Heilmann, IT, Thygesen, UH & Sørensen, MP 2018, 'Spatio-temporal pattern formation in predator-prey systems with fitness taxis' Ecological Complexity, vol 34, pp. 44-57. DOI: 10.1016/j.ecocom.2018.04.003


De Zotti, G, Pourmousavi, SA, Madsen, H & Poulsen, NK 2018, 'Ancillary Services 4.0: A Top-To-Bottom Control-Based Approach for Solving Ancillary Services Problems in Smart Grids’ IEEE Access, vol 6, pp. 11694-11706. DOI: 10.1109/ACCESS.2018.2805330


Hedlund, FH & Jarleivson Hilduberg, Ø 2018, 'Dangers of releasing CO$_2$ to fight fires in the cargo hold of seagoing bulk carriers' 8th International Symposium on Energy, Aberdeen, United Kingdom, 06/08/2018 - 09/08/2018,


Hansen, FT, Burns, F, Post, SL, Thygesen, UH & Jansen, T 2018, 'Length measurement methods of Atlantic mackerel (Scomber scombrus) and Atlantic horse mackerel (Trachurus trachurus) – current practice, conversion keys and recommendations' Fisheries Research, vol 205, pp. 57-64. DOI: 10.1016/j.fishres.2018.04.002


Bravo Gonzalo, I, Engelsholm, RD, Sørensen, MP & Bang, O 2018, 'Polarization noise places severe constraints on coherence of all-normal dispersion femtosecond supercontinuum generation' Scientific Reports, vol 8, 6579. DOI: 10.1038/s41598-018-24691-7


Hedlund, FH 2017, 'Blygsamt övertryck fick spektakulära följder' Kemivärlden Biotech med Kemisk Tidsskrift, no. 2, pp. 21-23.


Christiansen, LE & True, H 2017, 'Dynamics of a railway vehicle on a laterally disturbed track' Vehicle System Dynamics, pp. 1-32. DOI: 10.1080/00423114.2017.1372584


Hedlund, FH 2017, 'Explosion i rötkammare med biogas' Kemivärlden Biotech med Kemisk Tidsskrift, no. 4, pp. 20-23.


Hedlund, FH 2017, 'Høringssvar - Vejledning om definition større uheld 2017', 11 p..

Hedlund, FH 2017, 'Høringssvar - Vejledning om sikring af risikovirksomheder 2017', 38 p..


Oland, E, Bossolini, E, Nielsen, OW, Sørensen, MP & Veje, C 2017, Modelling the thermal properties of large diameter fibre ropes. in Proceedings of the 2017 Oipeec Conference - Rope - Present and Future.


Ranjan, A, Wendt, SL, Schmidt, S, Madsbad, S, Holst, JJ, Madsen, H, Knudsen, CB, Jørgensen, JB & Nørgaard, K 2017, 'Relationship between Optimum Mini-doses of Glucagon and Insulin Levels when Treating Mild Hypoglycaemia in Patients with Type 1 Diabetes - A Simulation Study' Basic & Clinical Pharmacology & Toxicology, pp. n/a-n/a. DOI: 10.1111/bcpt.12907


Cali, D, Bachalarz, M, Bacher, P, Madsen, H, Lex, SW & Koed Rasmussen, M 2017, skoleklima.dk – A platform to monitor air quality and thermal comfort in classrooms, developed for teachers and students. in Book of Abstracts, Sustain 2017., S-4, Technical University of Denmark (DTU).


Pedersen, JW, Courdent, VAT, Vezzaro, L, Madsen, H & Mikkelson, PS 2017, 'Urban runoff forecasting with ensemble weather predictions' NORDIWA Nordic Wastewater Conference 2017, Aarhus, Denmark, 10/10/2017 - 12/10/2017,


Christiansen, LE & True, H 2017, 'Warum ist es so schwierig, die lateralen Gleisstörungen durch Messungen der Fahrzeugdynamik zu bestimmen' ZEV rail, pp. 133 -139.


