

List of scientific publications
for
Fred Espen Benth

February 24, 2020

In refereed journals

1. *An Explicit Functional Process Solution to a Stochastic Partial Differential Equation with Applications to Non Linear Filtering*. Stochastics and Stochastics Reports, Vol. **51**, pp. 195-216, 1994.
2. *Topological Aspects of the Hida Distributions. - A Remark -*. Coauthor: Matthias Timpel (University of Mannheim, Germany). Stochastics and Stochastics Reports, Vol. **51**, pp. 293-299, 1994.
3. *On the Martingale Property for Generalized Stochastic Processes*. Coauthor: Jürgen Potthoff (University of Mannheim, Germany). Stochastics and Stochastic Reports, Vol. **58**, pp. 349-367, 1996.
4. *On the Positivity of the Stochastic Heat Equation*. Potential Analysis, **6**, pp. 127-148, 1997.
5. *A White Noise Approach to a Class of Non-linear Stochastic Heat Equations*. Coauthors: Thomas Deck and Jürgen Potthoff (both University of Mannheim, Germany). Journal of Functional Analysis, Vol 146, No. 2, June 1, pp. 382-415, 1997.
6. *Nonlinear Evolution Equations with Gradient Coupled Noise*. Coauthors: Thomas Deck and Jürgen Potthoff (both University of Mannheim, Germany) and Ludwig Streit (University of Bielefeld, Germany). Letters in Mathematical Physics, Vol 43, Nr. 3, February 1998.
7. *A Remark on the Equivalence between Poisson and Gaussian SPDE's*. Coauthor: Jon Gjerde (University of Oslo, Norway). Potential Analysis **8**, pp. 179-193, 1998
8. *Explicit Strong Solutions of SPDE's with Applications to Non-Linear Filtering*. Coauthors: Thomas Deck and Jürgen Potthoff (both University of Mannheim, Germany) and Gjermund Våge (University of Oslo, Norway). Acta Applicandae Mathematicae, Vol 51, No. 2, April, pp. 215-242, 1998

9. *Convergence Rates for Finite Element Approximations of SPDEs*. Coauthor: Jon Gjerde (University of Oslo, Norway). *Stochastics and Stochastics Reports*, Vol 63, pp. 313-326, 1998
10. *The Gross Derivative and Generalized Random Variables*. *Infinite Dimensional Analysis, Quantum Probability and Related Topics*, Vol 2, No. 3 September, pp. 381-396, 1999
11. *A Nonlinear Parabolic Equation with Noise. A Reduction Method*. Coauthor: Håkon Gjessing (University of Bergen, Norway). *Potential Analysis*, Vol 12(4), pp. 385-401, 2000.
12. *Smoothed Langevin proposals in Metropolis-Hastings algorithms*. Coauthors: Øivind Skare and Arnaldo Frigessi (both Norwegian Computing Centre, Norway). *Statistics & Probability Letters*, Vol 49, pp. 345-354, 2000.
13. *Markov jump processes with a singularity*. Coauthors: Ole E. Barndorff-Nielsen and Jens Ledet Jensen (both University of Aarhus, Denmark). *Advances of Applied Probability*, Vol 32, pp. 779-799, 2000.
14. *On weighted $L^2(\Omega)$ -Spaces, their Duals and Ito Integration*. *Stochastic Analysis and Applications*, Vol 19(3), pp. 329-341, 2001.
15. *Kriging with inequality constraints*. Coauthor: Petter Abrahamsen (Norwegian Computing Centre, Norway). *Mathematical Geology*, **33**(6), pp. 719-744, 2001.
16. *Optimal portfolio selection with consumption and nonlinear integro-differential equations with gradient constraint: A viscosity solution approach*. Coauthors: Kenneth Hvistendahl Karlsen (University of Bergen, Norway) and Kristin Reikvam (University of Oslo, Norway). *Finance & Stochastics*, Vol. 5(3), pp. 275-303, 2001.
17. *Optimal portfolio management rules in a non-Gaussian market with durability and intertemporal substitution*, Coauthors: Kenneth Hvistendahl Karlsen (University of Bergen, Norway) and Kristin Reikvam (University of Oslo, Norway). *Finance & Stochastics*, Vol. 5(4), pp. 447-467, 2001.
18. *A note on portfolio management under non-gaussian logreturns*, Coauthors: Kenneth Hvistendahl Karlsen (University of Bergen, Norway) and Kristin Reikvam (University of Oslo, Norway). *International Journal of Applied and Theoretical Finance*, Vol. 4(5), pp. 711-732, 2001.
19. *Donsker's Delta function and the covariance between generalized functionals*. Coauthor: Siu-Ah Ng (University of Pietermaritzburg, South Africa). *Journal of the London Mathematical Society*, Vol 66(2), pp. 1-13, 2002.

