

Publications

1. **Sheng-Min Chiu**, Yow-Shin Liou, Yi-Chung Chen, Chiang Lee, Rong-Kang Shang, Tzu-Yin Chang, and Roger Zimmermann, "Universal Transfer Framework for Urban Spatio-Temporal Knowledge Based on Radial Basis Function," accepted by *IEEE Transactions on Artificial Intelligence*, 2024.

 2. **Sheng-Min Chiu**, Yi-Chung Chen, Cheng-Ju Kuo, Li-Chun Hung, Min-Hsiung Hung, Chao-Chun Chen, and Chiang Lee, "Development of Lightweight RBF-DRNN and Automated Framework for CNC Tool-Wear Prediction," *IEEE Transactions on Instrumentation and Measurement*, Vol. 71, Article 2506711, 2022. (SCIE 2023Q1, IF:5.6, RF: Instruments & Instrumentation 7/76)

 3. **Sheng-Min Chiu**, Yow-Shin Liou, Yi-Chung Chen, Chiang Lee, Rong-Kang Shang, and Tzu-Yin Chang, "Identifying Key Grid Cells for Crowd Flow Predictions Based on CNN-based Models with the Grad-CAM Kit," *Applied Intelligence*, 2022. (SCIE 2023Q2, IF:3.4, RF: Computer Science, Artificial Intelligence 78/197)

 4. **Sheng-Min Chiu**, Yi-Chung Chen, and Chiang Lee, "Estate Price Prediction System Based on Temporal and Spatial Features and Lightweight Deep Learning Model," *Applied Intelligence*, 2021. (SCIE 2023Q2, IF:3.4, RF: Computer Science, Artificial Intelligence 78/197)

 5. Yi-Chung Chen, Hsi-Ho Huang, **Sheng-Min Chiu**, and Chiang Lee, "Joint Promotion Partner Recommendation Systems Using Data from Location-Based Social Networks," *ISPRS International Journal of Geo-Information*, vol. 10, no. 1, Article 57, 2021. (SCIE 2023Q2, IF:2.8, RF: Computer Science, Information Systems 105/249)

 6. Hua-Hong Huang, **Sheng-Min Chiu**, Yi-Chung Chen, and Chiang Lee, "Group Trip Recommendation Systems," *Advances in Information and Communication Networks*, vol. 886, pp. 391-412, 2019-1. (EI)

 1. Ting-Hsuan Chang, **Sheng-Min Chiu**, Yi-Chung Chen and Chiang Lee, "Using spatial, temporal, and external factors to enhance prediction of shared-transport users," *Multidisciplinary International Social Networks Conference (MISNC)*, 2022-10, Matsuyama, Japan.

 2. **Sheng-Min Chiu**, Yi-Chung Chen, Yow-Shin Liou, Chiang Lee, Jia-Ching Ying, Chee-Hoe Loh and Jou-Wei Lin, "A Fast, Interactive, Location-based Food Recommendation Application," *Multidisciplinary International Social Networks Conference (MISNC)*, 2021-11, Bergen, Norway and Kaohsiung, Taiwan.

 3. **Sheng-Min Chiu**, Yi-Chung Chen, Jou-Wei Lin, Cheng-Hsien Tsai, and Chiang Lee "An Interactive Health Management System for Self-supervised Health Management," Proceeding on *IEEE Eurasia Conference on Biomedical Engineering, Healthcare and Sustainability (IEEE ECBIOS)*, 2021-5, Tainan, Taiwan. (Best Paper Award)

 4. **Sheng-Min Chiu**, Feng-Jung Yang, Yi-Chung Chen, Chiang Lee, "Deep learning for Etiology of Chronic Kidney Disease in Taiwan," *2nd IEEE Eurasia Conference on IOT, Communication and Engineering, 2020 (IEEE ECICE 2020)*, 2020-10, Yunlin, Taiwan.

 5. Chee-Hoe Loh, **Sheng-Min Chiu**, and Yi-Chung Chen, "Application of Hammerstein-Wiener Recurrent Neural Network to Accelerate Time-Series Skyline Queries," *International Workshop of Machine Learning on Multimedia and Applications*, 2019-08. Bali, Indonesia. (Best Paper Award)
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6. **Sheng-Min Chiu**, Chung-Ying Hsieh and Yi-Chung Chen, "Using the news in the social networks to predict the TAIEX stock price," *International Joint Conference Of TCSE, JASPIC And SEA*, 2019-07. Chiba, Japan and Taoyuan, Taiwan.