Sekunda, AK, Niemann, HH & Poulsen, NK 2016, Active Fault Detection Based on a Statistical Test. in Proceedings of 3rd Conference on Control and Fault-Tolerant Systems. IEEE, pp. 511-18. DOI: 10.1109/SYSTOL.2016.7739800
Kirkeby, CT, Græsbøll, K, Nielsen, SS, Christiansen, LE, Toft, N & Hisham Beshara Halasa, T 2016, 'Adaptive Test Schemes for Control of Paratuberculosis in Dairy Cows' P L o S One, vol 11, no. 12, e0167219. DOI: 10.1371/journal.pone.0167219


Gussmann, MK, Kirkeby, CT, Græsbøll, K, Christiansen, LE, Nielsen, SS, Toft, N & Hisham Beshara Halasa, T 2016, 'A herd- and cow-specific decision support tool for control of mastitis' SVEPM, Elsinore, Denmark, 16/03/2016 - 18/03/2016


Rønne Rasmussen, A, Sørensen, MP, Gaididei, YB & Christiansen, PL 2016, 'Compound waves in a higher order nonlinear model of thermoviscous fluids' Mathematics and Computers in Simulation, vol 127, pp. 236-251. DOI: 10.1016/j.matcom.2014.01.009


Heilmann, ILT, Starke, J, Andersen, KH, Thygesen, UH & Sørensen, MP 2016, 'Dynamics of a physiologically structured population in a time-varying environment' *Ecological Complexity*, vol 28, pp. 54-61. DOI: 10.1016/j.ecocom.2016.10.004


Hedlund, FH 2016, 'Er sprængpladen vendt korrekt?' *Dansk Kemi*, vol 97, no. 5, pp. 41-42.


Delikaraoglou, S, Morales González, JM & Pinson, P 2016, 'Impact of Inter- and Intra-Regional Coordination in Markets With a Large Renewable Component' *IEEE Transactions on Power Systems*, vol 31, no. 6, pp. 5061-5070. DOI: 10.1109/TPWRS.2016.2530981


Petersen, LN, Poulsen, NK, Niemann, HH, Utzen, C & Jørgensen, JB 2016, Industrial application of model predictive control to a milk powder spray drying plant. in *Proceedings of the 15th annual European Control Conference (ECC ’16)*. IEEE, pp. 1038-1044. DOI: 10.1109/ECC.2016.7810426

Hedlund, FH 2016, 'Kronik: Virksomheder med elitesmiley flyver under radaren' Ingeniøren, no. 27.05.2016, pp. 6.

Hedlund, FH, Selig, RS & Kragh, EK 2016, 'Large Steel Tank Fails and Rockets to Height of 30 meters - Rupture Disc Installed Incorrectly' Safety and Health at Work, vol 7, no. 2, pp. 130-137. DOI: 10.1016/j.shaw.2015.11.004


Wendt, SL, Boye Knudsen, C, Jørgensen, JB, Madsen, H & Haidar, A 2016, 'Modelling the glucose-insulin-glucagon dynamics after subcutaneous administration of native glucagon and a novel glucagon analogue in dogs' 9th International Conference on Advanced Technologies and Treatments for Diabetes (ATTD 2016), Milan, Italy, 03/02/2016 - 06/02/2016,

Pedersen, EB, Herbertsson, HR, Niemann, H, Poulsen, NK & Falk, AKV 2016, 'Model Predictive Control of Sewer Networks' Journal of Physics: Conference Series (Online), vol 783, 012026. DOI: 10.1088/1742-6596/783/1/012026


Baunsgaard, KMH, Ravn, O, Kallesoe, CS & Poulsen, NK 2016, MPC control of water supply networks. in Proceedings of the 15th annual European Control Conference (ECC ’16). IEEE, pp. 1770-1775. DOI: 10.1109/ECC.2016.7810547


