

國立勤益科技大學講座推薦表

申請日期：111 年 3 月 25 日

推薦單位 (校長推薦由秘書室辦理)		推薦層級	☒ 系(自薦) ☐ 院 ☐ 校長
被推薦(自薦)人 姓名	林正堅	教授證號	教字第014102號
專長領域	人工智慧 智慧製造 影像辨識	教授年資起 算日	94 年 2 月 1 日
現職	講座教授		
推薦講座種類	☒ 專任講座 ☐ 專職講座 ☐ 兼職講座 ☐ 榮譽講座	校長推薦時 擬設置單位	

資格條件(本校講座設置辦法第3條第1項所列8款,請勾選其中之一):

☐一、諾貝爾獎得獎人。
 獲獎年度: _____(西元)年,獲獎種類: ☐物理 ☐化學
☐生理學或醫學 ☐文學 ☐和平。

☐二、中央研究院院士或國際知名之國家級院士。
 名稱: _____,獲獎年度_____年(西元)。

☐三、曾獲總統科學獎或行政院傑出科技貢獻獎者。
 獲獎年度: _____年(民國)。

☐四、曾獲得教育部學術獎或國家講座者。
 名稱: _____,獲獎年度_____年(民國)。

☐五、曾獲國際著名大學之講座教授。
 大學名稱: _____,獲聘年度_____年(西元)。

☐六、曾獲得國內外重要學術獎勵者。
 獎勵名稱: _____,獲獎年度_____年(西元)。

☒七、重要國際學會會(院)士。
 重要學會名稱: IET Fellow,獲聘年度2016(西元)。

☐八、在學術上或專業領域上有傑出貢獻或聲望卓著者。

檢附資料：

一、符合上述資格條件一至三款其中之一者：

(一)學經歷(具5年以上合格教授證書) (二)近5年著作目錄(自行表列)

(三)具體學術成就證明(獲獎證明文件)

二、符合上述資格條件第四款至第八款其中之一者，除上述資料外，請依所推薦講座之種類，檢附下列資料，由推薦單位會辦研究發展處認定，其認定基準見附註。

(一)■專任講座：下列各款擇一提列並勾選

1. ■前一年度以本校名義為第一作者或通訊作者發表 SCI 等級論文12篇以上(其中名列第1作者篇數應達6篇以上)。

2. □產學合作計畫、中央各部會計畫(含有行政管理費)、以本校名義進行之技術移轉金(技轉金績效不得重複認列)任計畫主持人之計畫金額採計，其前一年度計畫金額累計至少應達新台幣1,200萬元以上。

(二)□專職講座：下列各款擇一提列並勾選

1. □前一年度為第一作者或通訊作者發表或接受 SCI 等級論文12篇以上(其中名列第一作者篇數應達6篇以上)。

2. □產學合作計畫、中央各部會計畫(含有行政管理費)、技術移轉金(技轉金績效不得重複認列)任計畫主持人之計畫金額採計，其前一年度計畫金額累計至少應達新台幣1,200萬元以上。

(三)□兼任講座：

□首次推薦：前一年度為第一作者或通訊作者發表或接受 SCI 等級論文6篇以上(其中名列第一作者篇數應達4篇以上)。

□再次推薦：前一年度為第一作者或通訊作者發表或接受 SCI 等級論文6篇以上(其中名列第一作者篇數應達4篇以上且至少須有2篇以本校名義發表)。

履行義務具體說明

(依講座設置辦法第8條規定，續聘時填列，新推薦者免填)

一、聘任期間：110年8月1日至111年7月31日，每學年至少一次校內演講，聘期內共辦理 1 次，辦理日期如下：

已於111年3月12日完成校內演講，演講題目為「行動機器人之導航控制」

二、兼任講座授除上述演講外，並輔導本校特色發展專案計畫，名稱如下：

申請推薦人簽名： 林正堅 (※由推薦單位主動推薦者，免填)

