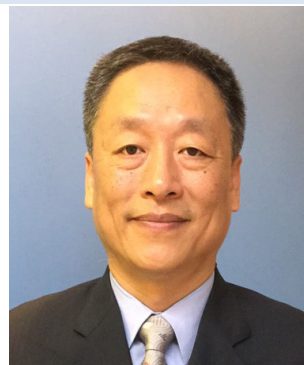


Personal Information

Name: KANG-PING LIN
Nationality: Taiwan, Republic of China
Office Address: 200 Chung-Pei Rd., Chung-Li,
TaoYuan City, 320, Taiwan (R.O.C.)
Telephone: +886-3-2654825
Mobile: +886-919-364126
E-mail: kplin@cycu.edu.tw



Education

- Ph.D. degree in Department of Biomedical Physics, School of Medicine, University of California at Los Angeles (UCLA), USA 1990/09 – 1994/06
- Master degree in Applied Physics, Chung Yuan Christian University, Taiwan 1982/09 – 1984/06
- Bachelor degree in Biomedical Engineering, Chung Yuan Christian University, Taiwan 1978/09 – 1982/06

Professional Activities

(a) Positions in academic administration

- Lifetime Distinguished Professor Department of Electrical Engineering, Chung Yuan Christian University. 2021/08 – **Present**
- Director Center for Technology Translation on Medical Device, Chung Yuan Christian University. 2010/01 – **Present**
- Distinguished Professor Department of Electrical Engineering, Chung Yuan Christian University. 2012/08 – 2021/07
- Director Master Program of Communication Engineering, Chung Yuan Christian University. 2010/08 – 2012/07
- Professor Department of Electrical Engineering, Chung Yuan Christian University. 1996/08 – 2012/07
- Associate Professor Department of Electrical Engineering, Chung Yuan Christian University. 1989/10 – 1996/07
- Lecturer Department of Electrical Engineering, Chung Yuan Christian University. 1986/09 – 1989/09
- Tutor Assistant Department of Applied Physics, Chung Cheng Institute of Technology. 1985/03 – 1986/08
- Research Assistant Department of Biomedical Engineering, Chung Yuan Christian University. 1984/07 – 1984/11

(b) Professional functions outside university

- Secretary General & Administrative Council member International Federation for Medical & Biological Engineering (IFMBE) (NGO) 2015 – 2018
2018- 2022
- Administrative Council member International Union for Physical and Engineering Sciences in Medicine (IUPESM) (NGO) 2018 – **2022**
- Fellow International Union for Physical and Engineering Sciences in Medicine (IUPESM) (NGO) 2020 – **Present**

■ Fellow	International Academy of Medical & Biological Engineering (IAMBE)	2013 – Present
■ President	Taiwanese Society of Molecular Imaging (TSMI)	2019 – Present
■ Chair or Co-Chair	1) Publicity Committee, IFMBE 2) Publication Committee, IFMBE 3) Public & International Relations Ad-hoc Committee, IUPESM	2015 – 2022 2018 – 2022
■ President	Taiwanese Society of Biomedical Engineering, Taiwan	2007 – 2010
■ Chairman / CEO	DailyCare Biomedical Inc., Taiwan	2004 – 2012

(c) Significant professional consulting

■ Director	Medical Technological Division, Biomedical Engineering Center, Industrial Technology Research Institute, Taiwan	1999 – 2004
■ Technology Project Reviewer/ Auditor/ Senior Consultant	- Ministry of Education, Taiwan - Ministry of Science and Technology, Taiwan - Ministry of Economic Affairs, Taiwan - Metal Industries Research & Development Centre (MIRCD), Taiwan - Hsinchu Science Park, Taiwan	2000 – Present

(d) Editor, editorial board, reviewer of scientific/ professional journal

■ Editor-in-Chief	Journal of Medical & Biological Engineering (JMBE, SCI IF=1.553)	2021 – Present
■ Deputy Editor-in-Chief	Journal of Medical & Biological Engineering (JMBE, SCI IF=1.21)	2018 – 2020
■ Editor	IFMBE News, IFMBE (NGO)	2009 – 2015
■ Editorial board member	Journal of Medical & Biological Engineering (JMBE, SCI IF=1.21)	2007 – 2018
■ Editors-in-Chief	Journal of Medical & Biological Engineering	1999 – 2007
■ Reviewer	- Annals of Biomedical Engineering (ABME) (SCI IF= 2.887) - Journal of Medical Imaging and Health Informatics (SCI IF= 0.549)	2010 – Present

Research Interests

- ECG signal processing: Arrhythmia detection, A-fib detection, Clouding data matching
- Medical image processing: Image motion estimation, Image registration, PET/CT/MRI
- Microcirculation: Blood vessel imaging system, Capillary blood flow, Red blood cell velocity
- Medical Device: Handheld ECG, Portable pulse detector, Heart rate monitor, Portable AED
- Clinical Engineering: Evident-based Medical Equipment management
- Others: Kinetic modeling, waveform decomposition, pattern recognition for biomedical signals and system

Honors & Awards

- 2020 Journal of Medical & Biological Engineering (JMBE) (SCI IF=1.553): The Best Annual Paper Award
- 2020 Award of Excellence in Industry-Academy Cooperation, Chung Yuan Christian University
- 2019 TSBME Wei Han Biomedical Engineering Service Award
- 2019 Int. Conf. on Biomedical and Health Informatics (ICBHI 2019): The Best Paper Award
- 2019 Award of Excellence in Technology Transfer to Industry, Chung Yuan Christian University
- 2017 ACCE (USA) Antonio Hernandez International Clinical Engineering Award
- 2016 Chinese Institute of Engineers: Outstanding Engineering Professors Award
- 2016 CYCU Award of Outstanding Faculty, Chung Yuan Christian University
- 2015 Int. Conf. on Biomedical and Health Informatics (ICBHI 2015): The Best Paper Award

- 2015 Award of Excellence in Industry-Academy Cooperation, Chung Yuan Christian University
- 2015 Award of Outstanding Teaching, Chung Yuan Christian University
- 2015 Award of Outstanding Faculty, Chung Yuan Christian University
- 2014 Award of Excellence in Technology Transfer to Industry, Chung Yuan Christian University
- 2014 Award of Excellence in Invention, Chung Yuan Christian University
- 2012 Journal of Medical & Biological Engineering (JMBE) (SCI Journal): The Best Annual Paper Award
- 2012 Chinese Institute of Engineers: The Best Annual Paper Award

Major Achievements

(a) Patents

- Handheld Optical Skin Detection for Ulcer, (TW xxxxxxx), March 15, 2022
- Method and System for Automatically Delineating Striatum in Nuclear Medicine Brain Image and Calculating Specific Uptake Ratio of Striatum (US11094065 B2), April 15, 2021
- Local Subcutaneous Microcirculation Detection Device (103151-TW-PA patent application is ongoing), Oct, 2020
- System and Method of Automatically Setting Striatum Region in Nuclear Medicine Brain Image and Calculating Striatum Specific Uptake Ratio (TW I686178), March 1, 2020
- Breathing mask (TW M473221U), Nov. 22, 2013.
- Simple measuring device for arteriosclerosis (TW M473189U), Nov. 22, 2013.
- Audio and optical pressure multi-parameter arterial measurement device (TW M451943U1), May 1, 2013.
- Self-power-generating respiration monitoring device (TW M451945U1), May 1, 2013.
- Visual diode technique arteriosclerosis measurement device (TW M451941U1), May 1, 2013.
- Mouth cavity photographing device (TW M452357U1), May 1, 2013.
- Automated external defibrillator with panoramic photography (TW M445992U1), Feb. 1, 2013.
- Electrode patch (TW M433209U1), Nov. 18, 2011.
- System for measuring pulse pressure signal and measuring method thereof (TW I459926B), Nov. 11, 2011.
- Optical apparatus for measuring the velocity of flowing biomaterials (USPN:7,030,970), April.18, 2006.
- Apparatus and method for pulse detection (USPN:7,270,636), Sept. 18, 2007.
- Biochemical labeling materials and manufacturing method thereof (USPN:7,338,812), March 4,2008.
- Core-shell magnetic nanoparticles comprising an inner-transition element (USPN:7,396,589), July 8, 2008.
- Device for measuring electrocardiogram with tapeless format and its method (USPN: 7,471,976), Dec. 30, 2008.
- Magnetic nanoparticles comprising Gadolinium and method of fabrication (USPN: 7,504,082), March 17, 2009.

(b) Books (chapter)

- Kang-Ping Lin (Ed.), Ratko Magjarević (Ed.) & Paulo Carvalho (Ed.), "Future Trends in Biomedical and Health Informatics and Cybersecurity in Medical Devices" IFMBE Proceeding, Springer Nature, 2020.
- Kang-Ping Lin & Trai Kao, "Introduction of Biomedical Engineering", 2010. (Chinese Version)
- Kang-Ping Lin, Hong-Dun Lin, Chin-Lung Yu, Liang-Chih Wu, Ren-Shyan Liu, "Brain Tissue Clustering Based on Parametric Analysis", Quantification of Brain Function Using PET, 2002.
- S. C. Huang, J. Yang, C. L. Yu, Kang-Ping Lin, "Performance Characterization of a feature-Matching Axial Smoothing Method for Brain PET Image", Quantification of Brain Function Using PET, 1998.

(c) Research grants (2014~2021)

- Biomarker coated wafer manufacturing process and development of optical rapid quantitative detector for liver Cancer (2014~2016)
- Medical device design for bone fracture treatment and safety testing studies (2014~2019)
- Evaluation study of management on medical device based on medical cosmetic products (2014~2015)
- An evaluation program focused on training clinical engineers in seed hospitals for medical equipment/ device post-market surveillance (2014~2019)
- LSPR structural design for biomarker coating based on simulation and detector safety testing (2014~2015)
- Image acquisition system for tongue diagnostics (2014~2015)

- Investigation on the business model of specific medical equipment industry and the current situation of PVC-containing medical devices (2014~2015)
- Multifunctional digital meter design (2014~2015)
- Analysis of microcirculation blood flow using multiple light source LEDs combined with high-speed camera system (2014~2017)
- Portable Automated external defibrillator (2015~2017)
- Method for optimizing local surface plasma resonance (LSPR) biochip (2015~2016)
- Case study for metal bone plate tests (2015~2016)
- Development of automated semi-quantitative primary Parkinson's software system and clinical software validation for SPECT images (2015~2018)
- Exercises and daily living capability monitoring for Stroke patients and Application of Intelligent Assistance System (2016~2019)
- Portable and wearable treatment device based on optical heating and micro-electrical stimulating technologies for dementia prevention (2018~2020)
- Implementation of wearable device system based on acupuncture therapy theory for traditional Chinese medicine applied to dementia (2019~2022)

(d) Journal Papers (2010 ~2022)

