

Research on the **Satellite Communications** and the research publication includes:

1. Performance Analysis of Low-Earth-Orbit (LEO) Mobile-Satellite System Using Moment-Based Approximation of Degradation Factors, IEEE Transactions on Vehicular Technology, Vol. 55, No. 3, pp. 876-886, 2006 [SCI][EI]
2. Modified Signal Strength Based Location Mechanism, Proceedings of International conference on 3G Wireless Communications, 2003. [EI]
3. Applying Auto-Regressive Model to Estimate The Effects of Multi-path Propagation, Proceedings of World Wireless Congress, pp237-242, 2002. [EI]
4. The Effects of Cochannel Interference in The Mobile Satellite Channel, Proceedings of World Wireless Congress, pp788-791, 2002. [EI]
5. Quick and Easy Analysis of Adjacent Channel Effects in the Low Earth Orbit (LEO) Satellite Communication System, Proceedings of the 6th World Multi-conference on Systemics, Cybernetics and Informatics, Vol. X, pp. 56-61, 2002.
6. Error Performance Evaluation of Non-Geostationary Satellite Channel under Adjacent Channel Interference, The 6th Journal of Chaoyang University of Technology, pp. 347-364, 2001.
7. The Effect of Adjacent Channel Interference in The Low Earth Orbit (LEO) Satellite Channel, Proceedings of IEEE Intl. Conf. on 3G Wireless Comm. & Beyond, pp. 752-757, 2001. [EI]
8. Error Rate Prediction of the Low Earth Orbit (LEO) Satellite Channel, Proceedings of IEEE ICC'2000, pp. 465-469, 2000. [EI]
9. Error Performance of Bandlimited Signal Transmitting through the Low Earth Orbit Satellite Channel, Proceedings of IEEE International Conference on Third Generation Wireless Communications, pp.662-669, 2000. [EI]
10. Performance Analysis of the Low Earth Orbit (LEO) Satellite Channel under Interference, Proceedings of ICOIN_14, pp.4C-4.1 - 4.8, 2000.