

RESUME

簡介(Biography)



Dong-Lin Li received his Ph.D. degree in electrical engineering from National Chiao Tung University, Hsinchu, Taiwan in 2013 and master degree in electrical engineering from National Chung Hsing University, Taichung, Taiwan, in 2006. He is currently associated with National Taiwan Ocean University, Keelung, Taiwan as Assistant Professor. His current research interests include Machine Learning, Computer Vision, Marine AI and Smart Living Technology. Dr. Li has published papers in international journal and conferences including *IEEE Transactions*, *ACM*, *Elsevier* and *Springer*.

學歷(Education)

- 2006~2013 Ph.D. (E.E.) in Electrical Engineering and Computer Science, National Chiao Tung University, Hsinchu City, Taiwan(R.O.C)
- 2004~2006 Master in Electrical Engineering, National Chung Hsing University, Taichung City, Taiwan(R.O.C)
- 2000~2004 Undergraduate in Electrical Engineering, National Taiwan Ocean University, Keelung City, Taiwan(R.O.C)

經歷(Experience)

- Executive Secretary, Artificial Intelligence Research Center, Taiwan (R.O.C) (2020.05 ~ now)
- Assistant Professor, Department of Electrical Engineering, National Taiwan Ocean University, Taiwan (R.O.C) (2019.08 ~ now)
- Associate Research Fellow, Computer Vision Research Center, National Chiao Tung University, Taiwan (R.O.C) (2018.05 ~ 2019.07)

- Postdoctoral Researcher, Transdisciplinary Design Innovation Shop (TDIS), National Chiao Tung University, Taiwan (R.O.C) (2017.9 ~ 2018.04)
- Deputy CEO, Eco-City - Integrated Smart Living Technology Regional Center, National Chiao Tung University, Taiwan (R.O.C) (2016.7 ~ 2019.07)
- Postdoctoral Researcher, Department of Electrical Engineering and Computer Science, National Chiao Tung University, Taiwan (R.O.C) (2013.2 ~ 2017.06)
- General Manager, Eco-City - Integrated Smart Living Technology Regional Center, National Chiao Tung University, Taiwan (R.O.C) (2013.2 ~ 2017.6)

著作列表(Publications Lists)

My Profile on Google Scholar:

<https://scholar.google.com.tw/citations?user=ihB7PWcAAAAJ&hl=zh-TW>

國際期刊論文(International Journal Papers)

- [1] **Dong-Lin Li**, Mukesh Prasad, Sheng-Chih Hsu, Chao-Ting Hong, and Chin-Teng Lin, "Face Recognition Using Nonparametric Weighted Fisherfaces," *EURASIP Journal on Advances in Signal Processing*, 2012:96, 26 Apr. 2012 (SCI/EI)
- [DOI: [10.1186/1687-6180-2012-92](https://doi.org/10.1186/1687-6180-2012-92)]
- (IF:0.811, 151/245 or 61.63% of ENGINEERING, ELECTRICAL & ELECTRONIC)
- [2] Miin-Tsair Su, Chin-Teng Lin, Sheng-Chih Hsu, **Dong-Lin Li**, Cheng-Jian Lin, and Cheng-Hung Chen, "Nonlinear System Control Using Functional-Link-Based Neuro-Fuzzy Network Model Embedded with Modified Particle Swarm Optimizer," *International Journal of Fuzzy Systems*, Vol. 14, No. 1, pp. 97-109, Mar. 2012 (SCI)
- (IF:1.157, 24/58 or 41.4% of AUTOMATION & CONTROL SYSTEM)
- [3] Chin-Teng Lin, **Dong-Lin Li**, Jian-Hao Lai, Ming-Feng Han, and Jyh-Yeong Chang, "Automatic Age Estimation system for Face Image" *International Journal of Advanced Robotic Systems*, Vol. 9, Nov. 2012 (SCI/EI)

[DOI: [10.5772/52862](https://doi.org/10.5772/52862)]

(IF:0.375, 16/19 or 84.2% of TOBOTICS)

- [4] Ming-Feng Han, Chin-Teng Lin, Jyh-Yeong Chang and **Dong-Lin Li**, “Group-Based Differential Evolution for Numerical Optimization Problems” *International Journal of Innovative Computing, Information and Control*, Vol. 9, No.3, pp. 1357-1372, Mar. 2013 (SCI/EI)

(IF:1.667, 12/60 or 20% of AUTOMATION & CONTROL SYSTEM)

- [5] Mukesh Prasad, **Dong-Lin Li**, Chin-Teng Lin, Shiv Prakash, Jagendra Singh, and Sudhanshu Joshi, ” Designing Mamdani-Type Fuzzy Reasoning for Visualizing Prediction Problems Based on Collaborative Fuzzy Clustering “ *IAENG International Journal of Computer Science*, Vol. 42, pp. 404-411, Nov. 2015 (EI)

