

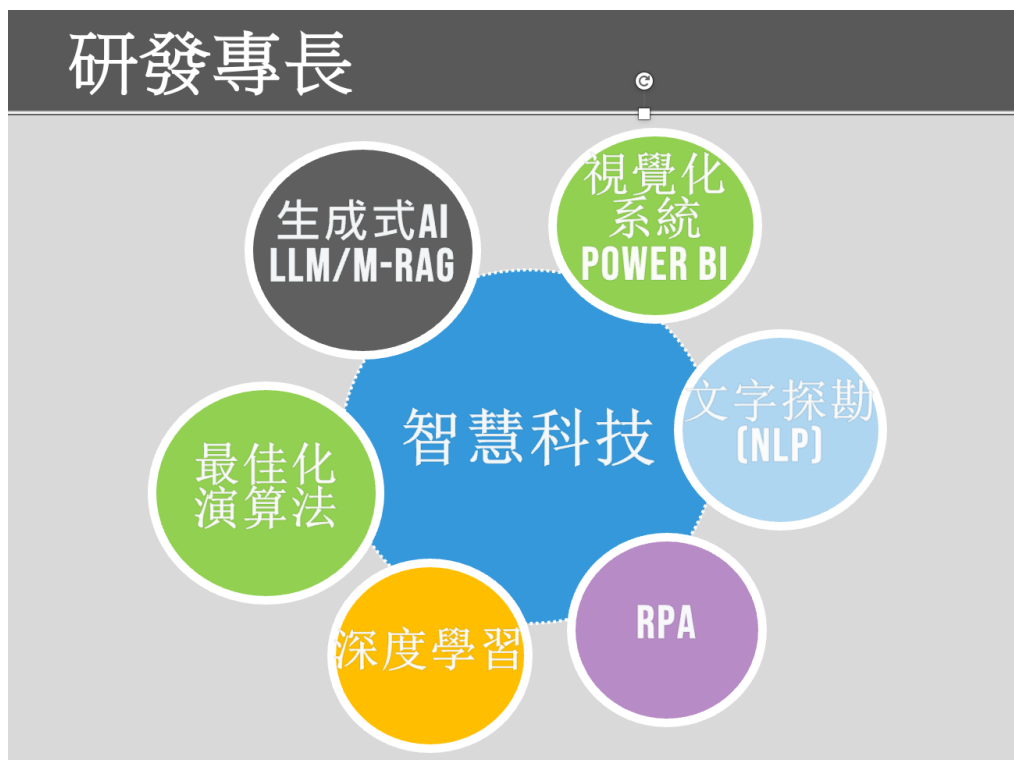
邱昭彰 教授 個人資料

Email: 101chiu@gmail.com / Tel: 03-4638800 ext 2601/2602

一、個人基本資料

學歷：	美國馬里蘭大學	資訊系統	博士
	美國亞利桑那州立大學	決策科技系統	碩士
	國立清華大學	數學系	學士

二、研發專長 & 校外產學服務



校外產學服務	
評鑑委員	* 大學校務評鑑 委員 (逢甲/文化) * 大學暨科大系所評鑑 委員 (北大/東海/銘傳/真理/勤益/樹德...) * 校外系所自評 委員 (暨南/警大/開南/虎尾...)
產業參與	* 創宇航太科技顧問 * 榮成紙業董事 * 上海集商網絡86Links首席大數據/AI顧問 * SuperPoll Inc. BI顧問
學術團體	* 中華民國數位內容學會 理事 * 中華企業資源規劃學會 理事 * 經濟部PKI互通管理及推計畫審查 委員 * 台灣省政府衛生處經營專業管理 顧問

獲獎與榮譽

✓ 獲頒元智大學研究傑出獎

✓ 榮獲行政院服務品質獎

✓ 中華民國醫療品質協會--醫療品質促進優良案例特優獎



✓ 經濟部商業司優化商業標竿案例

✓ 台灣作業研究學會大學院校專題競賽第三名&佳作

✓ 獲頒元智大學校務研究(IR)亮點計劃

鏈結外部

產學合作與顧問諮詢



遠東聯合核能總管理處



徐元智先生紀念基金會



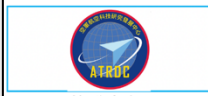
亞洲水泥



遠傳電信



嘉惠電廠



航發中心



中科院



工研院



資策會



衛生桃園醫院



中央健保局



饗食天堂



佳能企業



鬍鬚張



衛生福利部桃園療養院



東佑包裝企業有限公司
TUNG YAO PACKING CO., LTD.



國興資訊股份有限公司
Knowledge and Service Information Corp.