推薦單位主管	研究發展處
經查被推薦人具講座設置辦法第3條所定積極資格且未具同條所定消極資格，被推薦案件審理期間如經檢舉查證有消極資格情事屬實願撤回推薦，絕無異議。	☒ 本案依講座設置辦法第3條之積極資格條件認定合格。 ☐ 本案認定不符合。原因：_____
資訊工程系主任 楊勝智 電資學院代理院長 楊勝智 (由系所推薦時，仍請送所屬學院院長核章)	校務基金運用行政專員 王詩欣 研究發展處學術發展組組長 陳凱榮 111. 4. 06 研究發展處處長 黃慶良

人事室 ☐ 本案屬講座設置辦法第3條第1項第1款至第3款其中之一，奉核後聘任，並於校教評會列入工作報告備查。 ☒ 本案屬講座設置辦法第3條第1項第4款至第8款其中之一。 人事室尹光明 04/12 人事室鍾家政 04/12		校長核示 ☐ 屬講座設置辦法第3條第1項第1款至第3款其中之一，逕行聘任，並送校教評會備查。 ☒ 屬講座設置辦法第3條第1項第4款至第8款其中之一，提相關會議審議。 2022.04.13
系教評會 (院、校級推薦，免填)	111 年 4 月 27 日 110 學年度 2 學期 5 次教評會審議通過(附會議紀錄)。 召集人核章： 資訊工程系 楊勝智 主任	
學院教評會 (校級推薦，免填)	111 年 5 月 11 日 110 學年度 2 學期 2 次教評會審議通過(附會議紀錄)。 召集人核章： 電資學院 楊勝智 代理院長 111.5.12	
校教評會	年 月 日 學年度 學期 次教評會審議通過(附會議紀錄)。 召集人核章：	
校長核定聘任		

附註1. 依本校講座設置辦法第3條第4項、第5項規定如下：

第3條第4項：有關 SCI 論文與第一作者及通訊作者定義列述如下：

- 一、SCI等級論文：須發表論文於SSCI、SCI、SCIE、A&HCI收錄 期刊(不含收錄於前述資料庫之研討會論文，如Conference article、Proceedings、Book series、Lecture notes及Editorial Material等)，且以申請表所附資料庫ISI查詢網址中明列之發表日期(須有完整期數與頁碼)為判斷依據，須符合該論文收錄至Web of Science(或該期刊持續收錄至Web of Science)且該期刊可於JCR資料庫檢索。
- 二、講座教授本人須為論文之第一作者或通訊作者；第一作者，以獨立創作發表或共同合著發表時依論文排版之作者群排序名列最上方、最左方算起第一名認列之；通訊作者則應符合：(一)以名列作者群前三名為限；(二)通訊作者二名以上，應為自左方算起第一位始得認列之。同篇期刊論文僅能由一位教師提出申請，且每篇期刊論文限申請一次，如通訊作者標示不清，請提供接受函或與編輯者通信證明。

第3條第5項：產學合作計畫、中央各部會計畫(含有行政管理費)、以本校名義進行之技術移轉金(技轉金績效不得重複認列)任計畫主持人之計畫，其金額採計不含校補助款，並以結案日期為主(計畫展延期間不予採計)。

附註2. 依校教評會109年7月15日決議，專任講座之被推薦人於109年7月以前(1月1日至7月31日)產出之績效條件，仍按109年7月9日發布實施前之原設置辦法規定採計，109年8月以後之績效，則按現行已發布實施之新規定採計。

國立勤益科技大學講座教授校內演講成果紀錄

活動名稱	110 學年度林正堅講座教授校內演講
活動地點	工程館 4 樓 E437 會議室
活動日期	111 年 3 月 12 日 / 11 時 00 分 ~ 12 時 40 分
活動性質	☐ 國際性 ☐ 全國性 ☒ 全校性 ☐ 院際性 ☐ 系際性 (請勾選)
活動種類	☐ 會議 ☐ 座談 ☐ 培訓 ☒ 演講 ☐ 競賽 ☐ 藝術展演 (請勾選) ☐ 其他_____ (請填寫)
活動說明	演講題目：行動機器人之導航控制 演講者：資訊工程系林正堅講座教授
執行情況	執行情況良好
自評報告	執行情況良好
活動成果 附件	