20. *Portfolio optimization in a Lévy market with intertemporal substitution and transaction costs*, Coauthors: Kenneth Hvistendahl Karlsen (University of Bergen, Norway) and Kristin Reikvam (University of Oslo, Norway). *Stochastics and Stochastics Reports*, Vol 74(3-4), pp. 517-569, 2002.
21. *Explicit representation of the minimal variance portfolio in markets driven by Lévy processes*. Co-authors: G. Di Nunno (University of Pavia, Italy), A. Løkka (University of Oslo), B. Øksendal (University of Oslo) and F. Proske (University of Oslo). *Mathematical Finance*, Vol 13(1), pp. 55-72, 2003.
22. *Some regularity results for the stochastic pressure equation of Wick-type*, Coauthor: Thomas Gorm Theting (University of Trondheim, Norway). *Stochastic Analysis and Applications*, Vol 20(6), pp. 1191-1223, 2003.
23. *A semilinear Black & Scholes partial differential equation for valuing American options*. Coauthors: Kenneth Hvistendahl Karlsen (University of Bergen, Norway) and Kristin Reikvam (University of Oslo, Norway). *Finance and Stochastics*, Vol 7(3), pp. 277-298, 2003.
24. *Merton's Portfolio Optimization Problem in a Black & Scholes Market with non-Gaussian Stochastic Volatility of Ornstein-Uhlenbeck Type*. Coauthors: Kenneth Hvistendahl Karlsen (University of Bergen, Norway) and Kristin Reikvam (University of Oslo, Norway). *Mathematical Finance*, Vol 13(2), pp. 215-244, 2003.
25. *Quasi Monte Carlo evaluation of sensitivities of options in commodity and energy markets*. Coauthors: Lars Oswald Dahl (Storebrand Investments) and Kenneth Hvistendahl Karlsen (University of Bergen, Norway). *International Journal of Theoretical and Applied Finance*, Vol. 6(8), pp. 865-884, 2003.
26. *Arbitrage-free pricing of weather derivatives based on fractional Brownian motion*. *Applied Mathematical Finance*, 10(4), pp. 303-324, 2003.
27. *A note on arbitrage-free pricing of forward contracts in energy markets*. Coauthors: Lars Ekeland, Ragnar Hauge and Bjørn Fredrik Nielsen (Norwegian Computing Centre, Norway). *Applied Mathematical Finance*, 10(4), pp. 325-336, 2003.
28. *On a connection between singular stochastic control and optimal stopping*. Coauthor: Kristin Reikvam (University of Oslo, Norway). *Applied Mathematics and Optimization*, Vol. 49, pp. 27-41, 2004.
29. *The normal inverse Gaussian distribution and spot price modelling in energy markets*. Coauthor: Jurate Saltyte-Benth (University of Oslo and Klaipeda). *International Journal of Theoretical and Applied Finance*, Vol. 7(2), pp. 177-192, 2004.