Bacher, P, de Saint-Aubain, PA, Christiansen, LE & Madsen, H 2016, 'Non-parametric method for separating domestic hot water heating spikes and space heating' Energy and Buildings, vol 130, pp. 107-112. DOI: 10.1016/j.enbuild.2016.08.037


Gaididei, Y, Rasmussen, AR, Christiansen, PL & Sørensen, MP 2016, 'Oscillating nonlinear acoustic shock waves' Evolution Equations and Control Theory (Online), vol 5, no. 3, pp. 367-381. DOI: 10.3934/eect.2016009


Boiroux, D, Aradóttir, TB, Hagdrup, M, Poulsen, NK, Madsen, H & Jørgensen, JB 2015, 'A Bolus Calculator Based on Continuous-Discrete Unscented Kalman Filtering for Type 1 Diabetics' I F A C Workshop Series, vol 48, no. 20, pp. 159-164. DOI: 10.1016/j.ifacol.2015.10.132


Schmidt, S, Boiroux, D, Ranjan, A, Jørgensen, JB, Madsen, H & Nørgaard, K 2015, 'An artificial pancreas for automated blood glucose control in patients with Type 1 diabetes' Therapeutic Delivery, vol 6, no. 5, pp. 211-221. DOI: 10.4155/tde.15.12


Bergami, L & Poulsen, NK 2015, 'A smart rotor configuration with linear quadratic control of adaptive trailing edge flaps for active load alleviation' Wind Energy, vol 18, no. 4, pp. 625-641. DOI: 10.1002/we.1716


Græsbøll, K., Kirkeby, C., Nielsen, SS. & Christiansen, LE. 2015, 'Danish holsteins favor bull offspring: Biased Milk Production as a Function of Fetal Sex, and Calving Difficulty' *PLoS One*, vol 10, no. 4, e0124051. DOI: 10.1371/journal.pone.0124051


O'Connell, N., Pinson, P., Madsen, H. & O'Malley, M 2015, 'Economic Dispatch of Demand Response Balancing through Asymmetric Block Offers' *IEEE Transactions on Power Systems*, vol 31, no. 4, pp. 2999-3007. DOI: 10.1109/TPWRS.2015.2475175


Schilder, F., Bureau, E., Santos, IF., Thomsen, JJ. & Starke, J 2015, 'Experimental bifurcation analysis—Continuation for noise-contaminated zero problems' *Journal of Sound and Vibration*, vol 358, pp. 251-266. DOI: 10.1016/j.jsv.2015.08.008
Giebel, G, Göçmen Bozkurt, T, Sørensen, PE, Réthoré, P-E, Poulsen, NK, Mirzaei, M, Skjelmose, MR & Kristoffersen, JR 2015, ‘Experimental verification of a real-time power curve for down-regulated offshore wind power plants’ EWEA Offshore 2015 Conference, Copenhagen, Denmark, 10/03/2015 - 12/03/2015,


Møller, JK & Christiansen, LE 2015, Kommentarer til Modeller for Danske Fjorde og Kystnære Havområder.

Møller, JK & Christiansen, LE Kommentarer til Modeller for Danske Fjorde og Kystnære Havområder - opfølgning.


Göçmen Bozkurt, T, Giebel, G, Sørensen, PE, Réthoré, P-E, Mirzaei, M, Poulsen, NK, Skjelmose, MR & Kristoffersen, JR 2015, ‘Real-time available power estimation for offshore wind power plants’ EWEA Offshore 2015 Conference, Copenhagen, Denmark, 10/03/2015 - 12/03/2015,


Græsbøll, K, Nielsen, SS, Toft, N & Christiansen, LE 2015, ‘Simulating Spread of Antimicrobial Resistant Bacteria in the Pig Pen: try our online tool’ Annual Conference of The Society for Veterinary Epidemiology and Preventive Medicine, Ghent, Belgium, 25/03/2015 - 27/03/2015,

