

中臺科技大學教師個人資料表

一、基本資料

中文姓名	陳永福	英文姓名	YUNG-FU CHEN	
			(Last Name)	(First Name) (Middle Name)
聯絡電話	校內分機: 7285 (宅) 04-24064325 (手機) 0911929855			
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二、主要學歷

請填學士級以上之學歷或其他最高學歷均可，若仍在學者，請在學位欄填「肄業」。

畢／肄業學校	國別	主修學門系所	學位	起訖年月(西元年/月)
國立成功大學	中華民國	醫學工程研究所	博士	<u>1996/09</u> 至 <u>2002/02</u>
密蘇里大學	美國	電機工程研究所	碩士	<u>1988/09</u> 至 <u>1990/05</u>
國立台北工專	中華民國	電機工程科	證書	<u>1978/08</u> 至 <u>1983/06</u>
				_____ 至 _____

三、現任系所及與專長相關之經歷

指與研究相關之專任職務，請依任職之時間先後順序由最近者往前追溯。

服務單位	職稱	起訖年月(西元年/月)
現職：中臺科技大學牙體技術暨材料系	教授	<u>2015/08</u> 至今
經歷：中臺科技大學醫務管理系	教授	<u>2010/08</u> 至 <u>2015/07</u>
中國醫藥大學醫務管理學系	教授	<u>2008/02</u> 至 <u>2010/07</u>
中國醫藥大學醫務管理學系	副教授	<u>2006/08</u> 至 <u>2008/01</u>
大葉大學資訊工程系暨研究所	副教授	<u>2004/08</u> 至 <u>2006/07</u>
中臺醫護技術學院資訊管理系	副教授	<u>2000/02</u> 至 <u>2004/07</u>

四、專長

請自行填寫與研究方向有關之學門名稱。

1. 超音波訊號及影像系統	2. 知識管理與數位學習	3. 醫療資訊	4. 商業智慧與資料探勘
5.	6.	7.	8.

Representative Publication in 5 Years :

Journal Articles :

1. Yung-Fu Chen, Po-Chi Huang, Ker-Cheng Lin, Hsuan-Hung Lin, Li-En Wang, Chung-Chuan Cheng, Tsung-Po Chen, Yung-Kuan Chan, John Y. Chiang (Jan. 2014) Semi-Automatic Segmentation and Classification of Pap Smear Cells. *IEEE Journal of Biomedical and Health Informatics* (Formally *IEEE Transactions on Information Technology in BioMedicine*), vol. 18(1), pp. 94 - 108. (SCI)
2. Ming-Huei Lee, Alex Tong-Long Lin, Hann-Chorng Kuo, Yung-Fu Chen (Jan. 2014) Clinical Characteristic Picture and Impact of Symptoms on Quality of Life of Interstitial Cystitis Patients in Taiwan, *LUTS*, vol. 6(1), pp. 20-25. (SCI)
3. Ming-Huei Lee, Huei-Ching Wu, Jen-Yung Lin, Tan-Hsu Tan, Po-Chou Chan, Yung-Fu Chen* (2014) Development and evaluation of an E-health system to care for patients with Bladder Pain Syndrome/Interstitial Cystitis, *International Journal of Urology*, vol. 21 (Suppl 1), 62–68. (SCI)
4. Ker-Chern Lin, Lin-Sheng Chang, Chien-Ming Tseng, Hsuan-Hung Lin, Yung-Fu Chen*, Chien-Lei Chao (2014), A Smartphone APP for Health and Tourism Promotion, *Mathematical Problems in Engineering*, vol. 2014, Article ID 583179, 10 pages. (SCI)
5. Wei-Sheng Chung, Cheng-Li Lin, Fung-Chang Sung, Wu-Huei Hsu, Yung-Fu Chen, and Chia-Hung Kao (May 2014) Increased Risks of Deep Vein Thrombosis and Pulmonary Embolism in Sjögren Syndrome: A Nationwide Cohort Study, *J Rheumatol*, 41(5), 909-15 (SCI).
6. Wei-Sheng Chung, Chiao-Ling Peng, Cheng-Li Lin, Yen-Jung Chang, Yung-Fu Chen, John Y. Chiang, Fung-Chang Sung, Chia-Hung Kao (Oct. 2014) Rheumatoid arthritis increases the risk of deep vein thrombosis and pulmonary thromboembolism: A nationwide cohort study, *Annals of the Rheumatic Diseases*, vol. 73(10), pp. 1774-80 (SCI)
7. Wei-Sheng Chung, Yung-Fu Chen, Jiin-Chyr Hsu, Su-Ching Chen, John Y. Chiang (Oct. 2014) Inhaled Corticosteroids and the Increased Risk of Pulmonary Tuberculosis: A Population-based Case Control Study, *International Journal of Clinical Practice*, vol. 68(10), pp. 1193-9. (SCI).
8. Wei-Sheng Chung, Cheng-Li Lin, Yung-Fu Chen, Feng-Ming Ho, Wu-Huei Hsu and Chia-Hung Kao (Nov. 2014), Increased stroke risk among adult asthmatic patients, *European Journal of Clinical Investigation*, vol 44(11), pp. 1025-1033. (SCI)
9. Wei-Sheng Chung, Cheng-Li Lin, Yung-Fu Chen, Wu-Huei Hsu, Jiin-Chyr Hsu, Chia-Hung Kao (November 2014) Pulmonary Tuberculosis Increases the Risk of Pulmonary Thromboembolism: A Nationwide Population-based Cohort Study,