30. *Anticipative calculus for Lévy processes and stochastic differential equations*. Coauthor: Arne Løkka (King's College, UK). *Stochastics and Stochastics Reports*, Vol 76(3), pp. 191-211, 2004.
31. *On a semilinear Black & Scholes partial differential equation for valuing American options: approximate solutions and convergence*. Coauthors: Kenneth Hvistendahl Karlsen (University of Oslo, Norway) and Kristin Reikvam (University of Oslo, Norway). *Interfaces and Free Boundaries*, Vol 6, pp. 379-404, 2004.
32. *Stochastic modelling of temperature variations with a view towards weather derivatives*. Coauthor: Jurate Saltyte-Benth (University of Oslo and Klaipeda). *Applied Mathematical Finance*, Vol 12(1), pp. 53-85, 2005.
33. *A pde representation of the density of the minimal entropy martingale measure in stochastic volatility markets*. Coauthor: Kenneth Hvistendahl Karlsen (University of Oslo). *Stochastics and Stochastics Reports*, Vol 77(2), pp. 109-137, 2005
34. *A note on Merton's portfolio selection problem for the Schwartz mean-reversion model*. Coauthor: Kenneth Hvistendahl Karlsen (University of Oslo). *Stochastic Analysis and Applications*, Vol 23(4), pp. 687-704, 2005.
35. *The density process of the minimal entropy martingale measure in a stochastic volatility model with jumps¹*. Co-author: Thilo Meyer-Brandis (University of Oslo). *Finance and Stochastics*, Vol. 9(4), pp. 563-575, 2005.
36. *A quasi-Monte Carlo algorithm for the normal inverse Gaussian distribution and valuation of financial derivatives*. Coauthors: Martin Groth and Paul C. Kettler (both CMA, University of Oslo). *International Journal of Theoretical and Applied Finance*, Vol. 9(5), pp. 843-867, 2006.
37. *Analytical approximation for the price dynamics of spark spread options*. Coauthor: Jurate Saltyte-Benth (Akershus University Hospital and University of Klaipeda, Lithuania). *Studies of Nonlinear Dynamics & Econometrics*, Vol. 10(3), article 8, 2006
(electronic publication: <http://www.bepress.com/snede/vol10/iss3/art8>)
38. *A non-Gaussian Ornstein-Uhlenbeck process for electricity spot price modeling and derivatives pricing*. Coauthors: Jan Kallsen (Technical University of Munich, Germany) and Thilo Meyer-Brandis (University of Oslo, Norway). *Applied Mathematical Finance*, Vol 14(2), pp. 153-169, May 2007
39. *Valuing volatility and variance swaps for a non-Gaussian Ornstein-Uhlenbeck stochastic volatility model*. Co-authors: Martin Groth (University of Oslo) and Rodwell Kufakunesu (University of Zimbabwe). *Applied Mathematical Finance*, Vol 14(4), pp. 347-363, September 2007

¹Former title: *Indifference pricing and the minimal entropy martingale measure in a stochastic volatility model with jumps*

40. *A spatial-temporal model for temperature with seasonal variance*, Co-authors: Jurate Saltyte Benth (University of Oslo and Klaipeda, Lithuania) and Paulius Jalinskas (University of Vilnius and Lithuanian Meteorological Services, Lithuania). *Journal of Applied Statistics*, 34(7), pp. 823-841, September 2007.
41. *Extracting and applying smooth forward curves from average-based commodity contracts with seasonal variation*. Co-authors: Steen Koekebakker (Agder University College) and Fridthjof Ollmar (Agder Energy). *Journal of Derivatives*, 15(1), pp. 52-66, Fall 2007.
42. *The volatility of temperature and pricing of weather derivatives*. Coauthor: Jurate Saltyte-Benth (University of Oslo). *Quantitative Finance*, 7(5), pp. 553-561, 2007.
43. *Putting a price on temperature*. Co-authors: Jurate Saltyte Benth (University of Oslo) and Steen Koekebakker (University of Agder). *Scandinavian Journal of Statistics*, 34, pp. 746-767, 2007.
44. *Stochastic modeling of financial electricity contracts*. Coauthor: Steen Koekebakker (University of Agder, Norway). *Energy Economics*, 30(3), pp. 1116-1157, 2008. This paper was awarded the FIBE-price 2006 by Cappelen Akademisk Forlag. Visit <http://paraplyen.nhh.no/cgi-bin/paraplyen/imaker?id=17230> for more information (in norwegian)
45. *Pricing forward contracts in power markets by the certainty equivalence principle: explaining the sign of the market risk premium*. Co-authors: Alvaro Cartea (Birkbeck, University of London, UK) and Rüdiger Kiesel (University of Ulm). *Journal of Banking and Finance*, 32(10), pp. 2006–2021, 2008.
46. *Dynamic pricing of wind futures*. Coauthor: Jurate Saltyte Benth (University of Oslo). *Energy Economics*, 31(1), pp. 16–24, 2009.
47. *Utility indifference pricing of interest-rate guarantees*. Co-author: Frank Proske (University of Oslo). *International Journal of Theoretical and Applied Finance*, 12(1), pp. 63–82, 2009.
48. *Pricing of exotic energy derivatives based on arithmetic spot models*. Co-author: Rodwell Kufakunesu (University of Pretoria, South Africa). *International Journal of Theoretical and Applied Finance*, 12(4), pp. 491–506, 2009.
49. *The minimal entropy martingale measure and numerical option pricing for the Barndorff-Nielsen – Shephard stochastic volatility model*. Coauthor: Martin Groth (University of Oslo). *Stochastic Analysis and Applications*, 27(5), pp. 875–896, 2009.

50. *The information premium for non-storable commodities*. Co-author: Thilo Meyer-Brandis (University of Oslo). *Journal of Energy Markets*, 2(3), pp. 111–140, 2009.
51. *Modeling term structure dynamics in the Nordic electricity swap market*. Co-authors: Dennis Frestad and Steen Koekebakker (University of Agder). *Energy Journal*, 31(2), pp. 53–86, 2010.
52. *The implied risk aversion from utility indifference option pricing in a stochastic volatility model*. Co-authors: Martin Groth (University of Oslo) and Carl Lindberg (Chalmers University). *International Journal of Applied Mathematics and Statistics*, 16(M10), pp. 11–37, 2010
53. *Analysis and modelling of wind speed in New York*. Co-author: Jurate Saltyte Benth (University of Oslo). *Journal of Applied Statistics*, 37(6), pp. 893–909, 2010
54. *Derivative-free Greeks for the Barndorff-Nielsen and Shephard stochastic volatility model*. Co-authors: Martin Groth and Olli Wallin (both University of Oslo). *Stochastics*, 82(3), pp. 291–313, 2010.
55. *HMM filtering and parameter estimation of an electricity spot price model*. Co-authors: Christina Erlwein (Fraunhofer Institute, Kaiserslautern, Germany) and Rogemar Mamon (University of Western Ontario, London, Canada). *Energy Economics*, 32, pp. 1034–1043, 2010.
56. *Dynamic copula models for the spark spread*. Co-author: Paul C. Kettler (University of Oslo). *Quantitative Finance*, 11(3), pp. 407–421, 2011
57. *Hedging of spatial temperature risk with market-traded futures*. Co-authors: Andrea Barth (University of Oslo) and Jürgen Potthoff (University of Mannheim). *Applied Mathematical Finance*, 18(2), pp. 93–117, 2011.
58. *Pricing of basket options using univariate normal inverse Gaussian approximations*. Co-author: Pål Nicolai Henriksen (University of Oslo). *Journal of Forecasting*, 30(3), pp. 355–376, 2011.
59. *Robustness of option prices and their deltas in markets modelled by jump-diffusions*. Co-authors: Giulia Di Nunno and Asma Khedher (University of Oslo). *Communications on Stochastic Analysis*, 5(2), pp. 285–307, 2011.
60. *The stochastic volatility model of Barndorff-Nielsen and Shephard in commodity markets*. *Mathematical Finance*, 21(4), pp. 595–625, 2011.
61. *Weather derivatives and stochastic modelling of temperature*. Co-author: Jūratė Šaltytė Benth (University of Oslo). *International Journal of Stochastic Analysis*, Vol 2011, Article ID 576791, 21 pages, 2011.
62. *The risk premium and the Esscher transform in power markets*. Co-author: Carlo Sgarra (Politecnico Milano, Italy). *Stochastic Analysis and Applications*, 30, pp. 20–43, 2012.