Græsbøll, K, Nielsen, SS, Toft, N & Christiansen, LE 2015, ‘Simulating Spread of Antimicrobial Resistant Bacteria in the Pig Pen: try our online tool’ 14th Conference of the International Society for Veterinary Epidemiology and Economics, Mérida, Yucatan, Mexico, 03/11/2015 - 07/11/2015,


Halvgaard, RF, Munk-Nielsen, T, Tychoesen, P, Grum, M & Madsen, H 2015, 'Stochastic Greybox Modeling of an Alternating Activated Sludge Process' 9th IWA Symposium on Systems Analysis and Integrated Assessment (Watermatex 2015), Gold Coast, Queensland, Australia, 14/06/2015 - 17/06/2015,

Østergaard, NB, Christiansen, LE & Dalgaard, P 2015, 'Stochastic modelling of Listeria monocytogenes single cell growth in cottage cheese with mesophilic lactic acid bacteria from aroma producing cultures' International Journal of Food Microbiology, vol 204, pp. 55-65. DOI: 10.1016/j.ijfoodmicro.2015.03.022


Mirzaei, M, Göçmen Bozkurt, T, Giebel, G, Sørensen, PE & Poulsen, NK 2015, Turbine Control Strategies for Wind Farm Power Optimization. in Proceedings of 2015 American Control Conference. IEEE, pp. 1709 - 1714. DOI: 10.1109/ACC.2015.7170979


Græsbøll, K, Nielsen, SS, Hisham Beshara Halasa, T, Kirkeby, C, Toft, N & Christiansen, LE 2014, 'Association of MAP specific ELISA-responses and productive parameters in 314 Danish dairy farms’ 12th International Colloquium on Paratuberculosis, Parma, Italy, 22/06/2014 - 26/06/2014,


Rosgaard, MH, Hahmann, AN, Nielsen, TS, Sørensen, PE, Madsen, H & Giebel, G 2014, 'Evaluation of Dynamical Downscaling Resolution Effect on Wind Energy Forecast Value for a Wind Farm in Central Sweden' 3rd International Lund Regional-Scale Climate Modelling Workshop, Lund, Sweden, 16/06/2014 - 19/06/2014,


Castaignet, D, Barlas, TK, Buhl, T, Poulsen, NK, Wedel-Heinen, JJ, Olesen, NA, Bak, C & Kim, T 2014, 'Full-scale test of trailing edge flaps on a Vestas V27 wind turbine: active load reduction and system identification' Wind Energy, vol 17, no. 4, pp. 549–564. DOI: 10.1002/we.1589


Mirzaei, M, Soltani, M, Poulsen, NK & Niemann, HH 2014, Model based active power control of a wind turbine. in Proceedings of the American Control Conference. IEEE, pp. 5037-5042. DOI: 10.1109/ACC.2014.6859055


Filatrella, G, Pierro, V, Pedersen, NF & Sørensen, MP 2014, 'Negative Differential Resistance due to Nonlinearities in Single and Stacked Josephson Junctions' IEEE Transactions on Applied Superconductivity, vol 24, no. 6, 1800407. DOI: 10.1109/TASC.2014.2311383


Löwe, R, Thorndahl, S, Mikkelsen, PS, Rasmussen, MR & Madsen, H 2014, 'Probabilistic online runoff forecasting for urban catchments using inputs from rain gauges as well as statically and dynamically adjusted weather radar' *Journal of Hydrology*, vol 512, pp. 397–407. DOI: 10.1016/j.jhydrol.2014.03.027


O'Connell, N, Madsen, H, Pinson, P, O'Malley, M & Green, T 2014, Regulating Power from Supermarket Refrigeration. in *Proceedings of the IEEE ISGT Europe 2014.*, 0414, IEEE. DOI: 10.1109/ISGTEurope.2014.7028781


Wallerek, S, Græsbøll, K & Sørensen, JB 2014, ‘Retrospective community based explorative study on Cisplatin-based adjuvant chemotherapy vs. surgery only in completely resected stage IB non-small cell lung cancer (NSCLC)’ 39th ESMO Congress (ESMO 2014), Madrid, Spain, 26/09/2014 - 30/09/2014,


Hansen, VL & Hjorth, PG 2013, 'Abelpris til Pierre Deligne for banebrydende matematisk rapsodi om de algebraiske ligningers geometri' Aktuel Naturvidenskab, vol 2013, no. 6, pp. 47-49.