 7. **Sheng-Min Chiu**, Yi-Chung Chen, Tien-Yen Chang, Yu-Liang Hsu, Heng-Yi Su, Hsi-Min Chen, Tzu-Yu Lin, "A Fast Way for Finding Similar Friends in Social Networks by using Neuro-Fuzzy Networks," *2016 International Conference on Machine Learning and Cybernetics (ICMLC 2016)*, 2016-07. Jeju Island, South Korea.

 8. Yi-Chung Chen, **Sheng-Min Chiu**, Heng-Yi Su, Hsi-Min Chen, Yu-Liang Hsu, and Yu-Ren Yang, "An Efficient and Precise Algorithm for Finding Similar Friends in Distributed Social Networks," *International Conference on Information and Social Science (ISS 2016)*, 2016-06. Sapporo, Japan.

 9. **Sheng-Min Chiu**, Yi-Chung Chen, Heng-Yi Su and Yu-Liang Hsu, "Finding Similar Users in Social Networks by Using the Depth-k Skyline Query," *2015 IEEE International Conference on Consumer Electronics*, pp. 162-163 , 2015-06. Taipei, Taiwan.

 10. Heng-Yi Su, Yi-Chung Chen, Qian-Hua Huang, **Sheng-Min Chiu**, and Yu-Liang Hsu, "An Educational/Research-Aimed Tool for Voltage Stability Analysis in Smart Grids," *2015 IEEE International Conference on Consumer Electronics*, pp. 164-165, 2015-06. Taipei, Taiwan.

 1. 劉佑炘, **邱勝敏**, 李香蘭, 陳奕中, 李強, 尚榮康, 張子瑩, "利用 CNN-LSTM 及 Grad-CAM 擷取臺北市人流移動趨勢特徵值並建立輕量化模型預測人流量," TGIS (The Taiwan Geographic Information Society Annual Meeting & Academic Conference), 2021, Taiwan. (*Best Student Paper Award*)

 2. **邱勝敏**, 陳奕中, 陳朝鈞, 李強, 洪莉琿, "基於模糊深度學習模型萃取深度特徵進而提升刀具壽命預測的準確性," Chinese Institute of Industrial Engineers Annual Conference, 2020 (CIEE2020).

 3. **邱勝敏**, 郭巧玲, 范毅軍, 李強 "利用相似度投票法於歷史地圖圖徵萃取-以日治時期台灣堡圖為例," TGIS (The Taiwan Geographic Information Society Annual Meeting & Academic Conference), 2020, Taiwan.

 4. 李香蘭, 陳奕中, **邱勝敏**, 李強, 尚榮康, 張子瑩, "雙北市人流資料與天氣的關係," TGIS (The Taiwan Geographic Information Society Annual Meeting & Academic Conference), 2020, Taiwan.

 5. **邱勝敏**, 陳昱任, 羅志豪, 陳奕中, "基於遞迴式類神經網路之快速時間序列天際線查詢方法," WASN 2018, 無線、隨意及感測網路研討會, 2018-08.桃園渴望會館.

 6. Tze-Suen Lim, Yi-Chung Chen, **Sheng-Min Chiu**, Wei-Lun Wang, and Wei-Hung Lin, "Time Series Skyline Query and Its Neural Filter," *2017 台灣軟體工程研討會*, pp. 307-312 , 2017-07.

 7. **邱勝敏**, 陳奕中, 楊東麟, 薛念林, 陳錫民, "基於倒傳遞模糊類神經網路之快速天際線朋友尋找演算法," *2016 台灣軟體工程研討會(TCSE2016)*, 2016-07. Keelung, Taiwan.

 8. **Sheng-Min Chiu** and Yi-Chung Chen, "A Novel Algorithm for Finding Similar Friends in Social Networks," *National Symposium on System Science and Engineering*, 2015-07. Taipei, Taiwan.

 9. **Sheng-Min Chiu**, Zhong-Ying Xie, Pei-Bei Chen, Hung-Yu Wei, and Yi-Chung Chen, "Using the Concepts of Skyline Queries and Neural Networks to Accelerate the Processes of Finding Similar Users in Social Networks," *National Conference on Web Intelligence and Applications*, 2015-06. Yilan, Taiwan.

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