63. *On the optimal exercise of swing options in electricity markets.* Co-authors: Jukka Lempa (University of Oslo) and Trygve Kastberg Nilsen (University of Agder). *Journal of Energy Markets*, 4(4), pp. 3–28, 2012.
64. *A critical view on temperature modelling for application in weather derivatives markets.* Co-author: Jūratė Šaltytė Benth (University of Oslo). *Energy Economics*, 34, pp. 592–602, 2012.
65. *Pricing of temperature index insurance.* Co-author Che Mohd Imran Che Taib (University of Oslo). *Review of Development Finance*, 2, pp. 22–31, 2012.
66. *A critical empirical study of three electricity spot price models.* Co-authors: Anna Nazarova (University of Oslo and University of Duisburg-Essen) and Rüdiger Kiesel (University of Duisburg-Essen). *Energy Economics*, 34(5), pp. 1589–1616, 2012.
67. *Modeling the forward surface of mortality.* Co-authors: Daniel Bauer (Georgia State University) and Rüdiger Kiesel (University of Duisburg-Essen). *SIAM Journal of Financial Mathematics*, 3(1), pp. 639–666, 2012.
68. *Computing optimal recovery policies for financial markets.* Co-authors: Geir Dahl (University of Oslo) and Carlo Mannino (University of Rome, Italy). *Operations Research*, 60, pp. 1373–1388, 2012.
69. *Computations of Greeks in multi-factor models with applications to power and commodity markets.* Co-authors: Giulia Di Nunno and Asma Khedher (University of Oslo). *Journal of Energy Markets*, 5(4), pp. 3–31, 2013.
70. *An empirical study of the information premium on electricity markets.* Co-authors: Richard Biegler-König and Rüdiger Kiesel (Both University of Duisburg-Essen). *Energy Economics*, 36, pp. 55–77, 2013.
71. *Cross-commodity spot price modeling with stochastic volatility and leverage for energy markets.* Co-author: Linda Vos (University of Oslo and Agder). *Advances in Applied Probability*, 45(2), pp. 545–571, 2013.
72. *Pricing of forwards and options in a multivariate non-Gaussian stochastic volatility model for energy markets.* Co-author: Linda Vos (University of Oslo and Agder). *Advances in Applied Probability*, 45(2), pp. 572–594, 2013.
73. *Modelling energy spot prices by volatility modulated Lévy-driven Volterra processes.* Co-authors: Ole E. Barndorff-Nielsen (University of Aarhus) and Almut Veraart (Imperial College). *Bernoulli*, 19(3), pp. 803–845, 2013.
74. *On the speed towards the mean of continuous time autoregressive moving average processes with applications to energy markets.* Co-author: Imran bin Che Taib (University of Oslo). *Energy Economics*, 40 September, pp. 259–268, 2013.

