

Publications List of Chin-Liang Wang

(A) Journal Papers

1. **Chin-Liang Wang** and Jyun-Yu Chen, "Power allocation and relay selection for AF cooperative relay systems with imperfect channel estimation," *IEEE Transactions on Vehicular Technology*. (accepted for publication)
2. **Chin-Liang Wang** and Dong-Shing Wu, "A decentralized positioning scheme based on recursive weighted least squares optimization for wireless sensor networks," *IEEE Transactions on Vehicular Technology*, vol. 64, no. 10, pp. 4887-4893, Oct. 2015.
3. **Chin-Liang Wang** and Han-Wei Chen, "A new signal structure for active sensing in cognitive radio systems," *IEEE Transactions on Communications*, vol. 62, no. 3, pp. 822-835, March 2014.
4. **Chin-Liang Wang**, Dong-Shing Wu, and Kai-Jie Yang, "New decentralized positioning schemes for wireless sensor networks based on recursive least-squares optimization," *IEEE Wireless Communications Letters*, vol. 3, no. 1, pp. 78-81, Feb. 2014.
5. Dong-Shing Wu and **Chin-Liang Wang**, "A decentralized positioning method based on recursive weighted least absolute value optimization for wireless sensor networks," *IEEE Signal Processing Letters*, vol. 21, no. 1, pp. 18-21, Jan. 2014.
6. **Chin-Liang Wang** and Dong-Shing Wu, "Decentralized target positioning and tracking based on a weighted extended Kalman filter for wireless sensor networks," *Wireless Networks*, vol. 19, iss. 8, pp. 1915-1931, Nov. 2013.
7. **Chin-Liang Wang**, Ting-Nan Cho, and Kai-Jie Yang, "On power allocation and relay selection for a two-way amplify-and-forward relaying system," *IEEE Transactions on Communications*, vol. 61, no. 8, pp. 3146-3155, Aug. 2013.
8. **Chin-Liang Wang**, Yih-Shyh Chiou, and Fuan Tsai, "Reduced-complexity tracking scheme based on adaptive weighting for location estimation," *IET Communications*, vol. 7, iss. 7, pp. 673-684, May 2013.
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11. Syue-Ju Syue, **Chin-Liang Wang**, Teck Aguilar, Vincent Gauthier, and Hossam Afifi, "Cooperative geographic routing with radio coverage extension for SER-constrained wireless relay networks," *IEEE Journal on Selected Areas in Communications*, vol. 30, no. 2, pp. 271-279, Feb. 2012.
12. **Chin-Liang Wang** and Chiuan-Hsu Chen, "On the selection of partial cancellation factors for a two-stage hard-decision PPIC scheme in DS-CDMA systems," *IEEE Transactions on Wireless Communications*, vol. 10, no. 12, pp. 4008-4017, Dec. 2011.
13. Chiuan-Hsu Chen, **Chin-Liang Wang**, and Chih-Tsung Chen, "A resource allocation scheme for cooperative multiuser OFDM-based cognitive radio systems," *IEEE Transactions on Communications*, vol. 59, no. 11, pp. 3204-3215, Nov. 2011.
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18. Sheng-Ju Ku, **Chin-Liang Wang**, and Chiuan-Hsu Chen, "A reduced-complexity PTS-based PAPR reduction scheme for OFDM systems," *IEEE Transactions on Wireless Communications*, vol. 9, no. 8, pp. 2455-2460, Aug. 2010.
19. **Chin-Liang Wang**, Sheng-Ju Ku, and Chun-Ju Yang, "A low-complexity PAPR estimation scheme for OFDM signals and its application to SLM-based PAPR reduction," *IEEE Journal of Selected Topics in Signal Processing*, vol. 4, no. 3, pp. 637-645, June 2010.
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(B) Conference Papers

1. **Chin-Liang Wang**, Jia-Li Chen, and Shung-Sheng Wang, "A partial PIC based receiver design for SFBC-OFDM cooperative relay systems," in *Proceedings of the 2015 IEEE Vehicular Technology Conference - Spring (VTC 2015-Spring)*, Glasgow, Scotland, May 2015.
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4. **Chin-Liang Wang**, Jyun-Yu Chen, and Jhih-Jhong Jheng, "A precoder design for two-way amplify-and-forward MIMO relay systems with linear receivers," in *Proceedings of the 2014 IEEE Vehicular Technology Conference - Fall (VTC 2014-Fall)*, Vancouver, Canada, Sept. 2014.
5. Shun-Sheng Wang, Pei-Hsun Li, Chih-Peng Li, and **Chin-Liang Wang**, "An improved ICI self-cancellation scheme for cooperative OFDM systems," in *Proceedings of the 2014 IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS 2014)*, Pingtung, Taiwan, Aug. 2014.
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7. Chia-Peng Lee, Kun-Fong Huang, Phone Lin, Hsuan-Jung Su, and **Chin-Liang Wang**, "Reducing handover cost for LTE femtocell/macrocen network," in *Proceedings of the 2013 IEEE Global Communications Conference (GLOBECOM 2013)*, Atlanta, GA, Dec. 2013.
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29. **Chin-Liang Wang**, Shun-Sheng Wang, and Yi-Ching Huang, "An improved constellation extension scheme for PAPR reduction in OFDM systems," in *Proceedings of the 2011 IEEE Vehicular Technology Conference - Spring (VTC 2011-Spring)*, Budapest, Hungary, May 2011.
30. **Chin-Liang Wang**, Han-Wei Chen, and Yu-Ren Chou, "A credibility-based cooperative spectrum sensing technique for cognitive radio systems," in *Proceedings of the 2011 IEEE Vehicular Technology Conference - Spring (VTC 2011-Spring)*, Budapest, Hungary, May 2011.
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36. **Chin-Liang Wang**, Syue-Ju Syue, Ting-Nan Cho, and Chih-Chiao Yang, "Relay selection schemes based on channel gain and distance information for cooperative wireless networks," in *Proceedings of the 2010 IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS 2010)*, Kaohsiung, Taiwan, May 2010.
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43. Chiuan-Hsu Chen and **Chin-Liang Wang**, "An efficient power allocation algorithm for multiuser OFDM-based cognitive radio systems," in *Proceedings of the 2010 IEEE Wireless Communications and Networking Conference (WCNC 2010)*, Sydney, Australia, April 2010.
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45. Dong-Shing Wu and **Chin-Liang Wang**, "Decentralized cooperative positioning and tracking based on a weighted sign algorithm for wireless sensor networks," in *Proceedings of the 2009 IEEE Global Communications Conference (Globecom 2009)*, Honolulu, Hawaii, Nov. 30 - Dec. 4, 2009.
46. **Chin-Liang Wang** and Dong-Shing Wu, "A decentralized positioning and tracking method for wireless sensor networks based on a low-complexity incremental algorithm," in *Proceedings of the 2009 IEEE Vehicular Technology Conference - Fall (VTC 2009-Fall)*, Anchorage, Alaska, Sept. 2009.
47. Han-Wei Chen, Xianbin Wang, **Chin-Liang Wang**, and Hai Lin, "Spectrum sensing of unsynchronized OFDM signals for cognitive radio communications," in *Proceedings of the 2009 IEEE Vehicular Technology Conference - Fall (VTC 2009-Fall)*, Anchorage, Alaska, Sept. 2009.
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