聯融智慧股份有限公司
UNITED FINANCIAL INTELLIGENCE



巨安長齡
JuAn Long-Age



衛生福利部豐原醫院
FENG YUAN HOSPITAL



中砂
KINIK



立法院
Legislative Yuan R.O.C. (Taiwan)



遠東新世紀
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台灣電力公司
TAIWAN POWER COMPANY



台灣電力公司綜合研究所
Taiwan Power Research Institute
Taiwan Power Company

生成式 AI 創新實驗室 Generative AI Innovation(GAI) Lab.

TEL : (03)4638800 Ext. 2617, 2618, 2619 ext. 5071

我們的使命 Mission

以生成式 AI 技術落地為核心，結合產業需求與研究能量，推動人工智慧在企業中的廣泛應用，打造更智慧、更安全、更具競爭力的數位未來。

Centered on the practical implementation of generative AI technology, we integrate industry needs with research capabilities to drive the widespread adoption of artificial intelligence in enterprises, creating a smarter, safer, and more competitive digital future.

指導教授 Supervisor

邱昭彰 教授

Prof. Chaochang Chiu
101chiu@gmail.com



研究領域 Research Directions

生成式 AI Generative AI

智能客服系統 Multi-Modal RAG

預測及最佳化演算技術 Predictive & Optimization Algorithms

研究與應用成果 Research and Application Achievements

多語言即時語音翻譯系統 - 針對國際化企業需求，開發支援多國語言的即時語音翻譯平台，應用於跨國會議、客戶服務與全球營運。

企業文件智慧查詢系統 (RAG) - 建立以檢索增強生成技術為核心的文件查詢平台，快速搜尋並生成精準答案，提升企業知識檢索效率。

智能客服系統 (文字與語音對話) - 開發 24/7 全天候 AI 客服機器人，支援自然語言理解、即時語音回覆，協助企業優化服務體驗。

LLM/VLM 微調 (Fine-tuning) 平台 - 提供地端化客製化訓練能力，協助企業依據自身資料快速優化模型，強化語言與視覺任務表現。

AI 視覺辨識與智慧防護 - 將電腦視覺技術應用於環境防護，例如結合感測與驅離裝置，有效降低有害動物入侵農業或產業場域的風險。

Multilingual Real-Time Speech Translation System – Developed to meet the needs of global enterprises, this platform supports real-time translation across multiple languages, enabling smooth communication in international conferences, customer service, and global operations.

Intelligent Enterprise Document Query System (RAG) – Built on retrieval-augmented generation technology, this system enables fast document search and precise answer generation, enhancing enterprise knowledge retrieval efficiency.

AI Customer Service System (Text & Voice Chat) – A 24/7 AI-powered customer service bot that supports natural language understanding and real-time voice responses, helping businesses optimize their service experience.

LLM/VLM Fine-Tuning Platform – Provides on-premise, customized training capabilities, enabling enterprises to quickly optimize models with their own data, thereby improving performance in language and vision tasks.

AI Vision Recognition & Smart Protection – Applies computer vision to environmental protection, integrating with sensors and deterrent devices to effectively reduce the risk of harmful animal intrusions into agricultural or industrial sites.

合作廠商 Industry-Academic Cooperation Company

群聯電子、遠東新世紀、遠傳電信、中華電信、中國砂輪、連展科技、嘉惠電廠、亞洲水泥、饗食天堂、鬍鬚張、資策會、工研院、航發中心、中科院。



工業技術研究院
Industrial Technology
Research Institute



PHISON
群聯電子股份有限公司



中華電信



財團法人資訊工業策進會
INSTITUTE FOR INFORMATION INDUSTRY



三、著作、作品及發明目錄

期刊發表：

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2. Fong-Ching Yuan, Chao-Hui Lee, Chaochang Chiu (2020, Feb). Using Market Sentiment Analysis and Genetic Algorithm-Based Least Squares Support Vector Regression to Predict Gold Prices (SCI). International Journal of Computational Intelligence Systems, Volume 13(1), Feb. 2020, 234-246.
3. Chi-I Hsu, Shelly P. J. Wu, Chaochang Chiu (2019, Apr). A Hybrid Swarm Intelligence Approach for Blog Success Prediction. International Journal of Computational Intelligence Systems, 12(2), 571-579. (SCI, 68/134, computer science, artificial intelligence). MOST 104-2410-h-155-029-my2. 本人為通訊作
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三、學術獎勵及榮譽事蹟

