

## 李清和近五年著作目錄

Updated 2012/3/1

### A. 學術期刊論文(Refereed Journal Papers)

1. Ching-Her Lee, Tsung-Han Chang, Chung-I G. Hsu, and Jhih-Hong Chang, "Balanced wideband BPF design using stub-loaded multi-mode resonator for MB-OFDM application," *Microwave and Optical Technology Lett.*, Feb. 2012. (Submitted) (SCI Expanded)
2. Ching-Her Lee, Chung-I G. Hsu, and Chung-Jung Chen, "Band-notched balanced UWB BPF design using non-uniform slotline resonator," *IEEE Microwave and Wireless Components Lett.*, Jan. 2012. (Accepted)
3. Ching-Her Lee, Chung-I G. Hsu, Hsun-Hsiang Chen, and Yu-Sen Lin, "Balanced single- and dual-band BPFs using ring resonators," *Progress In Electromagnetics Research*, vol. 116, 333-346, 2011. (SCI)
4. Chow-Yen-Desmond Sim, Po-Chun Cheng, and Ching-Her Lee, "Compact size planar folded PIFA design for mobile handset," *Microwave and Optical Technology Lett.*, vol. 53, no. 5, pp. 1045-1050, May 2011. (SCI Expanded)
5. Chow-Yen-Desmond Sim, Po-Chun Cheng, and Ching-Her Lee, "Low-profile multiband planar hybrid antenna design for mobile handset applications," *Microwave and Optical Technology Lett.*, vol. 53, no. 4, pp. 910-915, Apr. 2011. (SCI Expanded)
6. Chow-Yen-Desmond Sim<sup>P</sup>, Wen-Tsan Chung, and Ching-Her Lee, "Planar UWB antenna with 5-GHz band rejection switching function at ground plane," *Progress In Electromagnetics Research*, vol. 106, pp. 321-333, 2010. (SCI)
7. Chow-Yen-Desmond Sim, Wen-Tsan Chung, and Ching-Her Lee, "Compact slot antenna for UWB applications," *IEEE Antennas and Wireless Propagation Lett.*, vol. 9, pp. 63-66, 2010. (SCI)
8. Chung-I G. Hsu, Chih-Chan Hsu, Ching-Her Lee, and Shun-Hsiang Chen, "Balanced dual-band BPF using only equal-electric-length SIRS for common-mode suppression," *Journal of Electromagnetic Waves and Applications*, vol. 24, no. 5/6, pp. 695-705, 2010. (SCI Expanded) (NSC 98-2221-E-018-005)
9. Ching-Her Lee, Chung-I G. Hsu, and Chih-Chan Hsu, "Balanced dual-band BPF with stub-loaded SIRs for common-Mode suppression," *IEEE Microwave and Wireless Components Lett.*, vol. 20, no. 2, pp.70-72, Feb. 2010. (NSC 98-2221-E-018-005)
10. Ching-Her Lee, I-Chin Wang, and Chung-I G. Hsu, "Dual-band balanced BPF using /4 stepped-impedance resonators and folded feed lines," *Journal of Electromagnetic Waves and Applications*, vol. 23, no. 17/18, pp.2441-2449, 2009. (SCI Expanded) (NSC 98-2221-E-018-005)