1. Hsu-Heng Yen, Ping-Yu Wu, Tung-Lung Wu, Siou-Ping Huang, Yang-Yuan Chen, Mei-Fen Chen, Wen-Chen Lin, Cheng-Lun Tsai, Kang-Ping Lin*, "Forrest Classification for Bleeding Peptic Ulcer: A New Look at the Old Endoscopic Classification", *Diagnostics* (SCI IF= 3.706) (accepted in 2022)
2. Hsu-Heng Yen, Ping-Yu Wu, Mei-Fen Chen, Wen-Chen Lin, Cheng-Lun Tsai, **Kang-Ping Lin*** "Current Status and Future Perspective of Artificial Intelligence in the Management of Peptic Ulcer Bleeding: A Review of Recent Literature", *Journal of Clinical Medicine*, 10(16), 3527, 2021. (SCI IF=4.241)
3. Hsu-Heng Yen, Ping-Yu Wu, Pei-Yuan Su, Chia-Wei Yang, Yang-Yuan Chen, Mei-Fen Chen, Wen-Chen Lin, Cheng-Lun Tsai, **Kang-Ping Lin***, "Performance Comparison of the Deep Learning and the Human Endoscopist for Bleeding Peptic Ulcer Disease", *Journal of Medical and Biological Engineering (JMBE)*, 41: 504–513, 2021. (SCI IF=1.173)
4. Shun-Ping Wang, Kun-Jhih Lin, Cheng-En Hsu, Chao-Ping Chen, Cheng-Min Shih, **Kang-Ping Lin***, "Biomechanical Comparison of a Novel Implant and Commercial Fixation Devices for AO/OTA 43-C1 Type Distal Tibial Fracture", *Applied Sciences*, 11(10): 4395, 2021. (SCI IF=2.474)
5. Han-Kuei Wu, Ming-Yang Chang, Hao-Min Cheng, Po-Chi Hsu, Lun-Chien Lo, Li-Chuan Chen, **Kang-Ping Lin**, Hen-Hong Chang, "Low central blood pressure and sympathetic activity predispose for the development of intradialytic hypotension", *Medicine*, 100(14) p e25299, 2021. (SCI IF=1.553)
6. Meilan Jimmy Hasugian, Wen-Chen Lin, Mei-Fen Chen, Bang-Hung Yang, Ren-Shyan Liu, **Kang-Ping Lin***, "Auto-ROIs of bone scan image using thin-plate spline with specific bone landmarks", *Health and Technology*, 10(6): 1469-1484, 2020.
7. Bang-Hung Yang, **Kang-Ping Lin**, Mei-Fen Chen, Jui-Hung Weng, Pan-Fu Kao, Wen-Chen Lin, Ren-Shyan Liu, "Automatic striatal ROI delineation for semi-quantitative analysis of ^{99m}Tc-TRODAT-1 brain SPECT imaging", *Journal of Medical and Biological Engineering (JMBE)*, 40(3): 428-439, 2020. (SCI IF=1.173)
8. Xiao-Hua Pan, Wen-Chuan Chen, Kun-Jhih Lin, **Kang-Ping Lin**, Cheng-Lung Tsai and Hung-Wen Wei, "Effect of semi-rigid locking screws on the stiffness of a fracture-fixation construct: A conceptual finite-element study", *Advances in Mechanical Engineering*, 11(6): 1-7, 2019 (SCI IF=1.024)
9. Mei-Fen Chen, Cheng-Lun Tsai, Yung-Hsin Chen, Cheng-Ning Wu, Ching Chou, Chia-Hung Chien, Pei-Weng Tu, Tsair Kao, **Kang-Ping Lin***, "Comparative study of regulations of devices for aesthetic purposes: US, European Union, China, and Taiwan", *Journal of Medical and Biological Engineering (JMBE)*, 40(1): 101-111, 2019 (SCI IF=1.173)
10. Hung-Ming Shen, Chien-Song Chyang, **Kang-Ping Lin**, Mei-Feng Chen, "Fluidized bed incinerator for medical waste that generates no residual dioxin: a mini-review", *Journal of the Chinese Institute of Engineers*, 42(5): 438-448, 2019. (SCI IF=0.471)
11. Hao-Yu Jan, Mei-Fen Chen, Tieh-Cheng Fu, Wen-Chen Lin, Cheng-Lun Tsai, **Kang-Ping Lin**, "Evaluation of Coherence Between ECG and PPG Derived Parameters on Heart Rate Variability and Respiration in Healthy Volunteers With/Without Controlled Breathing", *Journal of Medical and Biological Engineering*, 39: 783-795, 2019 (SCI IF=1.173)
12. Mei-Fen Chen, Cheng-Lun Tsai, Yung-Hsin Chen, Yu-Wen Huang, Cheng-Ning Wu, Ching Chou, Chia-Hung Chien, Pei-Weng Tu, Tsair Kao, **Kang-Ping Lin***, "Web-Based User Experience Sharing Platform for Medical Devices in Hospitals", *Journal of Medical and Biological Engineering*, 38(5): 835–844, 2018 (SCI IF=0.989)

13. Chen-Chiang Lin, **Kang-Ping Lin**, Chuan-Ching Huang, Wen-Chuan Chen, Hung-Wen Wei, Cheng-Lun Tsai, Kun-Jhih Lin, "Partially threaded headless screw may benefit adequate interfragmentary compression and reduced driving torque for small bone fixation", *Journal of Orthopaedic Surgery*, 26(1) 1–6, 2018.
14. Sheng-Cheng Huang, Liang-Chih Wu, Wen-Chen Lin, **Kang-Ping Lin**, Ren-Shyan Liu, "Adaptive Weighted Nonlinear Least Squares Method for Fluorodeoxyglucose Positron Emission Tomography Quantification", *Journal of Medical and Biological Engineering*, 38(1): 63-75, 2018 (SCI IF=0.989)
15. Jesse Chieh-Szu Yang, **Kang-Ping Lin**, Hung-Wen Wei, Wen-Chuan Chen, Chao-Ching Chiang, Ming-Chau Chang, Cheng-Lun Tsai, Kun-Jhih Lin, "Importance of a moderate plate-to-bone distance for the functioning of the far cortical locking systems", *Medical Engineering & Physics*, 56: 48-53, 2018
16. Sheng-Cheng Huang, Hao-Yu Jan, Tieh-Cheng Fu, Wen-Chen Lin, Geng-Hong Lin, Wen-Chi Lin, Cheng-Lun Tsai, **Kang-Ping Lin***, "Weighted Polynomial Approximation for Automated Detection of Inspiratory Flow Limitation", *Computational and Mathematical Methods in Medicine*, 2017: 2750701, 2017 (SCI IF=0.887)
17. Jesse Chieh-Szu Yang, Kun-Jhih Lin, Wen-Chuan Chen, Hung-Wen Wei, Cheng-Lun Tsai, **Kang-Ping Lin**, Pei-Yuan Lee, "Morphometric Analysis of the Clavicles in Chinese Population", *BioMed Research International*, 2017: 8149109, 2017 (SCI IF=2.134)
18. Tieh-Cheng Fu, Wen-Chen Lin, Jong-Shyan Wang, Chao-Hung Wang, Chun-Tien Chang, Cheng-Lun Tsai, Yun-Shien Lee, **Kang-Ping Lin**, "Detection of Exercise Periodic Breathing Using Thermal Flowmeter in Patients with Heart Failure", *Medical & Biological Engineering & Computing*, 55(8): 1189-1198, 2017(SCI IF=2.039)
19. Chia-Hung Chu, Yan-Yu Chen, **Kang-Ping Lin**, Wen-Chuan Chen, Pei-Yuan Lee, "Anatomic Locking Plate for Displaced Intraarticular Calcaneal Fracture: Design and Application", *The Journal of Foot and Ankle Surgery*, 56(5), DOI 10.1053/j.jfas.2017.05.030, 2017
20. Wen-Chen Lin, Kuan-Chou Chen, Sheng-Cheng Huang, Cheng-Lun Tsai, **Kang-Ping Lin**, "Improvement in Quantitative Analysis of RBCs Velocity in Microcirculation Based on Block-matching Motion Estimation", *IFMBE Proceedings 65, EMBEC & NBC 2017*, DOI: 10.1007/978-981-10-5122-7_35, 2017
21. Kuan-Chou Chen, Sheng-Cheng Huang, Wen-Chen Lin, Cheng-Lun Tsai, **Kang-Ping Lin***, "Collision avoidance system for unmanned vehicle", *Journal of Advanced Engineering*, 12(3): 133-139, 2017
22. Bin Yu, Wen-Chuan Chen, Pei-Yuan Lee, **Kang-Ping Lin**, Kun-Jhih Lin, Cheng-Lun Tsai, Hung-Wen Wei, "Biomechanical Comparison of Conventional and Anatomical Calcaneal Plates for the Treatment of Intraarticular Calcaneal Fractures – A Finite Element Study", *Computer Methods in Biomechanics and Biomedical Engineering*, 19(13): 1363-1370, 2016
23. Chen-Chiang Lin, Kun-Jhih Lin, Wen-Chuan Chen, Hung-Wen Wei, **Kang-Ping Lin**, Cheng-Lun Tsai, "Larger Screw Diameter May Not Guarantee Greater Pullout Strength for Headless Screws – A Biomechanical Study", *Biomedical Engineering/ Biomedizinische Technik*, 62(3), DOI 10.1515/bmt-2016-0090, 2016
24. Teng-Le Huang, Wen-Chuan Chen, Kun-Jhih Lin, Cheng-Lun Tsai, **Kang-Ping Lin**, Hung-Wen Wei, "Conceptual Finite Element Study for Comparison among Superior, Anterior, and Spiral Clavicle Plate Fixations for Midshaft Clavicle Fracture", *Medical Engineering and Physics*, 38(10): 1070-1075, 2016
25. Ya-Kui Zhang, Hung-Wen Wei, **Kang-Ping Lin**, Wen-Chuan Chen, Cheng-Lun Tsai, Kun-Jhih Lin, "Biomechanical Effect of the Configuration of Screw Hole Style on Locking Plate Fixation in Proximal Humerus Fracture with a Simulated Gap: A Finite Element Analysis", *Injury*, 47(6): 1191-5, 2016 (SCI, IF=2.462)
26. Pei-Yuan Lee, Kun-Jhih Lin, Hung-Wen Wei, Jin-Jia Hu, Wen-Chuan Chen, Cheng-Lun Tsai, **Kang-Ping Lin**, "Biomechanical Effect of Different Femoral Neck Blade Position on the Fixation of Intertrochanteric Fracture: A Finite Element Analysis", *Biomed Tech (Berl)*, 61(3), DOI 10.1515/bmt-2015-0091, 2016 (SCI, IF=1.157)
27. Wei-Ying Kuo, Chun-Yi Wu, Luen Hwu, Jhih-Shian Lee, Cheng-Han Tsai, **Kang-Ping Lin**, Hsin-Ell Wang, Teh-Ying Chou, Chun-Ming Tsai, Juri Gelovani, Ren-Shyan Liu, "Enhancement of Tumor Initiation and Expression of KCNMA1, MORF4L2 and ASPM Genes in the Adenocarcinoma of Lung Xenograft after Vorinostat Treatment", *Oncotarget*, 6(11): 8663-8675, 2015 (SCI, IF=6.627)
28. Yang-Hsien Lina, **Kang-Ping Lin**, Shih-Min Huang, Hui-Ting Lu, Tien-Hsiang Lin, Tzung-Chi Huang, "Left Ventricle Segmentation in Dynamic Cardiac CT Using Random Walks Method", *Journal of X-Ray Science and Technology*, 23: 25-31, 2015 (SCI, IF=1.398)
29. Yang-Hsien Lina, Yung-Hui Huang, **Kang-Ping Lin**, Juhn-Cherng Liu, Tzung-Chi Huang, "Ventricular Hemodynamics Using Cardiac Computed Tomography and Optical Flow Method", *Journal of X-Ray Science and Technology*, 22(1): 129-136, 2014 (SCI)
30. Ya-Ju Hsieh, Luen Hwu, Chien-Chih Ke, Skye Hsin-Hsien Yeh, Chien-Feng Lin, Fu-Du Chen, Hsin-Ell Wang, **Kang-Ping Lin**, Ran-Chou Chen, Ren-Shyan Liu "Rational Design of a Triple Reporter Gene for Multimodality Molecular Imaging", *BioMed Research International*, 2014: 605358, 2014 (SCI)
31. Ya-Ju Hsieh, Luen Hwu, Yi-Chieh Chen, Chien-Chih Ke, Fu-Du Chen, Hsin-Ell Wang, **Kang-Ping Lin**, Hsin-Hsien Yeh, Chi-Wei Chang, Ren-Shyan Liu, "P21-Driven Multifusion Gene System for Evaluating the Efficacy of Histone Deacetylase Inhibitors