75. *Lévy process simulation by stochastic step functions*. Co-author: Torquil MacDonald Sørensen (University of Oslo). *SIAM Journal on Scientific Computing*, **35**(5), pp. A2207–A2224, 2013.
76. *Stability of Merton’s portfolio optimization problem for Lévy models*. Co-author: Maren D. Schmeck (University of Oslo). *Stochastics*, **85**(5), pp. 833–858, 2013.
77. *A note on convergence of option prices and their Greeks for Lévy models*. Co-authors: Giulia Di Nunno and Asma Khedher (University of Oslo). *Stochastics*, **85**(6), pp. 1015–1039, 2013.
78. *On stochastic integration for volatility modulated Lévy-driven Volterra processes*. Co-authors: Ole E. Barndorff-Nielsen (University of Aarhus), Jan Pedersen (University of Aarhus) and Almut Veraart (Imperial College, London). *Stochastic Processes and Their Applications*, **124**(1), pp. 812–847, 2014.
79. *Approximating Lévy semistationary processes via Fourier methods in the context of power markets*. Co-authors: Heidar Eyjolfsson (University of Oslo) and Almut Veraart (Imperial College, London). *SIAM Journal of Financial Mathematics*, **5**, pp. 71–98, 2014.
80. *The CARMA interest rate model*. Co-authors: Arne Andresen (Norwegian University of Science and Technology), Steen Koekebakker and Valeri Zakamouline (both University of Agder). *International Journal of Theoretical and Applied Finance*, **17**(2), pp. ??-?? (27 pages), 2014.
81. *Optimal portfolios in commodity markets*. Co-author: Jukka Lempa (University of Oslo). *Finance & Stochastics*, **18**(2), pp. 407–430, 2014.
82. *On stochastic integration for volatility modulated Brownian-driven Volterra processes via white noise analysis*. Co-authors: Ole Barndorff-Nielsen and Benedykt Szozda (both University of Aarhus). *Infinite Dimensional Analysis Quantum Probability and Related Fields*, **17**(2), pp. 14500, 2014.
83. *Pricing and hedging options in energy markets using Black-76*. Co-author: Maren Schmeck (University of Oslo). *Journal of Energy Markets*, **7**(2), pp. 35–69, 2014.
84. *Futures pricing in electricity markets based on stable CARMA spot models*. Co-authors: Gernot Müller and Claudia Klüppelberg (Technical University of Munich), and Linda Vos (University of Oslo and Agder). *Energy Economics*, **44**, pp. 392–406, 2014.
85. *Representation of infinite dimensional forward price models in commodity markets*. Co-author: Paul Krühner (University of Oslo). *Communications in Mathematics and Statistics*, **2**(1), pp. 47–106, 2014.

86. *Modelling electricity futures by ambit fields*. Co-authors: Ole E. Barndorff-Nielsen and Almut Veraart (University of Aarhus). *Advances in Applied Probability*, **46**(3), pp. 719–745, 2014.
87. *A pricing measure to explain the risk premium in power markets*. Co-author: Salvador Ortiz-Latorre (University of Oslo). *SIAM Journal of Financial Mathematics*, **5**, pp. 685–728, 2014.
88. *The forward dynamics in energy markets – infinite dimensional modeling and simulation*. Co-author: Andrea Barth (ETH Zürich). *Stochastics*, **86**(6), pp. 932–966, 2014.
89. *Pricing of spread options on a bivariate jump market and stability to model risk*. Co-authors: Giulia Di Nunno (University of Oslo), Asma Khedher (Technical University Munich) and Maren Schmeck (University of Cologne). *Applied Mathematical Finance*, **22**(1), pp. 28–62, 2015.
90. *Forward prices as functionals of the spot path in commodity markets modeled by Lévy semistationary processes*. Co-author: Sara Ana Solanilla Blanco (University of Oslo). *International Journal of Theoretical and Applied Finance*, **18**(2), pp. 1550010 (35 p.), 2015.
91. *Pricing and hedging quanto options in energy markets*. Co-authors: Nina Lange (Copenhagen Business School) and Tor Åge Myklebust (Norwegian School of Economics NHH). *Journal of Energy Markets*, **8**(1), pp. 1–35, 2015.
92. *Subordination of Hilbert space valued Lévy processes*. Co-author: Paul Krühner (University of Oslo). *Stochastics*, **87**(3), pp. 458–476, 2015.
93. *Stochastic dynamical modelling of spot freight rates*. Co-authors: Steen Koekebakker (University of Agder) and Imran bin Che Taib (University of Oslo). *IMA Journal of Management Mathematics*, **26**(3), pp. 273–297, 2015.
94. *Derivatives pricing in energy markets: an infinite dimensional approach*. Co-author: Paul Krühner (Dortmund University). *SIAM Journal of Financial Mathematics*, **6**(1), pp. 825–869, 2015.
95. *A change of measure preserving the affine structure in the BNS model for commodity markets*. Co-author: Salvador Ortiz-Latorre (University of Oslo). *International Journal of Theoretical and Applied Finance*, **18**(6), 1550038, 2015.
96. *Pricing and hedging Asian-style options in energy*. Co-author: Nils Deatering (Ludwig-Maximilian University Munich). *Finance & Stochastics*, **19**(4), pp. 849–889, 2015.