申請績效內容表列(請檢附佐證)

一、SCI 期刊(若欄位不足，請自行增加)

編號	作者屬性	合著者依序詳列所有作者(通訊請以*1、*2加註)	發表年/月	論文名稱	期刊名稱	卷數vol	期數no	頁碼	論文屬性	研發處核符註記	備註
1	☐ 第一作者 ☒ 通訊作者	C.-H. Lin, <u>C.-J. Lin*</u> , Y.-C. Li and S.-H. Wang	110 年 1 月	Using Generative Adversarial Networks and Parameter Optimization of Convolutional Neural Networks for Lung Tumor Classification	Applied Sciences	11	2	480; https://doi.org/10.3390/app11020480	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
2	☐ 第一作者 ☒ 通訊作者	B. Zhang, R. Tan, and <u>C.-J. Lin*</u>	110 年 1 月	Forecasting of E-commerce Transaction Volume using a Hybrid of Extreme Learning Machine and Improved Moth-flame Optimization Algorithm	Applied Intelligence	51	2	952–965	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
3	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> , S.-Y. Jeng, and C.-L. Lee	110 年 1 月	Hyperparameter Optimization of Deep Learning Networks for Classification of Breast Histopathology Images	Sensors and Materials	33	1	315–325	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	

4	☐ 第一作者 ☒ 通訊作者	C.-H. Chen, C.-J. Lin* , S.-Y. Jeng, H.-Y. Lin and C.-Y. Yu	110 年 2 月	Using Ultrasonic Sensors and a Knowledge-Based Neural Fuzzy Controller for Mobile Robot Navigation Control	Electronics	10	4	466; https://doi.org/10.3390/electronics1040466	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
5	☒ 第一作者 ☒ 通訊作者	C.-J. Lin* , C.-H. Lin, and S.-H. Wang	110 年 3 月	Integrated Image Sensor and Light Convolutional Neural Network for Image Classification	Mathematical Problems in Engineering	2021	0	https://doi.org/10.1155/2021/5573031	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
6	☒ 第一作者 ☒ 通訊作者	C.-J. Lin* , C.-H. Lin, and S.-H. Wang	110 年 5 月	Using Fuzzy Control for Feed Rate Scheduling of Computer Numerical Control Machine Tools	Applied Sciences	11	10	4701; https://doi.org/10.3390/app11104701	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
7	☐ 第一作者 ☒ 通訊作者	C.-H. Lin, C.-J. Lin* , and S.-H. Wang	110 年 6 月	Genetic-algorithm-based Local Binary Convolutional Neural Network for Gender Recognition	Sensors and Materials	33	6	1917–1927	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	

8	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> , J.-Y. Jhang, S.-Z. Huang, and M.-Y. Tsai	110 年 6 月	Surface Roughness Prediction and Parameter Selection for CNC Grinding Process	Sensors and Materials	33	6	1929 - 1944	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
9	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> and J.-Y. Jhang	110 年 6 月	Bearing Fault Diagnosis Using a Grad-CAM-Based Convolutional Neuro-Fuzzy Network	Mathematics	9	13	1502 ; https://doi.org/10.3390/math9131502	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
10	☐ 第一作者 ☒ 通訊作者	H.-Y. Lin, <u>C.-J. Lin*</u> , S.-Y. Jeng, and C.-Y. Yu	110 年 8 月	Integrated Image Sensor and Hyperparameter Optimization of Convolutional Neural Network for Facial Skin Detection	Sensors and Materials	33	8	2911 - 2924	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
11	☐ 第一作者 ☒ 通訊作者	C.-H. Shih, <u>C.-J. Lin*</u> , and S.-Y. Jeng	110 年 8 月	Improved Rapid Automatic Keyword Extraction for Voice-based Mechanical Arm Control	Sensors and Materials	33	8	2897 - 2909	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
12	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> and C.-H. Lin	110 年 8 月	Using an Improved Differential Evolution for Scheduling Optimization of	Mathematics	9	16	2016 ; https://doi.org	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	

