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Journal articles

Cunis, T, Condomines, J-P, Burlion, L & La Cour-Harbo, A 2020, 'Dynamic stability analysis of aircraft flight in deep-stall', *Journal of Aircraft*, vol. 57, no. 1, pp. 143–155. <https://doi.org/10.2514/1.C035455>

Primatesta, S, Rizzo, A & La Cour-Harbo, A 2020, 'Ground risk map for Unmanned Aircraft in Urban Environments', *Journal of Intelligent and Robotic Systems*, vol. 97, no. 3-4, pp. 489–509. <https://doi.org/10.1007/s10846-019-01015-z>

Majumder, S, Nielsen, JFD, la Cour-Harbo, A, Schiøler, H & Bak, T 2019, 'A Real-time On-Chip Network Architecture for Mixed Criticality Aerospace Systems', *The Aeronautical Journal*, vol. 123, no. 1269, pp. 1788-1806. <https://doi.org/10.1017/aer.2019.80>

La Cour-Harbo, A & Schiøler, H 2019, 'Probability of low altitude midair collision between general aviation and unmanned aircraft', *Risk Analysis*, vol. 39, no. 11, pp. 2499-2513. <https://doi.org/10.1111/risa.13368>

Majumder, S, Nielsen, JFD, Bak, T & La Cour-Harbo, A 2019, 'Reliable flight control system architecture for agile airborne platforms: an asymmetric multiprocessing approach', *The Aeronautical Journal*, vol. 123, no. 1264, pp. 840-862. <https://doi.org/10.1017/aer.2019.30>

La Cour-Harbo, A 2019, 'Quantifying Risk of Ground Impact Fatalities for Small Unmanned Aircraft', *Journal of Intelligent and Robotic Systems*, vol. 93, no. 1-2, pp. 367-384. <https://doi.org/10.1007/s10846-018-0853-1>

Gabrlík, P, La Cour-Harbo, A, Kalvodová, P, Zalud, L & Janata, P 2018, 'Calibration and Accuracy Assessment in a Direct Georeferencing System in UAS Photogrammetry', *International Journal of Remote Sensing*, vol. 39, no. 15-16, pp. 4931-4959. <https://doi.org/10.1080/01431161.2018.1434331>

la Cour-Harbo, A 2017, 'Mass threshold for 'harmless' drones', *International Journal of Micro Air Vehicles*, vol. 9, no. 2, pp. 77-92. <https://doi.org/10.1177/1756829317691991>

Hameed, I, la Cour-Harbo, A & Osen, OL 2016, 'Side-to-side 3D coverage path planning approach for agricultural robots to minimize skip/overlap areas between swaths', *Robotics and Autonomous Systems*, vol. 76, pp. 36-45. <https://doi.org/10.1016/j.robot.2015.11.009>

Latroch, M, Abdelhafid, O, Koivo, HN & la Cour-Harbo, A 2013, 'A hybrid Radio-vision fault tolerant localization for mini UAV flying in swarm', *Przeegląd Elektrotechniczny*, vol. 89, no. 8, pp. 106-110. <http://www.sigma-not.pl/publikacja-78454-a-hybrid-radio-vision-fault-tolerant-localization-for-mini-uav-flying-in-swarm-przeegląd-elektrotechniczny-2013-8.html>

Bisgaard, M, la Cour-Harbo, A & Bendtsen, JD 2010, 'Adaptive Control System for Autonomous Helicopter Slung Load Operations', *Control Engineering Practice*, vol. 18, no. 7, pp. 800-811. <https://doi.org/10.1016/j.conengprac.2010.01.017>

Bisgaard, M, Bendtsen, JD & la Cour-Harbo, A 2009, 'Modeling of Generic Slung Load System', *Journal of Guidance, Control, and Dynamics*, vol. 32, no. 2, pp. 573-585. <https://doi.org/10.2514/1.36539>

la Cour-Harbo, A 2008, 'On the Rudin-Shapiro transform', *Applied and Computational Harmonic Analysis*, vol. 24, no. 3, pp. 310-328. <https://doi.org/10.1016/j.acha.2007.05.003>

la Cour-Harbo, A 2004, 'Geometrical modeling of a two-dimensional sensor array for determining spatial position of a passive object', *IEEE Sensors Journal*, vol. 4, no. 5, pp. 627-642.

Books

Jensen, A & la Cour-Harbo, A 2001, *Ripples in Mathematics - The Discrete Wavelet Transform*. Springer.

Conference publications

Bektash, OM & la Cour-Harbo, A 2020, Vibration Analysis for Anomaly Detection in Unmanned Aircraft. in A Saxena (ed.), *ANNUAL CONFERENCE OF THE PROGNOSTICS AND HEALTH MANAGEMENT SOCIETY 2020*. 1 edn, vol. 12, PHM Society, ANNUAL CONFERENCE OF THE PROGNOSTICS AND HEALTH MANAGEMENT SOCIETY 2020, 09/11/2020. <https://doi.org/10.36001/phmconf.2020.v12i1.1143>

Bektash, OM, Pedersen, JN, Gomez, AR & la Cour-Harbo, A 2020, Automated Emergency Landing System for Drones: SafeEYE Project. in *2020 International Conference on Unmanned Aircraft Systems (ICUAS)*., 9214073, IEEE (Institute of Electrical and Electronics Engineers), International Conference on Unmanned Aircraft Systems (ICUAS), pp. 1056-1064, 2020 International Conference on Unmanned Aircraft Systems (ICUAS), Athen, Greece, 01/09/2020. <https://doi.org/10.1109/ICUAS48674.2020.9214073>

La Cour-Harbo, A 2020, Ground impact probability distribution for small unmanned aircraft in ballistic descent. in *2020 International Conference on Unmanned Aircraft Systems (ICUAS)*., 9213990, IEEE (Institute of Electrical and Electronics Engineers), International Conference on Unmanned Aircraft Systems (ICUAS), pp. 1442-1451, 2020 International Conference on Unmanned Aircraft Systems (ICUAS), Athen, Greece, 01/09/2020. <https://doi.org/10.1109/ICUAS48674.2020.9213990>

Baris, O, Majumder, S, Biskopstø Strøm, T, la Cour-Harbo, A, Sparsø, J, Bak, T & Schoerbel, M 2019, Demonstration of a Time-predictable Flight Controller on a Multicore Processor. in *2019 IEEE 22nd International Symposium on Real-Time Distributed Computing (ISORC)*., 8759351, IEEE (Institute of Electrical and Electronics Engineers), International Symposium on Object-Oriented Real-Time Distributed Computing, pp. 95-96, 2019 IEEE 22nd International Symposium on Real-Time Distributed Computing (ISORC), Valencia , Spain, 07/05/2019. <https://doi.org/10.1109/ISORC.2019.00029>

Cunis, T, