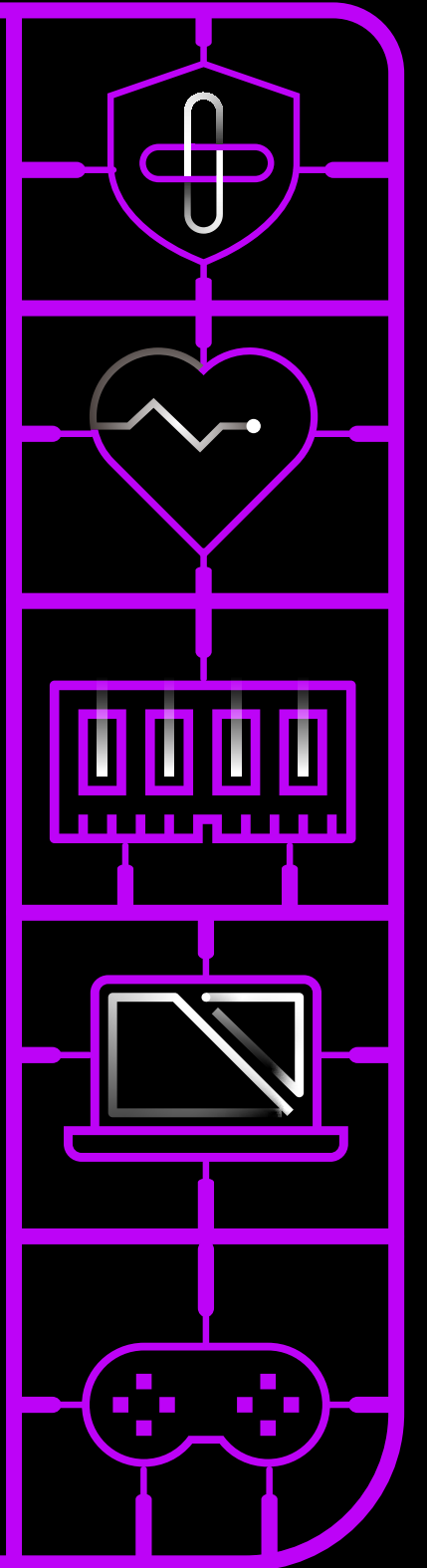


3. 元件設計開發組

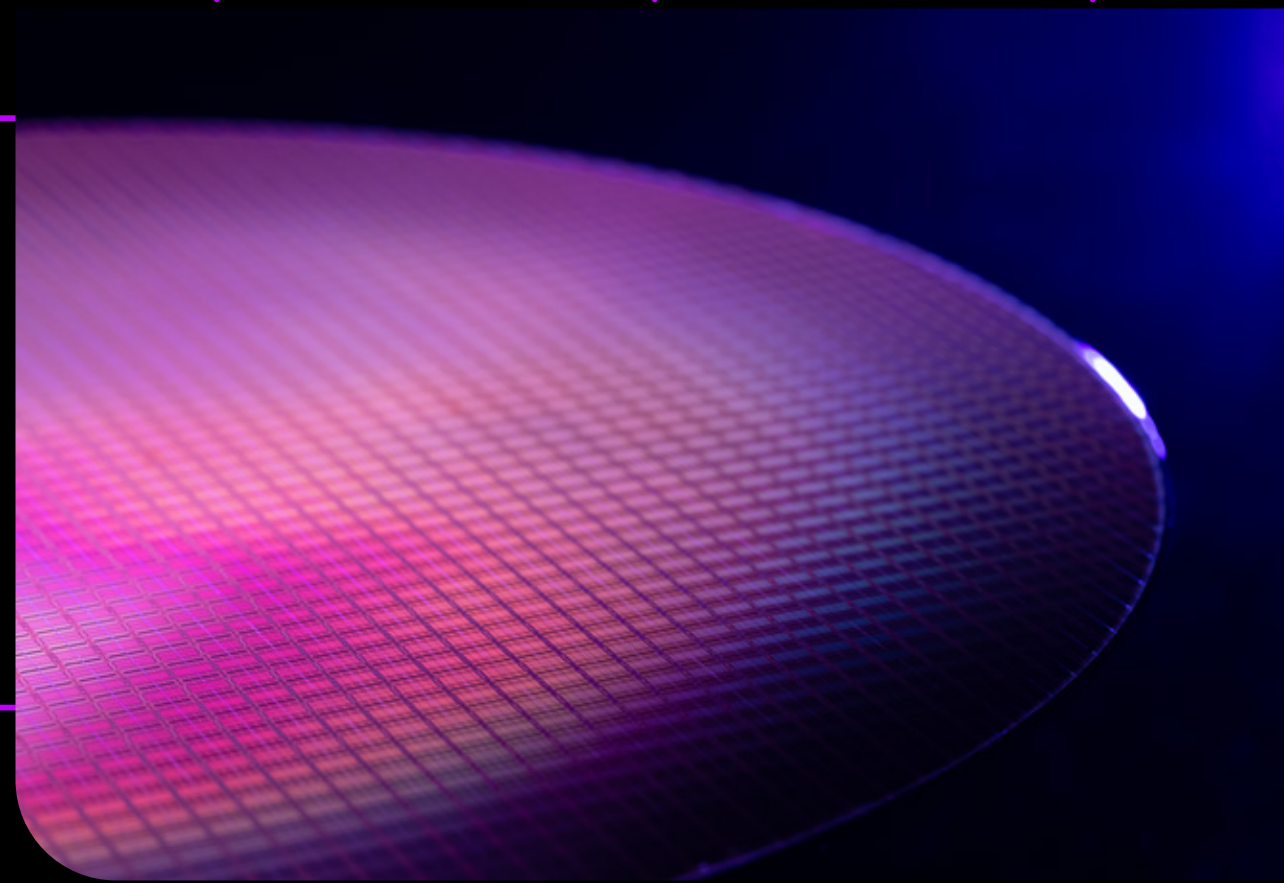


主題包括, 但不限 

- 記憶體元件線路設計
- 模擬技術開發

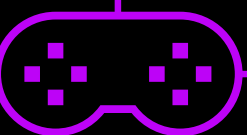
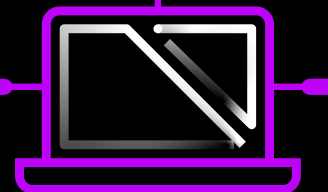
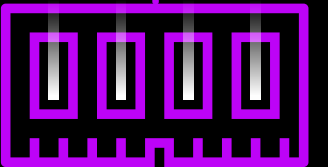
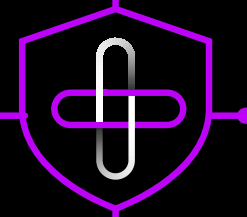


4. 半導體生產製造組



主題包括, 但不限 

- 先進量測技術
- 製程即時監控技術開發
- 智慧製造
- 自動化技術開發
- ESG永續環境相關



Timeline

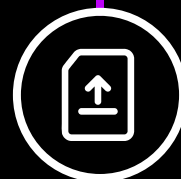
活動時程





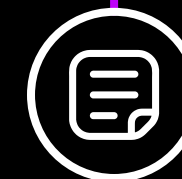
線上報名(審核資格)

即日起至 2024/1/15 (一)



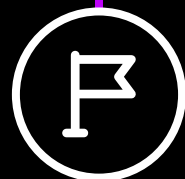
初賽企劃書繳交

資格審核通過後至 2024/2/18 (日)
中午12:00截止收件



複賽晉級名單公布

2024/3/11 (一)公告



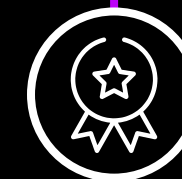
複賽

2024/3/27 (三)



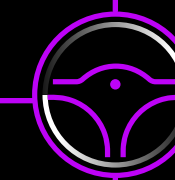
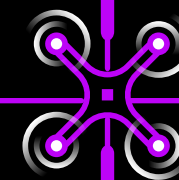
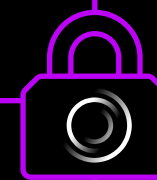
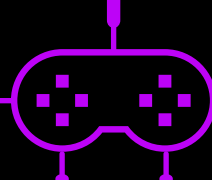
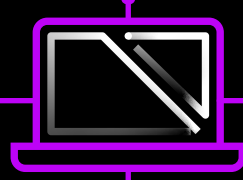
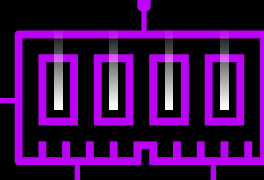
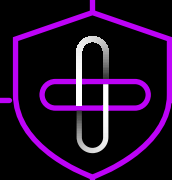
總決賽晉級名單公布

2024/3/29 (五) 公告



總決賽/頒獎典禮

2024/4/24 (三)



Evaluation Standards

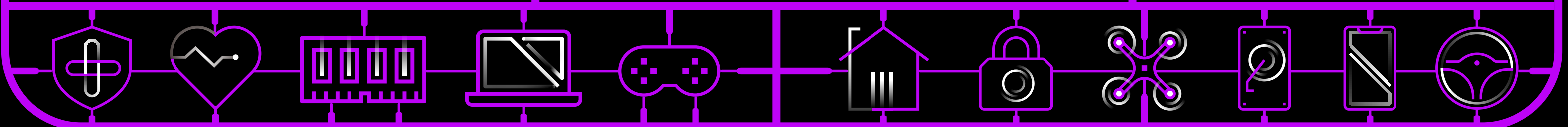
評分標準



初賽評分標準

MIMORY AWARDS

評分項目 Item	項目細節 Definition	%
Completion and quality	<ul style="list-style-type: none">企劃完整度與呈現品質問題及目標定義明確	15%
Data analysis	<ul style="list-style-type: none">佐證資料與數據收集的充分性善用工具進行資料分析可操作性	25%
Innovation	<ul style="list-style-type: none">企劃擬定、選定邏輯與正確性創意性實際效益與影響力	35%
Feasibility & Difficulty	<ul style="list-style-type: none">建立可能性模型與驗證真因與分析差異	25%



複賽/決賽評分標準

MIMORY AWARDS

	評分項目 Item	項目細節 Definition	複賽 決賽	
	複賽佔總成績 30%	Completion and quality	<ul style="list-style-type: none"> 企劃完整度與呈現品質 問題及目標定義明確 	10%
決賽佔總成績 70%	Data analysis	<ul style="list-style-type: none"> 佐證資料與數據收集的充分性 善用工具進行資料分析 可操作性 	15%	50%
	Innovation	<ul style="list-style-type: none"> 企劃擬定、選定邏輯與正確性 創意性 實際效益與影響力 	15%	
	Feasibility & Difficulty	<ul style="list-style-type: none"> 建立可能性模型與驗證真因與分析差異 	10%	
	Demonstration & Presentation	<ul style="list-style-type: none"> 成果展示 簡報解說 	50%	50%

Competition Rules

競賽規範



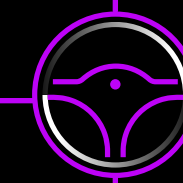
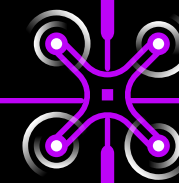
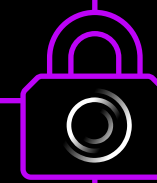
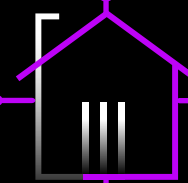
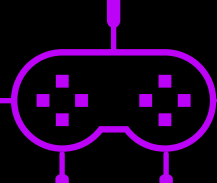
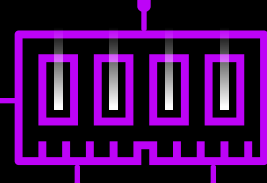
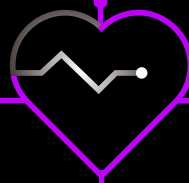
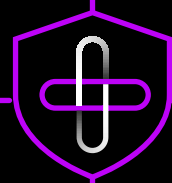
相關規範

請詳閱網站報名資訊



格式及內容

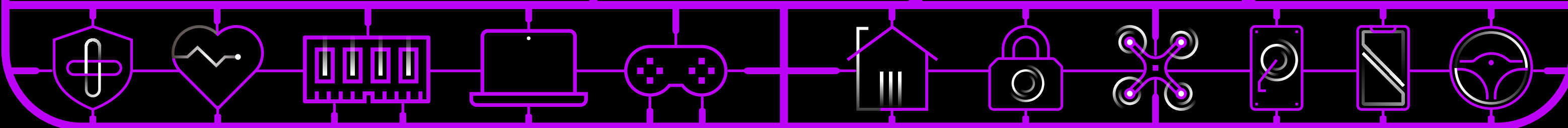
企劃書及簡報內容
須均使用英文撰寫
口試可使用中文進行



請用
PDF 格式
提交

企劃書封面

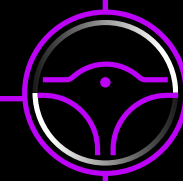
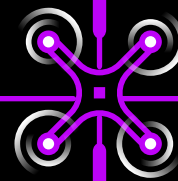
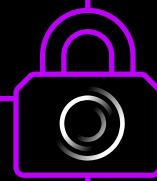
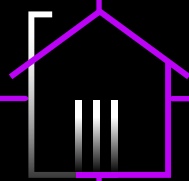
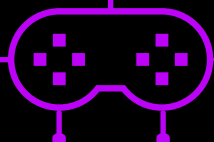
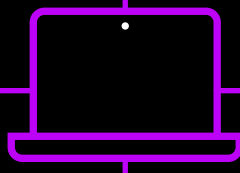
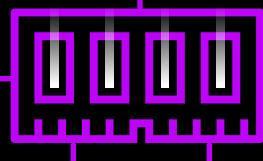
- 包含參賽題目
- 參賽組別
- 參賽隊伍編號 (將於審核資格後通知)
- 指導老師
- 隊長與隊員姓名



請用
PDF 格式
提交

初賽提案企劃書

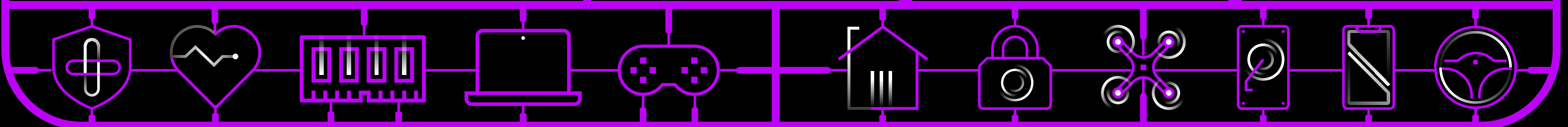
- 一頁封面 (內容如上述) 和專案內容
- 不得低於16級字體大小 / 行距不低於16級字單行間距
- 中文字型「建議」使用微軟正黑體
- 英文字型「建議」使用Arial
- 檔案大小不得超過30MB
- 轉成PDF格式上傳繳交至參賽網站