				Dual-gantry Multi-head Surface Mount Placement Machine				/10.3 390/ math 9162 0161 3			
13	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> and C.-W. Lin	<u>110</u> 年 <u>10</u> 月	Using Three-dimensional Convolutional Neural Networks for Alzheimer's Disease Diagnosis	Sensors and Materials	33	10(1)	3399 - 3413	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
14	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> and C.-H. Lin	<u>110</u> 年 <u>10</u> 月	Component Placement Process Optimization for Multi-head Surface Mounting Machine Using a Hybrid Algorithm	Sensors and Materials	33	10(2)	3529 - 3545	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	
15	☒ 第一作者 ☒ 通訊作者	<u>C.-J. Lin*</u> , S.-Y. Jeng, and H.-W. Lioa	<u>110</u> 年 <u>11</u> 月	A Real-time Vehicle Counting, Speed Estimation, and Classification System Based on Virtual Detection Zone and YOLO,” Vol., Nov. 2021, Article ID	Mathematical Problems in Engineering	2021	。	https://doi.org/10.1155/2021/1577614	☐ SSCI ☐ SCI ☒ SCIE ☐ A&HCI	核 符	



The Institution of Engineering and Technology

Founded 1871 Incorporated by Royal Charter 1921

This is to certify that on

14 September 2016

Professor Cheng-Jian Lin

was elected to

Fellow

of the Institution of Engineering and Technology



President

Member of the Board of Trustees

Chief Executive and Secretary

教授證書

教字第〇一四一〇二號



姓名：林正堅

身分證字號：M120152220

出生年月日：伍拾貳年壹拾月壹拾壹日

年資起算：玖拾肆年貳月

送審學校：朝陽科技大學

經本部依專科以上學校教
師資格審定辦法審定合於
教授資格此證

教育部部長

杜正勝



中華民國玖拾肆年柒月壹日

【近五年期刊論文發表】

(*表示通訊作者)