學術計畫

1	114	國科會	從新聞到交易：利用大型語言模型進行基於強化學習的股票交易模型(113-2410-H-155-034-)	20240801~20250731	計畫主持人
2	113	國科會	深度學習演算技術與船舶自動識別系統數據於近港海域船舶密度預測之研究(112-2221-E-155-018-)	20230801~20240731	計畫主持人
3	112	國科會	自動問答技術協助長照與保健知識之獲取(111-2410-H-155-009-)	20220801~20230731	計畫主持人
4	111	國科會	Klwl 語言模型 - 整合圖像之知識資訊於文本生成之多模態遷移學習研究(110-2635-E-424-001-)	20210801~20220731	共同計畫主持人
5	110	國科會	結合 BERT 深度學習技術與社群網絡分析方法探索社群媒體與新聞媒體之關聯性分析 109-2410-H-155-023-	20200801~20210731	計畫主持人
6	109-107	國科會	混合式 TextRank/GA 之關鍵詞萃取技術在輿情分析並結合交叉查榜大數據於考生選填行為之研究 107-2410-H-155-024-MY2	20180801~20200731	計畫主持人
7	106	國科會	以線上評論分析探索遊戲應用程式之生命週期 106-2410-H-155-017-	20170801~20180731	計畫主持人
8	105	國科會	監督式潛在狄利克里分配演算法在手機應用程式之評價探勘 105-2410-H-424-004-	20160801~20170731	共同主持人
9	104	國科會	以關聯網絡分析探討虛擬社群對於大專院校形象之影響 104-2410-H-155-019-	20150801~20160731	共同主持人
10	106-104	國科會	利用社群媒體分析以探索商業服務內涵及偵測潛在客戶流失：以電信業網路言論為例 104-2410-H-155-029-MY2	20150801~20171231	計畫主持人
11	103	國科會	影響使用者下載遊戲 App 的評選因素分析與意見探勘 103-2410-H-424-016-	20140801~20150731	共同主持人
12	104-102	國科會	結合議題分類與改良式潛在語意技術在發展網路問答機制的研究 102-2410-H-155-035-MY2	20130801~20150731	計畫主持人
13	102-099	國科會	網路顧客情報整合及行銷服務：資訊擷取、文本分析、模式建構與系統評估 99-2410-H-155-036-MY3	20100801~20130731	計畫主持人
14	099-096	國科會	電子化服務與價值創造--子計畫七：電子化服務客戶目標行銷與廣告組合最適化的研究 96-2416-H-155-004-MY3	20070801~20100731	計畫主持人

15	095	國科會	結合預測與最適化搜尋技術在奈米碳管合成製程最佳化之研究 95-2416-H-155-027-	20060801~20070731	計畫主持人
16	094	國科會	改良式基因演算技術在建構演化樹最佳化的應用 94-2416-H-155-014-	20050801~20060731	計畫主持人
17	094	國科會	印刷電路板生產規劃決策支援系統之開發-子計畫二:印刷電路板產品組合最佳化規劃(3/3)94-2213-E-155-004-	20050801~20060731	計畫主持人
18	093	國科會	結合關聯歸規則與限制式演化式計算於問題診斷分類樹之挖掘 93-2416-H-155-013-	20040801~20050731	計畫主持人
19	093	國科會	印刷電路板生產規劃決策支援系統之開發-子計畫二:印刷電路板產品組合最佳化規劃(2/3)93-2213-E-155-017-	20040801~20050731	計畫主持人
20	092	國科會	印刷電路板生產規劃決策支援系統之開發-子計畫二:印刷電路板產品組合最佳化規劃(1/3)92-2213-E-155-055-	20030801~20040731	計畫主持人
21	092	國防科技研究計畫	國軍重要武器裝備線上智慧型保修之開發與建置-智慧型保修系統資料蒐集取樣與傳輸規劃模式的研究 92-2623-7-155-011-	20030101~20031231	計畫主持人
22	091	國科會	基因演算結合涵蓋演算法應用在資料切割以產生規則(II)91-2213-E-155-015-	20020801~20030731	計畫主持人
23	091	國防科技研究計畫	故障診斷除錯專家決策輔助系統之開發 91-2623-7-155-013-	20020101~20021231	計畫主持人
24	090	國科會	整合基因演算法與決策樹於飛行降落模式之建構 90-2218-E-155-009-	20010801~20020731	計畫主持人
25	089	國科會	遞迴式切割與基因演算混合法在決策樹自動建構上之研究 89-2416-H-155-056-	20000801~20010731	計畫主持人
26	089	國科會	動態基因規劃 89-2416-H-155-015-	19990801~20000731	計畫主持人
27	089	國防科技研究計畫	利用動態基因規劃法建構飛機結構負載模式 89-2623-7-155-004-	20000701~20001231	計畫主持人
28	089	國防科技研究計畫	基因工程演算法則應用於飛機結構負載歷程之分析 89-2623-D-155-005-	19990701~20000630	計畫主持人
29	088	專題研究計畫	GA-Fuzzy 專家系統在證券投資決策之輔助應用 88-2416-H-155-019-	19980801~19990731	計畫主持人
30	088	國防科技研究計畫	非破壞檢測專家系統推理機構之開發 88-2623-D-155-003-	19980701~19990630	計畫主持人
31	086	國科會	應用案例為基礎之推理方法於財務決策支援 86-2416-H-155-002-	19960801~19970731	計畫主持人