11. Wen-Tsan Chung, Ching-Her Lee, and Chow-Yen-Desmond Sim, "Compact Monopole Antenna Design for WLAN/UWB Applications," *Microwave and Optical Technology Lett.*, vol. 51, no. 12, pp. 2874-2878, Dec. 2009. (SCI Expanded, EI)
12. Ching-Her Lee, Chung-I G. Hsu, and Lian-Yu Chen, "Band-notched UWB BPF design using combined modified quarter-wavelength TSSIR," *IET Microwaves, Antennas & Propagation*, vol. 3, Iss. 8, pp. 1232-1236, Dec. 2009. (SCI) (NSC 97-2221-E-018-018)
13. Po-Chun Cheng<sup>P</sup>, Chow-Yen-Desmond Sim, and Ching-Her Lee, "Multi-band printed internal monopole antenna for mobile handse applications," *Journal of Electromagnetic Waves and Applications*, vol. 23, no. 13, pp. 1733-1744, 2009. (SCI Expanded)
14. Chow-Yen-Desmond Sim<sup>P</sup>, Po-Chun Cheng, and Ching-Her Lee, " Multi-band loop antenna design for mobile devices," *Microwave and Optical Technology Lett.*, vol. 51, no. 9, pp. 2242-2248, Sept. 2009. (SCI Expanded, EI)
15. Li-Min Wang, Min-Chih Chang, Shiun-Fa Li, Jhe-Wei Liou, Chiuann-Yu Shiau, Chung-I G. Hsu, and Ching-Her Lee, "Quarter-Wavelength Stepped-Impedance YBCO Resonators for Miniaturized Dual-Band High-Tc Superconducting Filters," *IEEE Transactions on Applied Superconductivity*, vol. 19, no. 3, pp. 895-898, Jun. 2009. (SCI)
16. Ching-Her Lee, Chung-I G. Hsu, and Yu-Cheng Chen, "Design of dual-band bandpass filter incorporating tri-section SIRs and CPW SIRs," *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, vol. 18, no.1, pp. 13-18, Jun. 2009. (EI) (NSC 97-2221-E-018-018)
17. Chow-Yen-Desmond Sim<sup>P</sup>, Wen-Tsan Chung, and Ching-Her Lee, "A circular-disc monopole antenna with band-rejection function for UWB application," *Microwave and Optical Technology Lett.*, vol. 51, no. 6, pp. 1607-1613, June 2009. (SCI Expanded, EI)
18. Ching-Her Lee, Chung-I G. Hsu, and Yu-Cheng Chen, "Compact tri-band BPF design using spur-line-loaded tri-section SIRs," *Microwave and Optical Technology Lett.*, vol. 51, no. 4, pp. 989-991, Apr. 2009. (SCI Expanded, EI) (NSC 96-2221-E-018-002)
19. Yu-Cheng Chen, Ching-Her Lee, and Chung-I G. Hsu, "A compact CPW-fed UWB BPF using combined microstrip SIR," *Microwave and Optical Technology Lett.*, vol. 51, no.4, pp. 918-921, Apr. 2009. (SCI Expanded, EI) (NSC 96-2221-E-018-002)
20. I-Chin Wang, Ching-Her Lee, and Chung-I G. Hsu, "Design of band-notched UWB BPF with very wide upper stopband using combined  $\lambda/4$  TSSIR," *Journal of Electromagnetic Waves and Applications*, vol. 23, no. 2/3, pp. 183-194, 2009. (SCI Expanded) (NSC 97-2221-E-018-018)
21. Chow-Yen-Desmond Sim<sup>P</sup>, Wen-Tsan Chung, and Ching-Her Lee, "An octagonal UWB monopole antenna with 5 GHz band-notch function," *Microwave and Optical Technology Lett.*, Vol. 51, No. 1, pp. 74-78, Jan. 2009. (SCI Expanded, EI)
22. Ching-Her Lee, I-Chin Wang, and Lian-Yu Chen, "MMR-based band-notched UWB bandpass filter design," *Journal of Electromagnetic Waves and Applications*, vol. 22, no.

- 17/18, pp. 2407-2415, 2008. (SCI Expanded) (NSC 97-2221-E-018-018)
23. Chow-Yen-Desmond Sim<sup>P</sup>, Wen-Tsan Chung, and Ching-Her Lee, "Printed UWB monopole antenna embedded with L-shaped slots in the ground plane for 5-GHz band-notch function," *Journal of Electromagnetic Waves and Applications*, vol. 22, no. 14/15, pp. 1965-1974, 2008. (SCI Expanded, EI)
  24. Lian-Yu Chen, Ching-Her Lee, and Chung-I G. Hsu, "Novel UWB BPF design using modified tri-section MMR," *Microwave and Optical Technology Lett.*, vol. 50, no. 11, pp. 2904-2907, Nov. 2008. (SCI Expanded, EI) (NSC 96-2221-E-018-002)
  25. Ching-Her Lee, Chung-I G. Hsu, and Lian-Yu Chen, "Wideband bandpass filter for MB-OFDM application," *Microwave and Optical Technology Lett.*, vol. 50, no. 10, pp. 2587-2590, Oct. 2008. (SCI Expanded, EI) (NSC 96-2221-E-018-002)
  26. Chow-Yen-Desmond Sim<sup>P</sup>, Wen-Tsan Chung, and Ching-Her Lee, "Novel band-notch UWB antenna design with slit ground plane," *Microwave and Optical Technology Lett.*, vol. 50, no. 8, pp. 2229-2233, Aug. 2008. (SCI Expanded, EI)
  27. Yi-Huan Hsieh, Ching-Her Lee, and Chung-I G. Hsu, "Design of spur-line-loaded cross-coupled dual-band bandpass filter with wide upper-end stopband," *Microwave and Optical Technology Lett.*, vol. 50, no. 3, pp. 691-694, Mar. 2008. (SCI Expanded, EI) (NSC 95-2221-E-018-006)
  28. Chung-I G. Hsu, Ching-Her Lee, and Yi-Huan Hsieh, "Tri-band bandpass filter with sharp passband skirts designed using tri-section SIRs," *IEEE Microwave and Wireless Components Lett.*, vol. 18, no. 1, pp. 19-21, Jan. 2008. (SCI, EI) (NSC 96-2221-E-018-002)
  29. Pow-Wen Chen, Hao-Hung Ho, Min-Hua Ho, Ching-Her Lee, "Dual-band filter design of combined half and quarter wavelength SIRs for WLAN applications," *Microwave and Optical Technology Lett.*, vol. 50, no. 1, pp. 13-15, Jan. 2008. (SCI Expanded, EI)
  30. Che-Wei Su, Ching-Her Lee, Shih-Keng Huang, and Chung-I G. Hsu, "Circularly polarized curl antenna for 5.8 GHz band," *International Journal of Electrical Engineering*, vol. 14, no. 6, pp. 451-455, Dec. 2007. (EI)
  31. Ching-Her Lee, Yi-Huan Hsieh, and Min-Hua Ho, "Design of compact dual-band bandpass filters using  $\lambda/2$  and combined  $\lambda/4$  stepped-impedance resonators," *Microwave and Optical Technology Lett.*, vol. 49, no. 11, pp. 2703-2706, Nov. 2007. (SCI Expanded, EI) (NSC 95-2221-E-018-006)
  32. Che-Wei Su, Shih-Keng Huang, Ching-Her Lee, "CP microstrip antenna with wide beamwidth for GPS band application," *Electronics Lett.*, Vol. 43, No. 20, pp. 1062-1063, Sept. 2007.
  33. Chin-Jui Lai, Chung-I G. Hsu, Ching-Her Lee, and Jean-Fu Kiang, "Dispersion properties of circular dielectric waveguides loaded with periodic metal disks," *Microwave and Optical Technology Lett.*, vol. 49, no. 9, pp. 2057-2061, Sept. 2007. (SCI Expanded, EI)