- by in Vivo Molecular Imaging and for Transcription Targeting Therapy of Cancer Mediated by Histone Deacetylase Inhibitor" *Journal of Nuclear Medicine*, 55(4): 678-685, 2014 (SCI)
32. Kun-Jhih Lin, Hung-Wen Wei, **Kang-Ping Lin**, Cheng-Lun Tsai, Pei-Yuan Lee, "Proximal Femoral Morphology and the Relevance to Design of Anatomically Precontoured Plates: A Study of the Chinese Population", *The Scientific World Journal*, 2014: 106941, 2014
 33. Yao-Jen Chang, **Kang-Ping Lin**, Li-Der Chou, Shu-Fang Chen, Tian-Shyan Ma, "Statistical Anomaly Detection for Individuals with Cognitive Impairments", *IEEE Journal of Biomedical and Health Informatics*, 18(1): 384-390, 2014 (SCI)
 34. Po-Yu Huang, Wen-Chen Lin, Bill Yuan-Chi Chiu, Hen-Hong Chang, **Kang-Ping Lin**, "Regression Analysis of Radial Artery Pulse Palpation as a Potential Tool for Traditional Chinese Medicine Training Education" *Complementary Therapies in Medicine*, 21(6): 649-659, 2013 (SCI)
 35. Yue-Der Lin, Hu-Ying Ho, Ching-Che Tsai, Shih-Fan Wang, **Kang-Ping Lin**, Heng-Hong Chang, "Simultaneous Heartbeat and Respiration Monitoring Using PPG and Riiv on a Smartphone Device", *Biomedical Engineering: Applications, Basis and Communications*, 25(4): 1350041, 2013 (EI)
 36. Yue-Der Lin, Ya-Hsueh Chien, Shih-Fan Wang, Cheng-Lun Tsai, Hen-Hong Chang, **Kang-Ping Lin**, "Implementation of Multiple-Channel Capacitive ECG Measurement Based on Conductive Fabric", *Biomedical Engineering: Applications, Basis and Communications*, 25(6): 1350052, 2013 (EI)
 37. Wen-Chen Lin, Chih-Chieh Wu, Tzung-Chi Huang, Wen-Chi Lin, Bill Yuan-Chi Chiu, Ren-Shyan Liu, **Kang-Ping Lin**, "Red Blood Cell Velocity Measurement in Rodent Tumor Model: An in vivo Microscopic Study", *Journal of Medical and Biological Engineering*, 32(2): 97-102, 2012 (SCI)
 38. Yi-Rou Lin, Cheng-Lun Tsai, Shu-Fen Cheng, Chao-Min Wu, Yue-Der Lin, Hen-Hong Chang, **Kang-Ping Lin**, "Simulation and Measurement of Skull Vibration with A Bone Conduction Hearing Aid", *Biomedical Engineering: Applications, Basis and Communications*, 24(5): 10.4015, 2012 (EI)
 39. Ya-Ju Hsieh, Fu-Du Chen, Chien-Chin Ke, Hsin-Ell Wang, Chin-Jen Huang, Ming-Feng Hou, **Kang-Ping Lin**, Juri G. Gelovano, Ren-Shyan Liu, "The EIIAPA Chimeric Promoter for Tumor Specific Gene Therapy of Hepatoma", *Molecular Imaging and Biology*, 14(4): 452-61, 2012 (SCI)
 40. Tzu-Ching Shih, Geoffrey Zhang, Chih-Chieh Wu, Hung-Da Hsiao, Tung-Hsin Wu, **Kang-Ping Lin**, Tzungchi Huang, "Hemodynamic Analysis of Capillary in Finger Nail-Fold Using Computational Fluid Dynamics and Image Estimation", *Microvascular Research*, 81(1): 68-72, 2011 (SCI)
 41. Wen-Chen Lin, Chih-Chieh Wu, Geoffrey Zhang, Tung-Hsin Wu, Yang-Hsien Lin, Tzung-Chi Huang, Ren-Shyan Liu, **Kang-Ping Lin**, "An approach to Automatic Blood Vessel Image Registration of Microcirculation for Blood Flow Analysis on Nude Mice", *Computer Methods in Biomechanics and Biomedical Engineering*, 14(4): 319-330, 2011 (SCI)
 42. Chih-Chieh Wu, Wen-Chen Lin, Geoffrey Zhang, Chin-Wen Chang, Ren-Shyan Liu, **Kang-Ping Lin**, Tzung-Chi Huang, "Accuracy Evaluation of RBC Velocity Measurement in Nail-Fold Capillaries", *Microvascular Research*, 81(3): 252-260, 2011 (SCI)
 43. Fu-Hsuan Huang, Po-Jung Yuan, **Kang-Ping Lin**, Hen-Hong Chang, Cheng-Lun Tsai, "Analysis of Reflectance Photoplethysmograph Sensors", *International Scholarly and Scientific Research & Innovation*, 5(11): 622-625, 2011
 44. Tzung-Chi Huang, Wen-Chen Lin, Geoffrey Zhang, **Kang-Ping Lin**, "Experimental Estimation of Blood flow Velocity through Simulation of Intravital Microscopic Imaging in Micro-vessels by Different Image Processing Methods", *Microvascular Research*, 80(3): 477-83, 2010 (SCI)
 45. Chih-Chieh Wu, Heyu Wu, Yuan-Chuan Tai, **Kang-Ping Lin**, Ren-Shyan Liu "Evaluation of Scatter Fraction and Noise Equivalent Count Rate Performance of the Micro-PET F-220 Scanner Integrated with the Micro Insert Device", *Journal of Medical and Biological Engineering*, 30(4): 261-266, 2010 (SCI)