- Thrombosis and Haemostasis*, vol. 112(6), pp. 1325-7. (SCI)
10. Yung-Fu Chen, Liang-Wen Hang, Chun-Sen Huang, Shinn-jye Liang, and Wei-Sheng Chung* (Feb, 2015) Polysomnographic predictors of persistent continuous positive airway pressure adherence in patients with moderate and severe obstructive sleep apnea, *The Kaohsiung Journal of Medical Sciences*, vol. 31(2), pp. 83–89. (SCI)
 11. Wei-Sheng Chung, Yung-Fu Chen, Cheng-Li Lin, Shih-Ni Chang, Wu-Huei Hsu, Chia-Hung Kao (Jan. 2015), Sleep disorders increase the risk of venous thromboembolism in individuals without sleep apnea: a nationwide population-based cohort study in Taiwan, *Sleep Medicine*, vol. 16(1), pp. 168-72. (SCI)
 12. Liang-Wen Hang, Hsiang-Ling Wang, Jen-Ho Chen, Jiin-Chyr Hsu, Hsuan-Hung Lin, Wei-Sheng Chung, Yung-Fu Chen* (Mar. 2015), Validation of overnight oximetry to diagnose patients with moderate to severe obstructive sleep apnea, *BMC- Pulmonary Medicine*, vol. 15:24. (doi:10.1186/s12890-015-0017-z), (SCI)
 13. Jong-Yi Wang, Hsiao-Yun Ho, Jen-De Chen, Sinkuo Chai, Chih-Jaan Tai, Yung-Fu Chen* (July 2015) Attitudes towards Inter-hospital Electronic Patient Records Exchange: Discrepancies among Physicians, Medical Record Staff, and Patients, *BMC-Health Services Research*, vol. 15:264 (doi:10.1186/s12913-015-0896-y) (SCI)
 14. H.-H. Lin[†], F.-M. Ho, Yung-Fu Chen[†], C.-M. Tseng, C.-C. Ho, Wei-Sheng Chung (Aug. 2015) Increased risk of erectile dysfunction among patients with sleep disorders: A nationwide population-based cohort study. *International Journal of Clinical Practice*, vol. 69(8), pp. 846-852. (SCI).[†] Co-first author.
 15. Chung-Chuan Cheng, Chun-Feng Lu, Ju-Yi Hsieh, Yaw-Jen Lin, Jin-Shiuh Taur, and Yung-Fu Chen* (August 2015) Design of a computer-assisted system to automatically detect cell types using ANA IIF images for the diagnosis of autoimmune diseases. *Journal of Medical Systems*, vol. 39:117, pp. 1-12. (SCI).
 16. Yung-Fu Chen, Hsuan-Hung Lin, Chuan-Chin Lu, Jing-Duan Hung, Ming-Huei Lee, Chao-Yu Hsu, Wei-Sheng Chung* (Oct. 2015). Gout and a subsequent increased risk of erectile dysfunction in men aged 64 and below: A nationwide cohort study in Taiwan, *Journal of Rheumatology*, vol. 42(10), pp.1898-1905. (SCI)
 17. Tuan D. Pham, Taishi Abe, Ryuichi Oka, and Yung-Fu Chen (Dec. 2015), Measures of Morphological Complexity of Gray Matter on Magnetic Resonance Imaging for Control Age Grouping, *Entropy*, vol. 17(12), pp. 8130–8151. (SCI)
 18. W.-S. Chung, F.-M. Ho, Y.-F. Chen (2015), Sleep Disorders and the risk of Rheumatoid Arthritis: A Nationwide Cohort Study, *Ann Rheum Dis*, vol. 74 (Suppl2), pp. 939. (SCI)