[DOI: [10.1109/CICA.2014.7013227](https://doi.org/10.1109/CICA.2014.7013227)]

- [6] **Dong-Lin Li**, Mukesh Prasad, Chin-Teng Lin, and Jyh-Yeong Chang, “Self-Adjusting Feature Maps Network and its Applications” *Neurocomputing*, Vol. 207, pp. 78-94, Sep. 2016

[DOI: [10.1016/j.neucom.2016.03.067](https://doi.org/10.1016/j.neucom.2016.03.067)]

(IF: 3.317, 24/133 or 18% of COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE)

- [7] Mukesh Prasad, Yu-Ting Liu, **Dong-Lin Li**, Chin-Teng Lin and Rajiv Ratn Shah “A New Mechanism for Data Visualization with TSK-type Preprocessed Collaborative Fuzzy Rule based System” *Journal of Artificial Intelligence and Soft Computing Research*, Vol. 1, No. 1, pp. 78-94, Jan. 2017

[DOI: [10.1515/jaiscr-2017-0003](https://doi.org/10.1515/jaiscr-2017-0003)]

- [8] Mukesh Prasad, Chin-Teng Lin, **Dong-Lin Li**, Chao-Tien Hong, Wei-Ping Ding, and Jyh-Yeong Chang “Soft-Boosted Self-Constructing Neural Fuzzy Inference Network” *IEEE Transactions on Systems, Man, And Cybernetics: Systems*, Vol.47, pp.584-588, Nov. 2017

[DOI:[10.1109/TSMC.2015.2507139](https://doi.org/10.1109/TSMC.2015.2507139)]

- [9] Kuang-Pen Chou, Mukesh Prasad, Di Wu, Nabin Sharma, **Dong-Lin Li**, Yu-Feng Lin, Michael Blumenstein, Wen-Chieh Lin, Chin-Teng Lin “Robust

Feature-Based Automated Multi-View Human Action Recognition System”
IEEE Access, Vol. 6, pp. 15283-15296, Feb. 2018

[DOI: [10.1109/ACCESS.2018.2809552](https://doi.org/10.1109/ACCESS.2018.2809552)]

- [10] N Bharill, OP Patel, A Tiwari, L Mu, **DL Li**, M Mohanthy, O Kaiwartya and M Prasad , “A Generalized Enhanced Quantum Fuzzy Approach for Efficient Data Clustering.” *IEEE Access*, , Jan. 2019

[DOI: [10.1109/ACCESS.2019.2891956](https://doi.org/10.1109/ACCESS.2019.2891956)]

- [11] Ting-Wei Hsu, Shreya Pare, Mahendra Singh Meena, Deepak Kumar Jain, **Dong-Lin Li**, Amit Saxena, Mukesh Prasad, Chin-Teng Lin. “An early flame detection system based on image block threshold selection using knowledge of local and global feature analysis.” *Sustainability*. 12(21), Jan. 2020.

[DOI:[10.3390/su12218899](https://doi.org/10.3390/su12218899)]

- [12] Liang-Cheng Chang, Shreya Pare, Mahendra Singh Meena, Deepak Jain, **Dong-Lin Li**, Amit Saxena, Mukesh Prasad, Chin-Teng Lin. “An intelligent automatic human detection and tracking system based on weighted resampling particle filtering.” *Big Data and Cognitive Computing*. 4 (4), 27. Dec. 2020.

[DOI: [10.3390/bdcc4040027](https://doi.org/10.3390/bdcc4040027)]

- [13] **Dong-Lin Li**, Mukesh Prasad, Chih-Ling Liu, Chin-Teng Lin. “Multi-View Vehicle Detection Based on Fusion Part Model With Active Learning.” *IEEE Transactions on Intelligent Transportation Systems*. pp. 3146 - 3157 May 2021.

[DOI: [10.1109/TITS.2020.2982804](https://doi.org/10.1109/TITS.2020.2982804)]

(IF: **9.511**, 4/138 or 2.54% of ENGINEERING, CIVIL)

- [14] Guo-Jhang Hong, **Dong-Lin Li**, Shreya Pare, Amit Saxena, Mukesh Prasad and Chin-Teng Lin “Adaptive Decision Support System for On-Line Multi-Class Learning and Object Detection.” *Applied Sciences*. 11(23), Nov. 2021

[DOI: [10.3390/app112311268](https://doi.org/10.3390/app112311268)]

國際研討會論文(International Conference Papers)

- [1] Chin-Teng Lin, **Dong-Lin Li** And Chang-Tai Hsieh “Human Detection and Tracking Based On Modified Independent Component Analysis,” The 1st

International Conference on Systematic Innovation, Hsinchu, Taiwan, Jan. 22-25, 2010