Costanzo, GT, Gehrke, O, Bondy, DEM, Sossan, F, Bindner, HW, Parvizi, J & Madsen, H 2013, A Coordination Scheme for Distributed Model Predictive Control: Integration of Flexible DERs. in Proceedings of IEEE Innovative Smart Grid Technologies Europe 2013. IEEE. DOI: 10.1109/ISGTEurope.2013.6695474


Andersen, PHD, Rode, C & Madsen, H 2013, 'An arctic low-energy house as experimental setup for studies of heat dynamics of buildings' Frontiers of Architectural Research, vol 2, no. 4, pp. 488-499. DOI: 10.1016/j.foar.2013.08.003


Zermeno, VMR, Abrahamsen, AB, Mijatovic, N, Jensen, BB & Sørensen, MP 2013, 'Calculation of alternating current losses in stacks and coils made of second generation high temperature superconducting tapes for large scale applications' Journal of Applied Physics, vol 114, no. 17, pp. 173901. DOI: 10.1063/1.4827375

Dorini, GF, Pinson, P & Madsen, H 2013, 'Chance-constrained optimization of demand response to price signals' IEEE Transactions on Smart Grid, vol 4, no. 4, pp. 2072-2080. DOI: 10.1109/TSG.2013.2258412

Duan-Henriksen, AK, Schmidt, S, Neggaard, K & Madsen, H 2013, Clinical Data for Advanced Glucose Modeling. Technical University of Denmark (DTU), Kgs. Lyngby. DTU Compute-Technical Report-2013, no. 06

Boklund, A, Hisham Beshara Halasa, T, Christiansen, LE & Enæe, C 2013, 'Comparing control strategies against foot-and-mouth disease: Will vaccination be cost-effective in Denmark?' Preventive Veterinary Medicine, vol 111, no. 3-4, pp. 206-219. DOI: 10.1016/j.prevetmed.2013.05.008


Gaididei, YB, Gorria, C, Berkemer, R, Kawamoto, A, Shiga, T, Christiansen, PL, Sørensen, MP & Starke, J 2013, 'Controlling traffic jams by time modulating the safety distance' Physical Review E, vol 88, no. 4, 042803. DOI: 10.1103/PhysRevE.88.042803


Pinson, P & Tastu, J 2013, Discrimination ability of the Energy score. Technical University of Denmark (DTU), Kgs. Lyngby. DTU Compute-Technical Report-2013, no. 15

Starke, J 2013, Dynamical System Approaches to Combinatorial Optimization. in PM Pardalos, D-Z Du & RL Graham (eds), Handbook of Combinatorial Optimization. Springer, pp. 1065-1124. DOI: 10.1007/978-1-4419-7997-1_43


Wind-Willassen, Ø, Moláček, J, Harris, DM & Bush, JWM 2013, 'Exotic states of bouncing and walking droplets' Physics of Fluids, vol 25, no. 8, 082002. DOI: 10.1063/1.4817612


Jónsson, T, Pinson, P, Nielsen, HA, Madsen, H & Nielsen, TS 2013, 'Forecasting Electricity Spot Prices Accounting for Wind Power Predictions' IEEE Transactions on Sustainable Energy, vol 4, no. 1, pp. 210-218 . DOI: 10.1109/TSTE.2012.2212731

Forecasting Production Losses at a Swedish Wind Farm, Davis, N, Hahmann, AN, Clausen, N-E, Zagar, M & Pinson, P Forecasting Production Losses at a Swedish Wind Farm. Sound/Visual production (digital).