97. *Pricing of forwards and other derivatives in cointegrated commodity markets*. Co-author: Steen Koekebakker (University of Agder). *Energy Economics*, **52**, pp 104–117, 2015.
98. *Approximation of the price dynamics of heating degree day and cooling degree day temperature futures*. Co-author: Sara Ana Solanilla Blanco (University of Oslo). *Journal of Energy Markets*, **8**(4), pp. 69–92, 2015.
99. *Simulation of volatility modulated Volterra processes using hyperbolic stochastic partial differential equations*. Co-author: Heidar Eyjolfsson (University of Bergen). *Bernoulli*, **22**(2), pp. 774–793, 2016.
100. *Pricing and hedging of energy spread options and volatility modulated Volterra processes*. Co-author: Hanna Zdanowicz (University of Oslo). *International Journal of Theoretical and Applied Finance*, **19**(1), 1650002, 2016.
101. *Integration theory for infinite dimensional volatility modulated Volterra processes*. Co-author: Andre Süss (University of Barcelona). *Bernoulli*, **22**(3), pp. 1383–1430, 2016.
102. *Stochastic modelling of Supramax spot and forward freight rates*. Co-author: Steen Koekebakker (University of Agder). *Maritime Economics & Logistics*, **18**(4), pp. 391–413, 2016.
103. *Representation and approximation of ambit fields in Hilbert space*. Co-author: Heidar Eyjolfsson (University of Bergen). *Stochastics*, **89**(1), pp. 311–347, 2017.
104. *Calibration of temperature futures by changing the mean reversion*. Co-author: Salvador Ortiz-Latorre (University of Oslo). *Journal of Energy Markets*, **10**(1), pp. 1–25, 2017
105. *Optimal management of green certificates in the Swedish-Norwegian market*. Co-authors: Marcus Eriksson (University of Oslo) and Sjur Westgaard (NTNU Trondheim). *Journal of Energy Markets*. **10**(2), pp. 1–39, 2017
106. *Stochastic modelling of photovoltaic power generation and electricity prices*. Co-author: Noor 'Adilah Ibrahim (University of Oslo and Islamic Science University of Malaysia). *Journal of Energy Markets*, **10**(3), pp. 1–33, 2017.
107. *A regime-switching copula approach to modeling day-ahead prices in coupled electricity markets*. Co-author: Anca Pircalabu (NEAS and University of Aalborg). *Energy Economics*, **68**, pp. 283–302, 2017.
108. *Ornstein-Uhlenbeck processes in Hilbert space with non-Gaussian stochastic volatility*. Co-authors: Barbara Rüdiger (Wuppertal University) and Andre Süss (University of Oslo). *Stochastic Processes and their Applications*, **128**, pp. 461–486, 2018.