(e) International Conference Papers (2016 ~2022)

1. Hsu-Heng Yen, Ping-Yu Wu, Kang-Ping Lin, "Predicting Nomogram for Endoscopic Resection of Subepithelial Tumors of the Upper Gastrointestinal Tract", 36th Joint Annual Conference of Biomedical Science (JACBS 2022), Taipei, Taiwan.
2. En Chuang, Shao-Hung, Lu, Kang-Ping Lin, Cheng-Lun Tsai, Wen-Chih Lin, Wen-Chen Lin, "Pressure Ulcer with AI Health Care", 36th Joint Annual Conference of Biomedical Science (JACBS 2022), Taipei, Taiwan.
3. Teng-Bin Chang, Ping-Yu Wu, Shao-Hung Lu, Wen-Chen Lin, Kang-Ping Lin, "Tongue Diagnosis with Deep Learning to Recognize Unhealthy Tongue", 36th Joint Annual Conference of Biomedical Science (JACBS 2022), Taipei, Taiwan.
4. Ya-Chun Hsu, Ping-Yu Wu, Po-Yu Huang, Kang-Ping Lin, "Voice Classification for Qi Vacuity Pattern using Long Short Term Memory", 36th Joint Annual Conference of Biomedical Science (JACBS 2022), Taipei, Taiwan.
5. Teng-Bin Chang, Ping-Yu Wu, Shao-Hung Lu, Wen-Chen Lin, **Kang-Ping Lin***, "Home tongue diagnosis app with deep learning to detect hypoxia", Annual Meeting of Taiwanese Society of Biomedical Engineering (TSBME 2021), Taichung,

