



新世代無線通訊實驗室

Wireless Innovation in Next-Generation Communication Laboratory



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研究領域

- ◆ 檢測與估測 ◆ Detection and Estimation
- ◆ 訊號同步 ◆ Synchronization
- ◆ 分集與多工 ◆ Diversity and Multiplexing
- ◆ 無線通訊 ◆ Wireless Communications

期刊論文

- ◆ C. Lv, J.-C. Lin and Z. Yang, "Channel prediction for millimeter wave MIMO OFDM communications in rapidly time-varying frequency-selective fading channel," IEEE Access, vol. 7, pp. 15183–15195, Jan. 2019.
- ◆ J.-C. Lin, "Synchronization requirements for 5G – An overview of standards and specifications for cellular networks," IEEE Veh. Technol. Mag., vol. 13, no. 3, pp. 91–99, Sep. 2018.
- ◆ K. Singh, M.-L. Ku, J.-C. Lin and T. Ratnarajah, "Toward optimal power control and transfer for energy harvesting amplify-and-forward relay networks," IEEE Trans. Wirel. Commun., vol. 17, no. 8, pp. 4971–4986, Aug. 2018.
- ◆ K. Singh, M.-L. Ku and J.-C. Lin, "Power allocation and relay selection in relay networks: A perturbation-based approach," IEEE Signal Process. Lett., vol. 24, no. 9, pp. 1328–1332, Sep. 2017.
- ◆ J.-C. Lin, H.-K. Chang, M.-L. Ku and H. V. Poor, "Impact of imperfect source-to-relay CSI in amplify-and-forward relay networks," IEEE Trans. Veh. Technol., vol. 66, no. 6, pp. 5056–5069, Jun. 2017.
- ◆ K.-P. Chou, J.-C. Lin and H. V. Poor, "Disintegrated channel estimation in filter-and-forward relay networks," IEEE Trans. Commun., vol. 64, no. 7, pp. 2835–2847, Jul. 2016.
- ◆ K. Singh, M.-L. Ku and J.-C. Lin, "Joint power allocation, equalization and relay selection for MIMO relay networks with multipath receptions," IEEE Trans. Veh. Technol., vol. 65, no. 7, pp. 5160–5174, Jul. 2016.
- ◆ J.-C. Lin, Y.-T. Sun and H. V. Poor, "Initial synchronization exploiting inherent diversity for LTE sector search process," IEEE Trans. Wirel. Commun., vol. 15, no. 2, pp. 1114–1128, Feb. 2016.

會議論文

- ◆ J.-C. Lin, "Optimum receiver based on principal component analysis of covariance matrix for spatially correlated Nakagami-m fading channels," in Proc. Wireless Telecommunications Symposium, (WTS 2019), New York City, USA, April 9-12, 2019.
- ◆ J.-C. Lin, "Second-order statistics of MRC reception with a transparent amplify-and-forward relay," in Proc. Wireless Telecommunications Symposium, (WTS 2019), New York City, USA, April 9-12, 2019.
- ◆ J.-C. Lin, "A simulator of spatially correlated complex-valued Nakagami-m fading channels," in Proc. IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 17), Montreal, QC, Canada, October 08-13, 2017.
- ◆ K.-P. Chou and J.-C. Lin, "Cooperative load balancing on human moving trajectory diversity in cellular networks," in Proc. 2017 IEEE International Conference on Communications (ICC 17), Paris, France, May 21-25, 2017, pp. 6623–6627.
- ◆ K. Singh, M.-L. Ku and J.-C. Lin, "Joint power control and energy transfer for energy harvesting relay networks," in Proc. 2016 IEEE International Conference on Communications (ICC 16), Kuala Lumpur, Malaysia, May 23-27, 2016.