

Yue-Loong Hsin



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Education

1999.09-	Institute of Neuroscience	Master
2001.06	Tzu Chi University	
1986.09-	School of Medicine,	Bachelor
1993.06	Kaohsiung Medical University	

Current Positions

2013.06-	Department of Neurology Chung Shan Medical University Hospital	Chair and Doctor
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Publications

Journal Papers:

1. Yue-Loong Hsin, Tomor Harnod, Cheng-Siu Chang, Syu-Jyun Peng (2017, Nov). Increase in gray matter volume and white matter fractional anisotropy in the motor pathways of patients with secondarily generalized neocortical seizures. *Epilepsy Research*, 137:61-68.
2. An-Chih Chen, Ling-Yuh Shyu, Yue-Loong Hsin, Ke-Min Chen, Shih-Chan Lai (2017, Sep). Resveratrol relieves *Angiostrongylus cantonensis* - Induced meningoencephalitis by activating sirtuin-1. *Acta Tropica*, 173:76-84.
3. Syu-Jyun Peng, Yue-Loong Hsin (2017, Aug). Functional Connectivity of the Corpus Callosum in Epilepsy Patients with Secondarily Generalized Seizures. *Frontiers in Neurology*. (SCI).
4. Syu-Jyun Peng, Yue-Loong Hsin (2016, Dec). Altered structural and functional thalamocortical networks in secondarily generalized extratemporal lobe seizures. *NeuroImage: Clinical*, 13:55-61. MOST 105-2218-E-009-027.
5. Ying Li, Jing Qin, Yue-Loong Hsin, Stanley Osher, and Wentai Liu (2016, Nov). s-SMOOTH: Sparsity and Smoothness Enhanced EEG Brain Tomography. *Frontiers in Neuroscience*.
6. Chih-Wei Chang · Yue-Loong Hsin · Wentai Liu (2016, Oct). A Spatially Focused Method for High Density Electrode-Based Functional Brain Mapping Applications. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 24(10):1029-40.

7. Syuan-Yu Hong, Yue-Loong Hsin, Inn-Chi Lee (2016, Aug). An Infant with Congenital Central Hypoventilation Syndrome: Transient Burst Suppression EEG. *Pediatrics and Neonatology*, 57(4):357-358.
8. Syu-Jyun Peng, Tomor Harnod, Jang-Zern Tsai, Ming-Dou Ker, Jun-Chern Chiou, Herming Chiueh, Chung-Yu Wu and Yue-Loong Hsin (2014, May). Evaluation of subcortical grey matter abnormalities in patients with MRI-negative cortical epilepsy determined through structural and tensor magnetic resonance imaging. *BMC Neurology*, 2014, 14:104.
9. Syu-Jyun Peng, Tomor Harnod, Jang-Zern Tsai, Chien-Chun Huang, Ming-Dou Ker, Jun-Chern Chiou, Herming Chiueh, Chung-Yu Wu and Yue-Loong Hsin (2014, May). Through Diffusion Tensor Magnetic Resonance Imaging to Evaluate the Original Properties of Neural Pathways of Patients with Partial Seizures and Secondary Generalization by Individual Anatomic Reference Atlas. *BioMed Research International*, Volume 2014 (2014).
10. Jang-Zern Tsai, Syu-Jyun Peng, Yu-Wei Chen, Kuo-Wei Wang, Hsiao-Kuang Wu, Yun-Yu Lin, Ying-Ying Lee, Chi-Jen Chen, Huey-Juan Lin, Eric Edward Smith, Poh-Shiow Yeh, and Yue-Loong Hsin (2014, Mar). Automatic Detection and Quantification of Acute Cerebral Infarct by Fuzzy Clustering and Histogrammic Characterization on Diffusion Weighted MR Imaging and Apparent Diffusion Coefficient Map. *BioMed Research International*, Volume 2014 (2014), Article ID 963032, 13 pages.
11. Wei-Ming Chen, Herming Chiueh, Tsan-Jieh Chen, Chia-Lun Ho, Chi Jeng, Ming-Dou Ker, Chun-Yu Lin, Ya-Chun Huang, Chia-Wei Chou, Tsun-Yuan Fan, Ming-Seng Cheng, Yue-Loong Hsin, Sheng-Fu Liang, Yu-Lin Wang, Fu-Zen Shaw, Yu-Hsing Huang, Chia-Hsiang Yang, Chung-Yu Wu (2014, Jan). A Fully Integrated 8-Channel Closed-Loop Neural-Prosthetic CMOS SoC for Real-Time Epileptic Seizure Control. *IEEE Journal of Solid-State Circuits*, 49(1):232 - 247.
12. Hsin YL, Chuang MF, Shen TW, Harnod T. (2011, Nov). Temporo-spatial analyses define epileptogenic and functional zones in a case of Dyke-Davidoff-Masson syndrome. *SEIZURE-EUROPEAN JOURNAL OF EPILEPSY*, 2011 Nov;20(9):713-6.
13. Han Yu, Hsin Yue-Long, Harnod Tomor, Liu Wentai (2011, Oct). Features and futures: seizure detection in partial epilepsies. *NEUROSURGERY CLINICS OF NORTH AMERICA*, 22(4):507-518.
14. Yue-Loong, Hsin (2010, Jan). Effects of chronic epilepsy on heart rate variability: A case-control study. *Neural Regeneration Research*, 2010;5(2):156-160.. (SCI).
15. Men-Tzung Lo, Ping-Huang Tsai, Pei-Feng Lin, Chen Lin, Yue Loong Hsin (2009, Jul). The Nonlinear and Nonstationary Properties in EEG Signals:

Probing the Complex Fluctuations by Hilbert-Huang Transform. *Advances in Adaptive Data Analysis*, Volume 01, Issue 03, July 200. (其它).

16. Chih-Yuan Lin, Yue-Loong Hsin, Wen-Long Tsao (2009, Mar). Reversible Leukoencephalopathy Due to Cobalamin Deficiency After Subtotal Thyroidectomy for Graves' Thyrotoxicosis. *Tzu Chi Medical Journal*, 2009; 21(1):85-88.
17. 5. Harnod T, Yang CCH, Hsin YL, Wang PJ, Shieh KR, Kuo TB. (2009, Jan). Heart Rate Variability in Patients with Frontal Lobe Epilepsy. *Seizure*, 1 期, P.21-P.25. (SCI).

Conference Papers

1. Y. Fan, Y. Hsin (2016, Dec). INCREASED REGIONAL HOMOGENEITY IN MAJOR WHITE-MATTER FIBER BUNDLES OF PATIENTS WITH SECONDARY GENERALIZATION OF FOCAL NEOCORTICAL SEIZURES. Annual meeting of American epilepsy society, Houston, US.
2. Y. Hsin, S. Peng, M. Lo (2016, Dec). TIME SERIES ANALYSIS OF ICTAL HIGH-FREQUENCY OSCILLATIONS. Annual Meeting of American Epilepsy Society, Huouston, US.
3. Hanyue Zhou, Ying Li, Yue-Loong Hsin, Wentai Liu (2016, Aug). Phaseamplitude coupling analysis for seizure evolvment using Hilbert Huang Transform. 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC).
4. Hsin YL, Peng SJ (2015, Dec). Altered thalamic resting-state functional connectivity in patients with secondarily generalized neocortical seizures. Annual meeting of American Epilepsy Society, Philadelphia, USA.
5. Chien-Chun Huang, Cheng-Siu Chang, Yue-Loong Hsin (2015, Mar). Time – frequency spectral analysis of cortico-cortical evoked potentials by means of Hilbert – Huang transform. 1st Brain stimulation conference, Singapore.
6. Syu-Jyun Peng, Tomor Harnod, Chien-Chun Huang, Yue-Loong Hsin (2014, Dec). TO EVALUATE ORIGINAL DIFFUSION PROPERTIES OF NEURAL PATHWAYS OF PATIENTS WITH PARTIAL SEIZURES AND SECONDARY GENERALIZATION BY INDIVIDUAL ANATOMIC REFERENCE ATLASES. Annual meeting of American Epilepsy Society.
7. Y. Hsin, S. Peng, T. Harnod (2013, Dec). WHITE MATTER ALTERATION IN PATIENTS WITH FOCAL NON-LESIONAL EPILEPSY CORRELATES HIGHLY WITH ONSET AGE, DURATION OF EPILEPSY AND PHARMACORESISTANCE. Annual meeting of American Epilepsy Society.
8. Y. Hsin, T. Harnod (2012, Dec). THE PROBABILITY DENSITY CHARACTERISTICS OF DIFFUSION TENSOR IMAGE IN MAJOR

NEURAL PATHWAYS OF PATIENTS WITH NONLESIONAL EPILEPSY.

Annual meeting of American Epilepsy Society.

9. Tsu-Wang Shen, Yue-Loong Hsin, Tomor Harnod (2011, Mar). Using fuzzy Cmeans index matrix to depict for the focal cortical dysplasia region on T1 brain MRI images. Medical Information & Communication Technology .
10. Hsin YL, Harnod T, Lo MT (2009, Nov). Using fuzzy C-means index matrix to valid the cortical micro-diorganization that corresponded to focal elileptogenesis. Epilepsia.
11. Hsin YL, Harnod T, Lo MT (2009, Nov). Decomposition of instantaneous frequencies of ictal activity: application of Hilbert-Huang transform in evaluation of intracranial EEG signals. Epilepsia.
12. Tsu-Wang Shen, Xavier Kuo, Yue-Loong Hsin (2009, Aug). Ant K-Means Clustering Method on Epileptic Spike Detection. 5th International Conference on Natural Computation (ICNC'09) and 6th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD'09), Tianjin, China.