Taiwan.

6. En Chuang, Mei-Fen Chen, Shao-Hung, Lu, Wen-Chen Lin, Wen-Chi Lin, Cheng-Lun Tsai, **Kang-Ping Lin***, “Cuffless Blood Pressure Measurement of Wearable Chest Device”, Annual Meeting of Taiwanese Society of Biomedical Engineering (TSBME 2021), Taichung, Taiwan.
7. Ming-Hsien Yu, Ya-Chun Hsu, Shun-Ku Lin, Po-Yu Huang, Wen-Chen Lin, Wen-Chi Lin, Cheng-Lun Tsai, **Kang-Ping Lin***, “A Head-wearing Device Based on Scalp Acupuncture Theory for Mild Cognitive Impairment”, Annual Meeting of Taiwanese Society of Biomedical Engineering (TSBME 2021), Taichung, Taiwan.
8. **Kang-Ping Lin**, “Wearable LTBP Detected During Sleep”, 4th International Conference on Biomedical and Health Informatics (ICBHI 2021), Seoul, South Korea.
9. **Kang-Ping Lin**, “CE-OT Management on AI-Software as a Medical Device in Hospitals”, International Clinical Engineering and Health Technology Management Congress (ICEHTMC 2021), Virtual Congress, 2021.
10. **Kang-Ping Lin**, “How a Clinical Engineer to Practice in Evident-based, 31st Annual Conference of the Japan Association for Clinical Engineers (JACE 2021), Japan.
11. **Kang-Ping Lin**, “Potentials and Challenges of Healthcare AI Technology for Medical Devices”, International Conference on Advancements of Medicine and Health Care through Technology (MediTech 2020), Cluj-Napoca, Romania.
12. Ming-Hsien Yu, Ming-Hao Yang, Wen-Chen Lin, Shun-Ku Lin, Po-Yu Huang, Cheng-Lun Tsai, **Kang-Ping Lin**, “Head-wearing Device Located at “Bai-Hui” for mimicking Acupuncture Performance”, 4th Global Conference on Biomedical Engineering (GCBME 2020), Taiwan.
13. Ming-Hao Yang, Cheng-Lun Tsai, Wen-Chen Lin, **Kang-Ping Lin**, “AF-ECG data augmentation for the needs of AF deep learning”, The 4th Global Conference on Biomedical Engineering (GCBME 2020), Taiwan.
14. **Kang-Ping Lin**, Wen-Chen Lin, “Posture Detection and Feature Analysis Using Wearable IMU Sensors”, 42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society in conjunction with the 43rd Annual Conference of the Canadian Medical and Biological Engineering Society (IEEE-EMBS), Québec, Canada (Online conference) (2020)
15. **Kang-Ping Lin**, Wen-Chien Chen, Mei-Feng Chen, Ming-Chih Yang, Mei-Chu Chen, Chih-Chieh Shih, Chao-Yuan Hsu, Ke-Hong Lin, Chien-Wen Lai, “CE-IT Alarm Management Technology to Improve Alarm Fatigue and Precision Nursing Based on Physiological Monitor Signals”, 17th International Conference on Biomedical Engineering (ICBME 2019), Singapore
16. **Kang-Ping Lin**, “Evident Based BME Education for the New Generation”, VIII Latin American Conference on Biomedical Engineering (CLAIB 2019), Cancun, Mexico.
17. Meilan Jimmy Hasugian, Wen-Chen Lin, Mei-Fen Chen, **Kang-Ping Lin**, “Microvascular structure detection in tumor tissue based on microcirculatory images”, The 9th WACBM World Congress on Bioengineering (WACBE 2019), Taipei, Taiwan.
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