專案內容

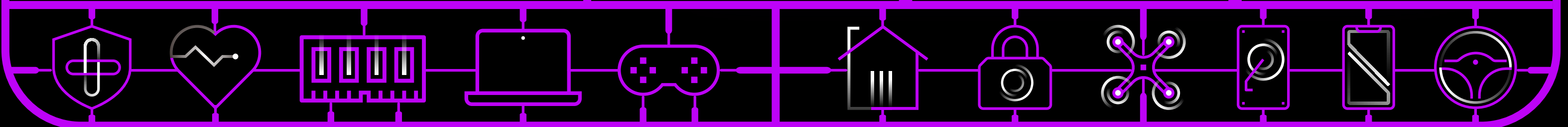
專案內容不限制頁數，
但必須至少有以下項目：

- Project Title (題目)
- Research background & motivation or benefits (研究背景及動機或效益)
- Introduction (引言)
- Experimental design (實驗設計)
- Experimental results (實驗結果)
- Project summary & Future work (結論及未來展望)
- Reference (引用文獻)



複賽/決賽簡報檔

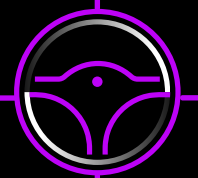
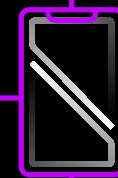
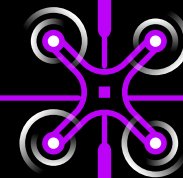
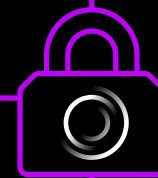
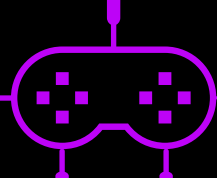
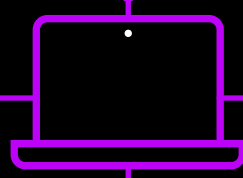
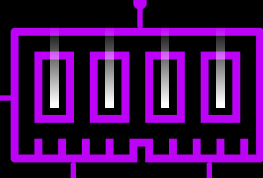
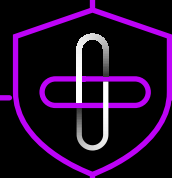
確定晉級後，同學可以自由進行簡報調整架構、頁數、格式均不受限。



獎項與獎金

MIMORY AWARDS

獎項名稱	先進製程 技術開發組	新世代半導體 應用材料組	元件設計開發組	半導體 生產製造組
 金光獎	NT 100,000 /組			
 銀光獎	NT 50,000 /組			
 優秀獎	NT 20,000 /組			

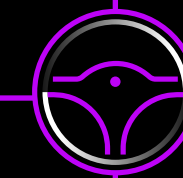
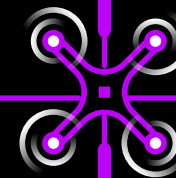
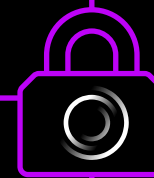
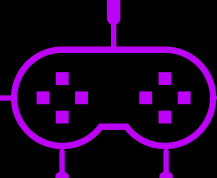
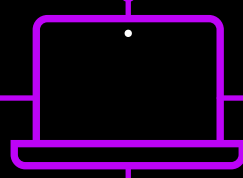
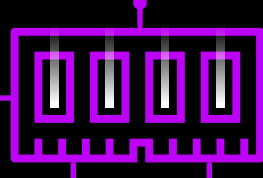
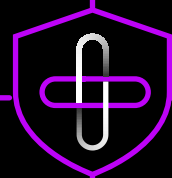


Q1.

在投稿比賽時，有操作上的問題或繳交作品時遇到了無法投稿的狀況怎麼辦？

A:

遇到系統問題時，需將當下有問題之畫面截圖，切記要將截圖畫面在投稿截止前以Email的方式傳送至客服信箱：tw_university@micron.com，並簡述狀況的發生過程，我們將協助您解決系統問題並完成投稿。



Q2.

比賽投稿時間已截止，是否可以使用其他方式做補件？

A:

比賽的投稿及審核等時程皆會在比賽規範詳細寫出，如截止時間已到，為表示公平性恕無法額外提供管道收取參賽作品。



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