Publications

Book Chapter

Technical Report/Others
- Yi Hong and E. Viterbo, “Multi-user space-time code design and database of specific code constructions”, WP-1, MASCOT Deliverable 1.2.1, EU Project FP6, June 2007.

Journal Papers


**Conference Papers (since 2007)**


• S.K. Mohammed, E. Viterbo, Y. Hong, and A. Chockalingam, "Modulation Diversity in Fading Channels with Quantized Receiver", in *IEEE International Symposium on Information Theory*, St Petersburg, Russia, August 2011.

• Y. Hong and E. Biglieri, “Fast-Decodable, Rate-Unbalanced Silver Space-Time Block Codes for 4 x 2 MIMO”, in *Australia Communication Theory Workshop*, Feb. 2011, Melbourne, Australia.

• S.K. Mohammed, E. Viterbo, Y. Hong, and A. Chockalingam, "X- and Y-Codes for MIMO precoding", in *IEEE International Symposium on Information Theory* 2010, June 2010, Texas, US.

• S.K. Mohammed, E. Viterbo, Y. Hong, and A. Chockalingam, "Using X-Codes to increase MIMO capacity using the discrete input alphabets", in *IEEE International Symposium on Information Theory* 2010, June 2010, Texas, US.


Y. Hong, S. Shamai (Shitz), and E. Viterbo, “Algebraic phase scrambling for code spread code division multiple access”, in International Symposium on Information Theory, Toronto, Canada, July 2008.


Yi Hong and S. Shamai (Shitz), “Interference mutual information combining and irregular code design for Interleave Division Multiplexing Access”, in Allerton Conference, University of Illinois, IL, USA, Sept. 2007.

Emanuele Viterbo and Yi Hong, “Robust coding for 2 x 2 MIMO block fading channels”, in International Symposium on Information Theory, Nice, June 2007.


Emanuele Viterbo, Yi Hong, and Alex Grant, “Timing errors in distributed space-time communications”, (Early Career Research Award), Australian Communication Theory Workshop, Feb. 2007.