109. *Approximation of forward curve models in commodity markets with arbitrage-free finite dimensional models.* Co-author: Paul Krühner (University of Liverpool). *Finance & Stochastics*, **22**(2), pp. 327–366, 2018.
110. *Multivariate modeling and analysis of regional ocean freight rates.* Co-authors: Roar Adland (School of Economics, Bergen) and Steen Koekebakker (University of Agder, Kristiansand). *Transportation Research Part E: Logistics and Transportation Review*, **113**, pp. 194–221, 2018.
111. *Stochastic modelling of wind derivatives in energy markets.* Co-authors: Silvia Lavagnini (University of Oslo) and Luca Di Persio (University of Verona). *RISKS* **6**(2), paper 56, 2018.
112. *A non-Gaussian Ornstein-Uhlenbeck model for pricing wind power futures.* Co-author: Anca Pircalabu (NEAS and University of Aalborg). *Applied Mathematical Finance*, **25**(1), pp. 36–65, 2018.
113. *The Heston stochastic volatility model in Hilbert space.* Co-author: Iben Simonsen (University of Oslo). *Stochastic Analysis and Applications*, **36**(4), pp. 733–750, 2018.
114. *A structural model for electricity forward prices.* Co-author: Florentina Paraschiv (University of St. Gallen and NTNU). *Journal of Banking & Finance*, **95**, pp. 203–216, 2018.
115. *Cointegration in continuous time for factor models.* Co-author: Andre Süss (Zürich). *Mathematics and Financial Economics*, **13**, pp. 87–114, 2019.
116. *On non-negative modeling with CARMA processes.* Co-author: Victor Rohde (University of Aarhus). *Journal of Mathematical Analysis and Applications*, **476**(1), pp 196–214, 2019.
117. *Mean-reverting additive energy forward curves in a Heath-Jarrow-Morton framework.* Co-authors: Marco Piccirilli and Tiziano Vargiolu (University of Padova). *Mathematics and Financial Economics*, **13**(4), pp. 543–577, 2019.
118. *Pricing of commodity derivatives on processes with memory,* Co-authors: Michele Vanmaele (University of Ghent) and Asma Khedher (University of Amsterdam). *Risks*, **8**(1), pp. 8(electronic), 2020.
119. *Towards definition of the risk premium.* Co-authors: Nikola Kreçar and Andrej Gubina (University of Ljubljana). *IEEE Transactions on Power Systems*, **35**(2), pp. 1085–198, 2020.

In refereed proceedings and book collections

1. *Integrals in the Hida Distribution Space, $(S)^*$* . In “Stochastic Analysis and Related Topics; Stochastic Monographs Vol. 8”, pp. 89-101. T. Lindstrøm, B. Øksendal and A. S. Ustunel (eds.). Gordon and Breach Science Publishers, 1993.
2. *A Note on the Population Growth in a Crowded Stochastic Environment*. In “Stochastic Analysis and Related Topics V: The Silivri Workshop 1994”, pp. 111-120. H. Korezlioglu, B. Øksendal and A. S. Ustunel (eds.). Birkhäuser Verlag, 1996.
3. *A Generalized Feynman-Kac Formula for the Stochastic Heat Problem with Anticipating Initial Conditions*. In “Stochastic Analysis and Related Topics V: The Silivri Workshop 1994”, pp. 121-134. H. Korezlioglu, B. Øksendal and A. S. Ustunel (eds.). Birkhäuser Verlag, 1996.
4. *Wick Products of Complex Valued Random Variables*. Coauthors: Jan Ubøe (Stord/Haugesund College, Norway), Bernt Øksendal (University of Oslo, Norway) and Tusheng Zhang (Stord/Haugesund College, Norway). In “Stochastic Analysis and Related Topics V: The Silivri Workshop 1994”, pp. 135-156. H. Korezlioglu, B. Øksendal and A. S. Ustunel (eds.). Birkhäuser Verlag, 1996.
5. *Numerical Solution of the Pressure Equation for Fluid Flow in a Stochastic Medium*. Coauthor: Jon Gjerde (University of Oslo, Norway). In “Stochastic Analysis and Related Topics, Vol VI: The Geilo Workshop 1996”, pp.175-186. L. Decreusefond, J. Gjerde, B. Øksendal and A. S. Ustunel (eds.). Birkhäuser Verlag, 1998.
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