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This index covers all technical items — papers, correspondence, reviews, etc. — that appeared in this periodical during 2005, and items from previous years that were commented upon or corrected in 2005. Departments and other items may also be covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Subject cross-references are included to assist in finding items of interest. Note that the item title is found only under the primary entry in the Author Index.

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- Thian Ping Soh**, Chun Sum Ng, and Pooi Yuen Kam. Improved signal constellations for differential unitary space-time modulations with more than two transmit antennas; *COML Jan 05* 7-9
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- Ting, S.H.**, K. Sakaguchi, and K. Araki. Differential quantization of eigenmodes for MIMO eigenmode transmission systems; *COML Aug 05* 697-699
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- Tsang-Yi Wang**, Y.S. Han, and P.K. Varshney. Fault-tolerant distributed classification based on non-binary codes in wireless sensor networks; *COML Sep 05* 808-810
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- Uchoa-Filho, B.F.**, R. Demo Souza, C. Pimentel, and Mao-Chao Lin. Generalized punctured convolutional codes; *COML Dec 05* 1070-1072

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Whai-En Chen, Chia-Yung Su, and Yi-Bing Lin. NCTU SLT: a socket-layer translator for IPv4-IPv6 translation; *COML* Oct 05 865-867
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- Xian, L.**, and H. Liu. Optimal rotation angles for quasi-orthogonal space-time codes with PSK modulation; *COML* Aug 05 676-678
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- Xiaofu Wu**, Yuxin Cheng, and Haige Xiang. The Engdahl-Zigangirov bound for binary coded systems over block-fading channels; *COML* Aug 05 726-728
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Yi-Bing Lin, Whai-En Chen, and Chai-Hien Gan. Effective VoIP call routing in WLAN and cellular integration; *COML* Oct 05 874-876

- Yi Fan**, Zhong-Ping Jiang, and Xingxing Wu. A control theoretic approach to stabilizing queues in large-scale networks; *COML Oct 05* 951-953
- Yifan Chen**, and V.K. Dubey. Spatio-diversity gain of a system-dependent wideband directional channel; *COML Apr 05* 319-321
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- Yuen Kam Pooi**, *see* Thian Ping Soh, *COML Jan 05* 7-9
- Yugang Jia**, C. Andrieu, R.J. Piechocki, and M. Sandell. Gaussian approximation based mixture reduction for near optimum detection in MIMO systems; *COML Nov 05* 997-999
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- Yunfei Chen**, N.C. Beaulieu, and C. Tellambura. Novel Nakagami-m parameter estimator for noisy channel samples; *COML May 05* 417-419
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- Zaghoul, S.**, V. Frost, and A.J. Mohammad. Modeling TCP long file transfer latency over long delay wireless multilink PPP; *COML Nov 05* 988-990
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- Zhao, L.**, and V.K. Dubey. Detection schemes for space-time block code and spatial multiplexing combined system; *COML Jan 05* 49-51
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- Zhengang Chen**, and S. Bates. Construction of low-density parity-check convolutional codes through progressive edge-growth; *COML Dec 05* 1058-1060
- Zhen Guo**, Mengchu Zhou, and L. Zakrevski. Optimal tracking interval for predictive tracking in wireless sensor network; *COML Sep 05* 805-807
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