

List of publications

Optimization and Systems Engineering
Åbo Akademi University

March 20, 2014

Monographies

Högnäs, G. and A. Mukherjea. *Probability Measures on Semigroups. Convolution Products, Random Walks and Random Matrices*. 2nd ed. Springer Science+Business Media, New York, 2011, p. 430.

Book chapters

Arov, D., M. Kurula, and O. Staffans. “Boundary control state/signal systems and boundary triplets”. In: *Boundary Relations, Extension Theory, and Applications*. Cambridge University Press, 2012.

Arov, D., M. Kurula, and O. Staffans. “Passive state/signal system and conservative boundary relations”. In: *Boundary Relations, Extension Theory, and Applications*. Cambridge University Press, 2012.

Budzban, G. and G. Högnäs. “Convolution products of probability measures on a compact semigroup with applications to random measures”. In: *Algebraic Methods in Statistics and Probability II*. Ed. by M. A. G. Viana and H. P. Wynn. American Mathematical Society, 2010, pp. 93–98.

Lundell, A. and T. Westerlund. “Global optimization of mixed-integer signomial programming problems”. In: *Mixed Integer Nonlinear Programming*. Ed. by Jon Lee and Sven Leyffer. Vol. 154. The IMA Volumes in Mathematics and its Applications. Springer New York, 2012, pp. 349–369. ISBN: 978-1-4614-1927-3. DOI: 10.1007/978-1-4614-1927-3_12.

Refereed journal papers

Arov, D. Z. and O. J. Staffans. “Symmetries in special classes of passive state/signal systems”. In: *Journal of Functional Analysis* 262 (2012), pp. 5021–5097.

- Arov, D., M. Kurula, and O. Staffans. "Canonical state/signal shift realizations of passive continuous time behaviors". In: *Complex Analysis and Operator Theory* 5 (2 2011), pp. 331–402. ISSN: 1661-8254. DOI: 10.1007/s11785-010-0128-8.
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- Blomstedt, P., R. Gauriot, N. Viitala, T. Reinikainen, and J. Corander. "Bayesian predictive modeling and comparison of oil samples". In: *Journal of Chemometrics* 28.1 (2014), pp. 52–59. ISSN: 1099-128X. DOI: 10.1002/cem.2566.
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- Corander, J. *Bayesian population genetic modelling using BAPS*. Lecture at University College London. Feb. 2010.
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- Corander, J. *Going BANANAS – Bayesian reconstruction of population genealogies*. Lecture at Harvard University. Nov. 2010.
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- Salminen, P. *On the smooth fit principle in optimal stopping*. Colloquium lecture on Mathematical Statistics and Stochastic Processes Universität Hamburg, Germany. Dec. 2013.
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