34. Chung-I G. Hsu, Li-Ming Wang, Li-Shian Chen, and Ching-Her Lee, "Cross-coupled YBCO BPFs with wide upper stopband using quarter-wavelength stepped-impedance resonators," *Chinese Journal of Phys.*, vol. 45, no. 2-II, pp. 273-280, Apr. 2007. (SCI Expanded)
35. Chung-I G. Hsu, Ching-Her Lee, and He-Kai Jhuang, "Spiral SIRs form dual-band filter," *Microwaves & RF*, pp. 59-68, Apr. 2007. (SCI Expanded) (NSC 95-2221-E-018-006)
36. Chung-I G. Hsu, Ching-Her Lee, and He-Kai Jhuang, "Design of a novel quad-band microstrip BPF using quarter-wavelength stepped-impedance resonators," *Microwave Journal*, vol. 50, no. 2, pp. 102-112, Feb. 2007. (SCI, EI) (NSC 95-2221-E-018-006)
37. He-Kai Jhuang, Ching-Her Lee, and Chung-I G. Hsu, "Design of compact microstrip dual-band bandpass filters with  $\lambda/4$  stepped-impedance resonators," *Microwave and Optical Technology Lett.*, vol. 49, no. 1, pp. 164-168, Jan. 2007. (SCI Expanded, EI) (NSC 95-2221-E-018-006)

#### **B. 國際研討會論文 (Internationa conference papers)**

1. Chung-Jung Chen, Ching-Her Lee, Chung-I G. Hsu, and Jhih-Hong Chang, "Balanced UWB BPF design using slotline resonator," Proceedings of PIERS, Kuala Lumpur, Malaysia, Mar. 2012. (Accepted)
2. Jhih-Hong Chang, Yu-Sen Lin, Ching-Her Lee, Chung-I G. Hsu. "Balanced dual-band BPF design using ring resonators," IEEE International Workshop on Electromagnetics, Applications and Student Innovation Competition, Taipei, Taiwan, Aug. 2011
3. Chung-jung Chen , Siang-Wei Wang, Ching-Her Lee, Chung-I G. Hsu and Hsun-Hsiang Chen, "Wideband Balanced BPF Design for MB-OFDM Applications," TH1G-08, Session TH1G, 2010 Asia-Pacific Microwave Conf. (APMC2010), Yokohama, Japan, Dec. 2010.
4. Po-Chun Cheng, Chow-Yen-Desmond Sim, and Ching-Her Lee, "Design of a Hexa-band Antenna for Mobile Devices," 2009 Int'l Symp. on Antennas and Propagat. (ISAP09), WB2-5, Session WB2, Bangkok, Thailand, Oct. 2009.
5. I-Chin Wang, Chin-Her Lee, Lian-Yu Chen, and Chung-I G. Hsu, "Band-notched UWB bandpass filter design using tri-section SIR," E4-11, Session E4, 2008 Asia-Pacific Microwave Conf. (APMC2008), Hong-Kong, China, Dec. 2008.
6. Wen-Tsan Chung, Chow-Yen-Desmond Sim, and Ching-Her Lee, "A Ground-Slot Loaded UWB Antenna with 5 GHz Band Notch Function," Paper #1645333, TP-C14 (UWB antennas II), 2008 Int'l Symp. on Antennas and Propagat. (ISAP08), Taipei, Oct. 2008.
7. Ching-Her Lee, Lian-Yu Chen, I-Chin Wang, and Chung-I G. Hsu, "UWB BPF design using modified tri-section SIR," Paper #1645405, TP-B02 (Microwave Circuits 2), 2008 Int'l Symp. on Antennas and Propagat. (ISAP08), Taipei, Oct. 2008.
8. Lian-Yu Chen, Chung-I G. Hsu, and Ching-Her Lee, "A wideband bandpass filter using combined  $\lambda/4$  Stepped-Impedance Resonators," Session WeAP-O3, Antennas and