19. Ren-Hao Pan, Rung-Ching Chen, Elong Lin, Yung-Kuan Chan, Yung-Fu Chen* (2016) Using Genetic Algorithm and Maximum Clique in the Design of Multiplex PCR Primers, *International Journal of Data Mining and Bioinformatics*, vol. 14 (2), pp. 177-195. (SCI)
20. Chung-Liang Lai[†], Chien-Ming Tseng[†], Tzu-Kuan Liao, Ya-Ling Huang, D. Erdenetsogt, Yung-Fu Chen* (April, 2016), A Kinect-based system for balance rehabilitation of stroke patients, *IEICE Transactions on Information and System*, vol. E99–D (4), pp. 1032-1037. (SCI)
21. Chih-Sheng Lin, Po-Chou Chan, Kuang-Hua Huang, Chun-Feng Lu, Yung-Fu Chen*, Yun-O Lin Chen (2016), Guidelines for Reducing Image Retakes of General Digital Radiography, *Advances in Mechanical Engineering*, vol. 8(4), pp. 1-6 (SCI)
22. Lun-chien Lo, Yung-Fu Chen, John Y. Chiang, Tsung-Lin Cheng, Natsagdorj Damdinsuren (2015), Education of Chinese Medicine Tongue Diagnosis by Automatic Tongue Diagnosis System, *Chinese Journal of Integrative Medicine*, (Published Online) (SCI)
23. Lee, M. H., Wu, H. C., Chen, W. C., Chen, Y. F. (Aug. 2016) Multidisciplinary self-management telecare system may improve quality of life in patients with interstitial cystitis/bladder pain syndrome (IC/BPS)- A randomized controlled trial. *Neurourology and Urodynamics*, vol. 35 (S4), S94-S95. (SCI)
24. Hsu, S. K., Tian, J., Ho, W. F., Hsu, H. C., Liao, H. J., **Chen, Y. F.**, & Wu, S. C. (2016). Enhancing the bioactivity of yttria-stabilized zirconia immobilized with adhesive peptide using L-dopa as cross-linker. *Thin Solid Films*, vol. 620, pp. 145-149. (SCI)
25. Chung-Liang Lai[†], Chien-Ming Tseng[†], Tzu-Kuan Liao, Ya-Ling Huang, D. Erdenetsogt, **Yung-Fu Chen*** (April, 2016), A Kinect-based system for balance rehabilitation of stroke patients, *IEICE Transactions on Information and System*, vol. E99–D (4), pp. 1032-1037. (SCI)
26. Chih-Sheng Lin, Po-Chou Chan, Kuang-Hua Huang, Chun-Feng Lu, **Yung-Fu Chen***, Yun-O Lin Chen (2016), Guidelines for Reducing Image Retakes of General Digital Radiography, *Advances in Mechanical Engineering*, vol. 8(4), pp. 1-6. (SCI)
27. Ren-Hao Pan, Rung-Ching Chen, Elong Lin, Yung-Kuan Chan, **Yung-Fu Chen*** (2016) Using Genetic Algorithm and Maximum Clique in the Design of Multiplex PCR Primers, *International Journal of Data Mining and Bioinformatics*, vol. 14 (2), pp. 177-195. (SCI)
28. **Yung-Fu Chen**, Hsuan-Hung Lin, Chih-Sheng Lin, Battsetseg Turbat, Kuo-An Wang, Wei-Sheng Chung (May, 2017), Bronchiectasis and Increased Risk of