32	085	國科會	探討使用者解決問題之能力模式以有效提升決策支援 85-2416-H-155-002-	19950801~ 19960731	計畫主持人
33	084	國科會	電腦教學系統中即時擷取始用者之電腦相關知識 84-2511-S-155-001-CL	19940801~ 19950731	計畫主持人
34	083	國科會	電腦教學系統中即時擷取始用者之電腦相關知識 83-0111-S-155-003-CL	19940401~ 19941115	計畫主持人

產學計畫

計 畫 名 稱	民國 (年)	支持單位
1. AI 驅動文本及語音處理系統開發	1140315- 1140915	中砂集團
2. 智慧同業情報蒐集與智能文件查詢平台之開發(I)	1131201- 1140630	遠東新世紀
3. 生成式 AI 創新應用之顧問服務	1120501- 1121231	連展投資控股
4. 智慧稽核之異質性數據平台再工程與作業效能之優化	1090815- 1100131	遠東新世紀-稽核總部
5. 應用機器學習在燃氣渦輪發動(GT)啟機異常預警模式之建構	1090415- 1091231	嘉惠電力
6. 智慧稽核與大數據分析顧問諮詢	1081201- 1090830	遠東新世紀-稽核總部
7. 工業大數據分析應用技術	1080401- 1081130	工研院
8. 大數據運用於設備運轉及故障模式分析(I)	1071201- 1080731	嘉惠電力
9. AI/大數據分析之教育訓練與顧問諮詢計畫	1071101- 10805130	遠東新世紀
10. 高耗能產業製程節能分析技術	1070323- 1071130	工研院
11. 大數據分析技術與應用案例介紹之教育訓練課程	1060401- 1060730	遠東新世紀
12. 以使用者行為模式為基礎之企業文件內容需求預測技術	1020601- 1021130	資策會
13. 商業智慧之技術與案例分析	1020401- 1021220	資策會
14. 恆溫箱失效模型建構與評估實驗方法設計	1020403- 1041210	工研院
15. 生產線排程優化規劃	1000801- 1011231	佳能企業
16. 中式速食之虛實整合智慧點餐服務發展計畫	990414- 1011130	鬍鬚張
17. 饗樂主義智慧餐飲商業網絡計畫	1000215- 1010215	饗賓餐旅事業
18. 經營輔助情報系統建置規劃與智慧型決策分析模式技術發展 〈主持人〉	941221- 951220	中央健保局

19. 智慧型維修系統專利檢索分析與佈局研究〈主持人〉	940901-951231	工研院
20. 我國 PKI 應用之績效評量指標研究及市調報告〈主持人〉	940221-941120	工研院
21. 人工智慧與專家系統在設備失效診斷的技術應用〈主持人〉	930401-931231	工研院
22. 學習型醫院推動專案—顧客管理網路〈主持人〉	901215-911130	衛生署彰化醫院
23. 智慧型保修系統〈共同主持人〉	910405-911231	中山科學研究院
24. 智慧型保修系統-超高壓電源系統迴路之遠端監控器之製作研究〈共同主持人〉	900521-901130	中山科學研究院
25. 九十年度全面品質經營活動計畫〈共同主人〉	900401-901130	署立桃園醫院
26. 遠傳電信客戶關係管理系統專案補助〈主持人〉	890901-891201	遠傳電信公司
27. 推動全面品質管理計畫〈主持人〉	881016-890830	行政院衛生署桃園療養院
28. 全面品質經營計畫〈共同主持人〉	870901-880531	行政院衛生署八里療養院
29. 全面品質經營計畫〈共同主持人〉	870901-880430	行政院衛生署省立桃園醫院
30. 應用混合型模糊控制技術於水泥製程最佳化〈共同主人〉	881115-890515	亞洲水泥公司
31. 業務統計，管理統計與績效評核系統整合〈共同主持人〉	880301-881225	中央健保局
32. 建立區域整體資源規劃資料庫先期研究〈主持人〉	880101-880630	台灣電力股份有限公司