- [2] Chin-Teng Lin, **Dong-Lin Li**, and Jyh-Yeong Chang ” Self-Adjusting Feature Maps Network“ 18th International Conference on Neural Information Processing, Shanghai, China, Nov. 13-17, 2011

[DOI: [10.1007/978-3-642-24965-5_40](https://doi.org/10.1007/978-3-642-24965-5_40)]

- [3] Mukesh Prasad, **Dong-Lin Li**, Yu-Ting Liu, Linda Siana, Chin-Teng Lin, and Amit Saxena “A Preprocessed Induced Partition Matrix Based Collaborative Fuzzy Clustering For Data Analysis” *2014 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)* , Beijing, China, July 6-11, 2014 [DOI:

[10.1109/FUZZ-IEEE.2014.6891876](https://doi.org/10.1109/FUZZ-IEEE.2014.6891876)]

- [4] Mukesh Prasad, Kuang-Pen Chou, Amit Saxena, Omprakash Kawrtiya, **Dong-Lin Li**, and C. T. Lin “Collaborative Fuzzy Rule Learning for Mamdani Type Fuzzy Inference System with Mapping of Cluster Centers” IEEE Symposium on Computational Intelligence in Control and Automation (CICA), Orlando, Florida, U.S.A. Dec. 9-12, pp.1-6, 2014

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- [5] Kuang-Pen Chou, **Dong-Lin Li**, Mukesh Prasad, Chin-Teng Lin and Wen-Chieh Lin, “A method to enhance the deep learning in an aerial image.” 2017 International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS), Xiamen, China, Nov. 6-9, pp. 724-728, 2017

- [6] Kuang-Pen Chou, **Dong-Lin Li**, Mukesh Prasad, Sheng-Yao Su, Chin-Teng Lin and Wen-Chieh Lin “Robust Facial Alignment for Face Recognition” 24th International Conference on Neural Information Processing, Guangzhou, China, Nov. 14-18, pp. 497-504, 2017

[DOI: [10.1007/978-3-319-70090-8_51](https://doi.org/10.1007/978-3-319-70090-8_51)]

- [7] Mukesh Prasad, Kuang-Pen Chou, **Dong-Lin Li**, Farookh Hussain, Chin-Teng Lin and Wen-Chieh Lin “Automatic Multi-view Action Recognition with Robust Features,” 24th International Conference on Neural Information Processing, Guangzhou, China, Nov. 14-18, pp. 554-563, 2017

[DOI: [10.1007/978-3-319-70090-8_56](https://doi.org/10.1007/978-3-319-70090-8_56)]

- [8] Mukesh Prasad, Chih-Ling Liu, **Dong-Lin Li**, Chandan Jha and Chin-Teng Lin , “Multi-view Vehicle Detection based on Part Model with Active Learning” 2018 International Joint Conference on Neural Networks (IJCNN), Rio de Janeiro, Brazil, 8-13 July, 2018

[DOI: [10.1109/IJCNN.2018.8489671](https://doi.org/10.1109/IJCNN.2018.8489671)]

- [9] Mukesh Prasad, **Dong-Lin Li**, Shantanu Rajora, Chandan Jha, Neha Bharill, Om Prakash Patel, Deepak Puthal and Sudhanshu Joshi “A Comparative Study of Machine Learning Techniques for Credit Card Fraud Detection Based on Time Variance” 2018 IEEE Symposium Series on Computational Intelligence (SSCI), Bengaluru, India, Nov 18-21, 2018

- [10] Ardian Umam, Jen-Hui Chuang and **Dong-Lin Li**, “A Light Deep Learning Based Method for Bank Serial Number Recognition” 2018 IEEE International Conference on Visual Communications and Image Processing, Taichung, Taiwan, Dec 9-12, 2018

- [11] Yi-Yu Hsieh, Wei-Yu Lin, Dong-Lin Li and Jen-Hui Chuang. “Deep Learning-Based Obstacle Detection and Depth Estimation.” The 26th IEEE Sep. 2019

專書(Book)

- [1] David K. Kahaner, Editor and Asian Technology Information Program (ATIP), Daobi Chen, Dr. Hyoungseok Chu, Mark Foley, Karen Gieske, David Kahaner, Kenneth Kwok, **Dong-Lin Li**, Chaiyatorn Limpornvanich, Lerwen Liu, Y.B. Park Mukesh Prasad, Anca Ralescu, Victor Stickel, Jingfu Yan, Yi Zhang *AI R&D in Asia: A snapshot of AI activities across the Asian region* (ISBN: 1977232191). Outskirts Press. Dec, 2020.

台灣研討會論文(International Conference Papers)

- [1] Jian-Hao Lai, **Don-Lin Li**, Chin-Teng Lin and Shih-Chun Chou, “基於人臉影像之人類年齡偵測,” 2010 International Conference on Advanced Information Technologies, Taichung, Taiwan, April 23-24, 2010