- [1] **C.-J. Lin***, J.-Y. Jhang, and S.-H. Chen (2022) "Tool Wear Prediction Using a Hybrid of Tool Chip Image and Evolutionary Fuzzy Neural Network," Accepted to appear in *The International Journal of Advanced Manufacturing Technology*. (SCI)
- [2] **C.-J. Lin*** and J.-Y. Jhang (2022) "Intelligent Traffic-Monitoring System Based on YOLO and Convolutional Fuzzy Neural Networks" *IEEE Access*, Vol. 10, Jan. 2022, pp. 14120 – 14133. DOI: 10.1109/ACCESS.2022.3147866. (SCI)
- [3] **C.-J. Lin***, C.-C. Chuang, H.-Y. Lin (2022) "Edge-AI-Based Real-Time Automated License Plate Recognition System," *Applied Sciences*, Vol. 12, Issue 3, Jan. 2022, pp. 1445; <https://doi.org/10.3390/app12031445>. (SCI)
- [4] **C.-J. Lin***, Y.-C. Liu, and C.-L. Lee (2022) "Automatic Receipt Recognition System Based on Artificial Intelligence Technology," *Applied Sciences*, Vol. 12, Issue 2, Jan. 2022, pp. 853; <https://doi.org/10.3390/app12020853>. (SCI)
- [5] C.-H. Chen, S.-Y. Jeng, and **C.-J. Lin*** (2022) "Fuzzy Logic Controller for Automating Electrical Conductivity and pH in Hydroponic Cultivation," *Applied Sciences*, Vol. 12, Issue 1, Jan. 2022, pp. 405; <https://doi.org/10.3390/app12010405>. (SCI)
- [6] **C.-J. Lin***, S.-Y. Jeng, and H.-W. Lioa (2021) "A Real-time Vehicle Counting, Speed Estimation, and Classification System Based on Virtual Detection Zone and YOLO," *Mathematical Problems in Engineering*, Vol. 2021, Nov. 2021, |Article ID 1577614; <https://doi.org/10.1155/2021/1577614>. (SCI)
- [7] **C.-J. Lin*** and C.-H. Lin (2021) "Component Placement Process Optimization for Multi-head Surface Mounting Machine Using a Hybrid Algorithm," *Sensors and Materials*, Vol. 33, No. 10(2), Oct. 2021, pp. 3529–3545. (SCI)
- [8] **C.-J. Lin*** and C.-W. Lin (2021) "Using Three-dimensional Convolutional Neural Networks for Alzheimer's Disease Diagnosis," *Sensors and Materials*, Vol. 33, No. 10(1), Oct. 2021, pp. 3399–3413. (SCI)
- [9] **C.-J. Lin*** and C.-H. Lin (2021) "Using an Improved Differential Evolution for Scheduling Optimization of Dual-gantry Multi-head Surface Mount Placement Machine," *Mathematics*, Vol. 9, Issue 16, August 2021, pp. 2016; <https://doi.org/10.3390/math916201613>. (SCI)

- [10] C.-H. Shih, **C.-J. Lin***, and S.-Y. Jeng (2021) "Improved Rapid Automatic Keyword Extraction for Voice-based Mechanical Arm Control," *Sensors and Materials*, Vol. 33, No. 8, August 2021, pp. 2897-2909. (SCI)
- [11] H.-Y. Lin, **C.-J. Lin***, S.-Y. Jeng, and C.-Y. Yu (2021) "Integrated Image Sensor and Hyperparameter Optimization of Convolutional Neural Network for Facial Skin Detection," *Sensors and Materials*, Vol. 33, No. 8, August 2021, pp. 2911-2924. (SCI)
- [12] **C.-J. Lin*** and J.-Y. Jhang (2021) "Bearing Fault Diagnosis Using a Grad-CAM-Based Convolutional Neuro-Fuzzy Network," *Mathematics*, Vol. 9, Issue 13, June 2021, pp.1502; <https://doi.org/10.3390/math9131502>. (SCI)
- [13] **C.-J. Lin***, J.-Y. Jhang, S.-Z. Huang, and M.-Y. Tsai (2021) "Surface Roughness Prediction and Parameter Selection for CNC Grinding Process," *Sensors and Materials*, Vol. 33, No. 6, June 2021, pp. 1929-1944, <https://doi.org/10.18494/SAM.2021.3269>. (SCI)
- [14] C.-H. Lin, **C.-J. Lin***, and S.-H. Wang (2021) "Genetic-algorithm-based Local Binary Convolutional Neural Network for Gender Recognition," *Sensors and Materials*, Vol. 33, No. 6, June 2021, pp. 1917–1927, <https://doi.org/10.18494/SAM.2021.3268>. (SCI)
- [15] **C.-J. Lin***, C.-H. Lin, and S.-H. Wang (2021) "Using Fuzzy Control for Feed Rate Scheduling of Computer Numerical Control Machine Tools," *Applied Sciences*, Vol. 11, Issue 10, May 2021, pp. 4701; <https://doi.org/10.3390/app11104701>. (SCI).
- [16] **C.-J. Lin***, C.-H. Lin, and S.-H. Wang (2021) "Integrated Image Sensor and Light Convolutional Neural Network for Image Classification", *Mathematical Problems in Engineering*, Vol. 2021, March 2021, Article ID 5573031, <https://doi.org/10.1155/2021/5573031>. (SCI)
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