

Publications

- M. Mossberg and E. Mossberg. A note on parameter estimation in Lamperti transformed fractional Ornstein-Uhlenbeck processes. In *Proc. 16th IFAC Symp. System Identification, Brussels, Belgium*, pages 1067–1072, July 2012.
- M. Mossberg, E. K. Larsson, and E. Mossberg. Long-term fading channel estimation from sample covariances. *Automatica*, 45:1126–1133, 2009.
- I. F. Potapenko, A. V. Bobylev, and E. Mossberg. Deterministic and stochastic methods for nonlinear Landau-Fokker-Planck kinetic equations with applications to plasma physics. *Transport Theory Statist. Phys.*, 37:113–170, 2008.
- A. Bobylev and E. Mossberg. On some properties of linear and linearized Boltzmann collision operators for hard spheres. *Kinetic & Related Models*, 1:521–555, 2008.
- E. Mossberg. Some numerical and analytical methods for equations of wave propagation and kinetic theory. Ph.D. thesis Karlstad University Studies 2008:33, Faculty of Technology and Science, Karlstad Univ., Karlstad, Sweden, 2008.
- M. Mossberg, E. K. Larsson, and E. Mossberg. Estimation of large-scale fading channels from sample covariances. In *Proc. 45th IEEE Conf. on Decision and Control, San Diego, CA*, pages 2992–2996, December 2006.
- M. Mossberg and E. Mossberg. Identification of local oscillator noise in sampling mixers. In *Proc. 12th IEEE Digital Signal Processing Workshop, Grand Teton, WY*, pages 572–575, September 2006.
- A. V. Bobylev, E. Mossberg, and I. F. Potapenko. A DSMC method for the Landau-Fokker-Planck equation. In M. S. Ivanov and A. K. Rebrov, editors, *Rarefied Gas Dynamics (Proc. 25th International Symposium on Rarefied Gas Dynamics, St. Petersburg, Russia)*, pages 479–483. Siberian Branch of the Russian Academy of Sciences, Novosibirsk, 2007.
- M. Mossberg, E. K. Larsson, and E. Mossberg. Estimation for power control of large-scale fading channels from irregularly sampled noisy data. In *Proc. 2006 American Control Conf., Minneapolis, MN*, pages 5745–5750, June 2006.
- M. Mossberg, E. K. Larsson, and E. Mossberg. Fast estimators for large-scale fading channels from irregularly sampled data. *IEEE Trans. on Signal Processing*, 54:2803–2808, 2006.

- M. Mossberg and E. Mossberg. On optimal criteria for optimal set point tracking. In *Proc. 2005 American Control Conf., Portland, OR*, pages 4482–4483, June 2005.
- B. Gustafsson and E. Mossberg. Time compact high order difference methods for wave propagation. *SIAM J. Sci. Comput.*, 26:259–271, 2004.
- M. Mossberg and E. Mossberg. Estimation of parameters for signals in exponential form. In *Proc. 22nd IASTED Int. Conf. on Modelling, Identification and Control, Innsbruck, Austria*, pages 73–77, February 2003.
- E. Mossberg. Higher order finite difference methods for wave propagation problems. Lic. thesis IT 2002-001, Dept. of Information Technology, Uppsala Univ., Uppsala, Sweden, 2002.
- E. Mossberg, K. Otto, and M. Thuné. Object-oriented software tools for the construction of preconditioners. *Sci. Programming*, 6:285–295, 1997.
- M. Thuné, E. Mossberg, P. Olsson, J. Rantakokko, K. Åhlander, and K. Otto. Object-oriented construction of parallel PDE solvers. In E. Arge, A. M. Bruaset, and H. P. Langtangen, editors, *Modern Software Tools for Scientific Computing*, pages 203–226. Birkhäuser, Boston, MA, 1997.
- E. Mossberg. Object-oriented software tools for the construction of preconditioners. M.Sc. thesis UPTEC 97020E, Institute of Technology, Uppsala Univ., Uppsala, Sweden, 1997.