

**Wei-Chiang Hong**  
(洪維強)



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## Educations(學歷)

- ❖ 2008 **Ph.D.**, Management, Da Yeh University, Changhua, Taiwan(大葉大學管理研究所管理學博士)

## Experiences(經歷)

- ❖ 2013- present **Professor**, Department of Information Management, Oriental Institute of Technology, Taiwan(亞東技術學院資訊管理系教授)
- ❖ 2011- present **Associate Editor**(副主編), *Neurocomputing* (SCI, 2018 IF=4.072)
- ❖ 2012- present **Editor**(編輯), *Applied Soft Computing* (SCI, 2018 IF=4.873)
- ❖ 2018- present **Editor**(編輯), *Computers & Industrial Engineering* (SCI, 2018 IF=3.518)

## Major Research Interests(主要研究興趣)

- ❖ Computational Intelligence(計算智能) (Neural Networks(神經網路), Evolutionary Computation(演化計算)).
- ❖ Application of forecasting technology(預測應用技術) (ARIMA, Support vector regression(支持向量回歸), Chaos theory(混沌理論), Cloud theory(雲理論), and Quantum theory(量子理論)).

## Awards(獲獎)

- ❖ 1 paper was list as Research frontier in Essential Science Indicator (ESI), Clarivate, Sept. 2019.  
(1 篇論文被科睿唯安的基本科學指標評為研究前沿論文)
- ❖ 5 papers were list as Highly cited paper in ESI, Clarivate, Jul. 2019.  
(5 篇論文被科睿唯安的基本科學指標評為工程類高被引論文)
- ❖  $h$  index =31, total citation=3,100, Web of Science, 17 Sept. 2019  
(Web of Science 的  $h$  指標=31; 總引用數=3,100 次)
- ❖ **Best Reviewer of *Applied Energy* in 2016**, Elsevier Publisher, Aug. 2017.  
(*Applied Energy* 最佳評審員)
- ❖ **Top 10 Best Reviewers of *Applied Energy* in 2014**, Elsevier Publisher, Mar. 2015.  
(*Applied Energy* 最佳評審員)
- ❖ **Outstanding Professor Award**, Far Eastern Y. Z. Hsu Science and Technology Memorial Foundation (Taiwan), Nov. 2014.  
(財團法人徐有庠先生紀念基金會庠傑出教授獎)
- ❖ **Taiwan Inaugural Scopus Young Researcher Award—Computer Science (2<sup>nd</sup> Runner up)**, Elsevier Publisher (Taiwan), Nov. 2014.  
(台灣第一屆 Scopus 青年科學家獎—資訊科學領域(第三名))
- ❖ **Top Cited Paper Award 2007-2011**, Elsevier Publisher (The Netherlands), Jun. 2012.  
(2007-2011 年高引論文獎)

## Professional Societies & Services(學術社團與學術服務)

- ❖ **Senior Member**, IEEE (Institute of Electrical and Electronics Engineers), USA, since 2010.  
(IEEE 學會資深會員)
- ❖ **International Conference General Chair**(國際學術會議主席): ICRC (2019).
- ❖ **International Conference Honorary Chair**(國際學術會議榮譽主席): FTNCT (2018, 2019), IC4S (2019), ETCCS (2019).
- ❖ **International Conference Technical Program Co-Chair**(國際學術會議程序委員會共同主席): FTNCT (2018, 2019), IEEE ITNEC (2016, 2019), ICBDBI (2017).

## Publications(學術論文)

### ➤ Refereed Papers (期刊論文)

[Total cited numbers: 3,100, based on Web of Science, *h* Index=31; Clarivate ESI highly cited papers: 5; Clarivate ESI research frontier paper: 1]

#### 2019

1. Fan, G.-F., Guo, Y.-H., Zheng, J.-M., and **Hong, Wei-Chiang\***“Application of the weighted k-nearest neighbor algorithm for short-term load forecasting,” *Energies*, 12(5), 916, March 2019. **2018 IF=2.707**
2. Liang, Y., D. Niu, and **Wei-Chiang Hong** “Short term load forecasting based on feature extraction and improved general regression neural network model,” *Energy*, 166 Pages 653-663, January 2019. **2018 IF=5.537; Cited by 5**

#### 2017

3. Li, M.-W., J. Geng, **Wei-Chiang Hong\***, and Z.-Y. Chen “A novel approach based on the Gauss-νSVR with a new hybrid evolutionary algorithm and input vector decision method for port throughput forecasting,” *Neural Computing and Applications*, 28 (Suppl 1) Pages S621-S640, December 2017. **2018 IF=4.664; Cited by 7.**
4. Li, M.-W., **Wei-Chiang Hong\***, J. Geng, and J. Wang “Berth and quay crane coordinated scheduling using chaos cloud particle swarm optimization algorithm,” *Neural Computing and Applications*, 28(11) Pages 3163-3182, November 2017. **2018 IF=4.664; Cited by 11.**
5. Niu, D., Y. Liang, H. Wang, M. Wang, and **Wei-Chiang Hong** “Icing forecasting of transmission line with modified BPNN-SVM-KELM based on the weight determination method of variance-covariance,” *Energies*, 10(8), 1196, August 2017. **2018 IF=2.707; Cited by 5.**

#### 2016

6. Liang, Y., D. Niu, Y. Cao, and **Wei-Chiang Hong** “Analysis and modeling for China’s electricity demand forecasting using a hybrid method based on MR and ELM: A view from carbon emission,” *Energies*, 9(11), 941, November 2016. **2018 IF=2.707; Cited by 7.**
7. Liang, Y., D. Niu, M. Ye, and **Wei-Chiang Hong** “Short-term load forecasting based on wavelet transform and least square support vector machine optimized by improved cuckoo search,” *Energies*, 9(10), 827, October 2016. **2018 IF=2.707; Cited by 15**