Propagation Track, IEEE TENCON 2007, Taipei, Taiwan, Oct. 2007.

9. Che Wei Su, Ching-Her Lee, and Yu-Bo Tzeng, "Hexagonal slot antennas for broadband CP operation," 2007 IEEE AP-S Int'l Symp., pp. 389-392, Honolulu, Hawaii, USA, June 2007.
10. Yu-Cheng Chen, Yi-Huan Hsieh, Ching-Her Lee, and Chung-I G. Hsu "Tri-band microstrip BPF design using tri-section SIRs," 2007 IEEE AP-S Int'l Symp., pp.3113-3116, Honolulu, Hawaii, USA, June 2007.

### C. 全國性研討會論文

1. 余弘翔、李清和、許崇宜，“以均勻阻抗共振器設計之三階平衡式寬頻帶通濾波器”，2010 National Symp. on Telecommunications (2010 年全國電信研討會), Taoyuan, Taiwan, Dec. 2010.
2. 林育聖、李清和、陳勛祥、許弘智，“以環形共振器設計之平衡式帶通濾波器”，2010 全國電磁相容技術與實務研討，雲林，台灣。
3. 徐培鈞、趙文浩、陳勛祥、李清和、許崇宜，“60-/77-GHz 毫米波雙頻帶通濾波器之設計”，2010 全國電磁相容技術與實務研討，雲林，台灣。
4. 張宗翰、李清和、許崇宜、陳勛祥，“以不同類型 SIRs 設計之平衡式雙頻帶通濾波器”，2010 全國電磁相容技術與實務研討會，雲林，台灣。
5. 王相為、陳勛祥、李清和、許崇宜，“40-GHz 毫米波平衡式帶通濾波器之設計”，2009 National Symp. on Telecommunications (2009 年全國電信研討會), Kaohsiung, Taiwan, Dec. 2009.
6. 鐘文燦、李清和、沈昭元，“具阻隔 5-GHz WLAN 系統功能之平面超寬頻天線設計,” D8-3, 2008 National Symp. on Telecommunications (2008 年全國電信研討會), Yunlin, Taiwan, Dec. 2008.
7. Hung-Chih Hsu and Ching-Her Lee, “Ring-type wideband bandpass filter for MB-OFDM application,” D1-4, 2008 National Symp. on Telecommunications (2008 年全國電信研討會), Yunlin, Taiwan, Dec. 2008.
8. 陳連彥，李清和，“改良式三節步階式阻抗共振器設計超寬頻帶通濾波器”，第三屆智慧生活科技研討會，論文集，pp.106 – 108, 台中，台灣，Apr. 2008。
9. 許智強、洪誠志、李清和、許崇宜，“以步階式阻抗共振器設計之微波三工器，”2007 年全國電信研討會，D12-4，台北，台灣，Nov. 2007。
10. Che-Wei Su, Shih-Keng Huang, and Ching-Her Lee, “L-shape planar metal antenna for broadband circularly polarized operation,” 2007 URSI National Radio Science Conference, Chung-Li, Taiwan, Mar. 2007.

### D. 專利 (Patents)

1. 李清和、謝屹桓、許崇宜，三頻微帶濾波器；中華民國專利，證書字號：I 344720；專利權期間：2011年7月1日至2028年5月5日。
2. 李清和、莊賀凱、許崇宜，三頻帶通濾波器；中華民國專利，證書字號：I 333327；專利權期間：2010年11月11日至2027年5月3日。
3. 李清和、莊賀凱、許崇宜：四頻帶通濾波器；中華民國專利，證書字號：I 329987；專利權期間：2010年9月1日至2027年7月26日。
4. 黃文亮、黃廷位、黃朝琴、何明華、李清和、蕭清松：微波電漿激發裝置；中華民國專利，證書字號：I 301732；專利權期間：2008年10月1日至2025年9月18日。