- Ischemic Stroke: A Nationwide Population-Based Cohort Study, *International Journal of Chronic Obstructive Pulmonary Disease*, vol. 2017:12, pp. 1375–1383. (SCI)
29. Tan-Hsu Tan, Munkhjargal Gochoo, **Yung-Fu Chen**, Jin-Jia Hu, John Chiang, Ching-Su Chang, Ming-Huei Lee, Yung-Nian Hsu, Jiin-Chyr Hsu (2017), Ubiquitous Emergency Medical Service System Based on Wireless Biosensors, Traffic Information and Wireless Communication Technologies: Development and Evaluation, *Sensor*, vol. 17(1), 202, pp. 1-15. (SCI)
 30. Ming-Huei Lee, Huei-Ching Wu, Chien-Ming Tseng, Tsung-Liang Ko, **Yung-Fu Chen*** (2018), Health Education and Symptom Flare Management Using a Video-Based m-Health System for Caring Women with IC/BPS, *Urology*, vol. 119, pp. 62-69. (SCI)
 31. **Yung-Fu Chen**, Chih-Sheng Lin, Kuo-An Wang, La Ode Abdul Rahman, Dah-Jye Lee, Wei-Sheng Chung, Hsuan-Hung Lin* (2018), Design of a Clinical Decision Support System for Fracture Prediction Using Imbalanced Dataset, *Journal of Healthcare Engineering*, vol. 2018, Article ID 9621640, 13 pages. (SCI)
 32. Yung-Fu Chen, Chih-Sheng Lin, Chun-Fu Hong, Dah-Jye Lee, Changming Sun, Hsuan-Hung Lin* (Sep. 2019), Design of a Clinical Decision Support System for Predicting Erectile Dysfunction in Men, *IEEE Journal of Biomedical and Health Informatics*, vol. 23(5), pp. 2127-2137 (SCI)
 33. Munkhjargal Gochoo, Tan-Hsu Tan, Shih-CHia Huang, Tsedevdorj Batjargal, Jun-Wei Hsieh, Fady Alnajjar, Yung-Fu Chen (Sep. 2019) Novel IoT-Based Privacy-Preserving Yoga Posture Recognition System Using Low-Resolution Infrared Sensors and Deep Learning, *IEEE Internet of Things Journal*, vol. 6(4), 7192-7200. (SCI)
 34. Huey-Jen Lai, Hsuan-Hung Lin, Tan-Hsu Tan, Chih-Sheng Lin, Yung-Fu Chen* (2020), Designing a Clinical Decision Support System to Predict Readmissions for Patients Admitted with All-Cause Conditions, *Journal of Ambient Intelligence and Humanized Computing*, (In Press, DOI: 10.1007/s12652-019-01579-6) (SCI)

Conference Papers :

1. Tan-Hsu Tan, Munkhjargal Gochoo, Ke-Hao Chen, Fu-Rong Jean, Yung-Fu Chen, Fu-Jin Shih, and Chiung Fang Ho, Indoor Activity Monitoring System for Elderly Using RFID and FitBit Flex Wristband, *Proceedings of 2014 IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI)*, (Valencia, Spain, 1-4 June, 2014), pp. 41 – 44.
2. Chung-Liang Lai, Ya-Ling Huang, Tzu-Kuan Liao, Chien-Ming Tseng, Yung-Fu Chen, D. Erdenetsogt, A Microsoft Kinect-based virtual rehabilitation system to

- train balance ability for stroke patients, Proceedings of 2015 International Conference on Cyberworlds (Visby, Sweden, Oct. 7-9, 2015), pp. 54-60.
3. Yung-Fa Huang, Tan-Hsu Tan, Bor-An Chen, Shing-Hong Liu, Yung-Fu Chen, Performance of Resource Allocation in Device-to-Device Communication Systems Based on Particle Swarm Optimization, Performance of resource allocation in device-to-device communication systems based on particle swarm optimization. In *Proceedings of 2017 IEEE International Conference on Systems, Man, and Cybernetics (SMC2017)*, Banff, Canada, pp. 400-404. (EI)
 4. Kuo-An Wang, Yung-Fu Chen, La Ode Abdul Rahman, Hsuan-Hung Lin, Wei-Sheng Chung, Using Taiwan NHIRD for Studying the Effect of Inhaled Corticosteroids on Fracture. In *Proceedings of 2017 IEEE International Conference on Systems, Man, and Cybernetics (SMC2017)*, Banff, Canada, pp. 2667-2671. (EI)
 5. Huey-Jen Lai, Po-Chou Chan, Hsuan-Hung Lin, Yung-Fu Chen, Chih-Sheng Lin, Jiin-Chyr Hsu, A Web-based Decision Support System for Predicting Readmission of Pneumonia Patients after Discharge. In *Proceedings of 2018 IEEE International Conference on Systems, Man, and Cybernetics (SMC2018)*, Miyzaki, Japan, pp. 2301-2306, 2018. (EI)
 6. Fu-Hsing Wu, Hsuan-Hung Lin, Po-Chou Chan, Chien-Ming Tseng, Yung-Fu Chen, and Chih-Sheng Lin (2020) Clinical Decision Support Systems for Predicting Patients Liable to Acquire Acute Myocardial Infarctions, Presented at the *International Conference of Pattern Recognition and Artificial Intelligence*. Zhongshan City, China. October, 2020

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