LIST OF PUBLICATIONS
ERIK G. LARSSON

Book:


Chapters in Books:


Journal Papers:


**Editorials in Journal Special Issues:**


**Conference Papers:**


[122] Y. Cao, E. G. Larsson, and B. Vojcic, “Cooperative diversity transmission versus macro-
diversity in cellular networks,” in Proc. of the Conference on Information Sciences and Sys-
tems (CISS), (Baltimore, MD), Mar. 2005.

[123] E. G. Larsson, “Robust structured interference rejection combining,” in Proc. of IEEE Wire-
less Communications and Networking Conference (WCNC), (New Orleans, LA), Mar. 2005.

onal signaling in symmetric alpha-stable noise,” in Proc. of IEEE International Conference on

[125] Y. Selén, E. G. Larsson, P. Stoica, and N. Sandgren, “A model averaging approach for equal-
zizing sparse communication channels,” in Proc. of Asilomar Conference on Signals, Systems

[126] E. G. Larsson, “Constellation randomization (CoRa) for outage performance improvement
on MIMO channels,” in Proc. of IEEE Global Telecommunications Conference (GLOBE-
COM), (Dallas, TX), Dec. 2004.

[127] E. G. Larsson, Y. Selén, and P. Stoica, “Adaptive equalization for frequency-selective chan-
nels of unknown length,” in Proc. of IEEE Global Telecommunications Conference (GLOBE-
COM), (Dallas, TX), Dec. 2004.

Capon and APES spectral estimators,” in Proc. of European Signal Processing Conference,

competitive linear models for phased-array magnetic resonance imaging,” in Proc. of IEEE
International Conference on Acoustics, Speech and Signal Processing (ICASSP), (Montreal,
Quebec, Canada), May 2004.

[130] E. G. Larsson and M. Doroslovački, “Design of a nonuniform array for joint direction-of-
arrival and range estimation,” in Proc. of URSI International Symposium on Electromagnetic
Theory, (Pisa, Italy), May 2004. Invited paper.

[131] E. G. Larsson, “Multiuser detection with an unknown number of users,” in Proc. of the
Conference on Information Sciences and Systems (CISS), (Princeton, NJ), pp. 1078–1082,

multiplexing,” in Proc. of IEEE International Symposium on Signal Processing and Informa-

[133] E. K. Larsson and E. G. Larsson, “The CRB for parameter estimation in irregularly sam-
pled continuous-time ARMA systems,” in Proc. of IEEE International Symposium on Signal


Patents:


Publicly Available Software:

[1] Contributions to IT++ (open-source C++ class library for scientific computing, see http://itpp.sf.net): GF(2) matrix algebra module, vector/MIMO modulator/demodulator module, fast likelihood algebra calculation module, and classes for LDPC coding. GNU GPL, mostly developed 2005–2007; later on refined by others.
Various code associated with published research papers: linear regression with a sparse parameter vector, APES/GAPES for spectral estimation, and routines for autonomous distribution of Monte-Carlo simulations. Matlab and C++, public domain or GNU GPL.¹

¹Available at www.commsys.isy.liu.se/~egl/software/