Castaignet, D, Couchman, I, Poulsen, NK, Buhl, T & Wedel-Heinen, JJ 2013, 'Frequency-Weighted Model Predictive Control of Trailing Edge Flaps on a Wind Turbine Blade' I E E E Transactions on Control Systems Technology, vol 21, no. 4, pp. 1105-1116. DOI: 10.1109/TCST.2013.2260750


Andersen, PHD, Rode, C & Madsen, H 2013, Low-energy house in Sisimiut - Data overview. Technical University of Denmark (DTU), Kgs. Lyngby. DTU Compute-Technical Report-2013, no. 18


Mirzaei, M, Soltani, M, Poulsen, NK & Niemann, HH 2013, Model Predictive Control of Wind Turbines using Uncertain LiDAR Measurements. in 2013 American Control Conference (ACC). IEEE, pp. 2235-2240 . American Control Conference


Bacher, P, Madsen, H & Nielsen, HA 2013, Online load forecasting for supermarket refrigeration. in 2013 4th IEEE/PES Innovative Smart Grid Technologies Europe (ISGTEurope). IEEE. DOI: 10.1109/ISGTEurope.2013.6695467


Göçmen, T, Giebel, G, Sørensen, PE & Mirzaei, M 2013, 'PossPOW: Possible Power of Downregulated Offshore Wind Power Plants' EWEA Offshore 2013, Frankfurt, Germany, 19/11/2013 - 21/11/2013,


Barahona Garzón, B, Cutululis, NA, Trombe, P-J & Pinson, P 2013, Regime-based supervisory control to reduce power fluctuations from offshore wind power plants. in 2013 IEEE Grenoble PowerTech (POWERTECH). IEEE. DOI: 10.1109/PTC.2013.6652369


Boklund, A, Christiansen, LE, Hisham Beshara Halasa, T & Enøe, C 2013, 'Simulated effects of changes in herd sizes and densities with regard to fmd outbreaks in Denmark' SVEPM Annual Meeting 2013, Madrid, Spain, 20/03/2013 - 22/03/2013,


Hjorth, PG & Karamehmedovic, M 2013, 'Sizing of Microparticles from Angular Scattering Ratio' Paper presented at Foodtech Bazar, Roskilde, Denmark, 30/10/2013,


Löwe, R, Vezzaro, L, Grum, M, Mikkelsen, PS & Madsen, H 2013, 'Stochastic runoff forecasting and real time control of urban drainage systems' 7th Annual Meeting of the Danish Water Research and Innovation Platform, Kgs. Lyngby, Denmark, 31/01/2013 - 31/01/2013,


Petersen, LN, Poulsen, NK, Niemann, HH, Utzen, C & Jørgensen, JB 2013, 'The Potential of Economic Model Predictive Control for Spray Drying Plants' 18th Nordic Process Control Workshop, Oulu, Finland, 22/08/2013 - 23/08/2013,

Græsbøll, K, Kirkeby, C, Bødker, R, Stockmarr, A, Christiansen, LE & Lind, P 2013, 'The range of attraction for light traps catching Culicoides biting midges' EDENext Annual Meeting, Barcelona, Spain, 19/03/2013 - 22/03/2013,


Trombe, P-J, Pinson, P, Vedel, H, Barahona Garzón, B & Madsen, H 2013, 'Weather radars for wind energy applications' Danish Wind Power Research 2013, Fredericia, Denmark, 27/05/2013 - 28/05/2013,


Mirzaei, M, Poulsen, NK & Niemann, HH 2012, 'Designing Trailing Edge Flaps of Wind Turbines using an Integrated Design Approach' Paper presented at 10th European Workshop on Advanced Control and Diagnosis, Kgs. Lyngby, Denmark, 08/11/2012 - 09/11/2012,

Rosgaard, MH, Hahmann, AN, Nielsen, TS, Madsen, H, Giebel, G & Sørensen, PE 2012, 'Integrated Wind Power Planning Tool' European Geosciences Union General Assembly 2012, Vienna, Austria, 22/04/2012 - 27/04/2012,


