Journal Articles

Published

5. Q. Shi and M. Latva-aho, "Exact bit error rate calculations for synchronous MC-CDMA over a Rayleigh fading channel," *IEEE Communications Letters*, vol. 6, no. 7, pp. 276-278, July 2002.
Accepted


22. Q. Shi and M. Latva-aho, "Accurate bit error rate evaluation for synchronous MC-CDMA over Nakagami-m fading channels using moment generating functions," accepted to *IEEE Transactions on Wireless Communications*.

23. Y. Wu, M. Juntti, and T. J. Lim, "Iterative detector for bandwidth-efficient multiple-channel scheme with multiple antennas," accepted to *IEEE Transactions on Communications*.


25. Z. Li and M. Latva-aho, "Error probability of interleaved MC-CDMA systems with MRC receiver and correlated Nakagami-m fading channels," accepted to *IEEE Transactions on Communications*.


28. H. Saarnisaari, P. Henttu, and M. Juntti, "Iterative multidimensional impulse detectors based on the classical diagnostic method," accepted to *IEEE Transactions on Communications*.


30. N. R. Veselinovic, T. Matsumoto, and C. Schneider, "Reduction of spatial correlation and timing offset dependence of space-time coded turbo equalization and performance evaluation using measurement data," accepted to *IEICE Transactions on Communications*.


34. N. Veselinovic, T. Matsumoto, and M. Juntti, "Iterative PDF estimation-based multiuser diversity detection and channel estimation with unknown interference," accepted to *EURASIP Journal on Applied Signal Processing, Special Issue on Turbo Processing*.

In Review


36. D. Tujkovic, "Distance spectrum of turbo-TCM: Union bound and code design for AWGN and fading channels," submitted to *IEEE Transactions on Communications*.


38. Y. Wu, K. Ruotsalainen, and M. Juntti, "Optimal unitary space-time constellation design for noncoherent communications with multiple antennas," submitted to *IEEE Transactions on Information Theory*.


40. E. Kunnari and J. Linatti, "Performance analysis of multirate MC-CDMA in Rayleigh fading channels with delay power spectrum exceeding the guard interval," to be submitted.


Conference Articles

Published


96. Y. Wu, K. Ruotsalainen, and M. Juntti, "Optimal unitary space-time constellation design for noncoherent communications with multiple antennas," accepted to *IEEE International Conference on Communications (ICC)*, Seoul, Korea, May 2005.


In Review


109. M. Myllälä, H. Saarnisaari, and M. Juntti, "Fixed-point implementation of selected interference suppression algorithms," to be submitted.


Invention Reports

- 9 Accepted
- 6 in Process
- 18 rejected

Theses

Doctoral Theses


Licentiate Theses


Master’s Theses


17 Reports

3 FUTURA Research Seminar Proceedings
   - Including 66 Presentations

3 FUTURA Workshop Proceedings
   - Including 24 Presentation

40 FUTURA TSG Presentions

Others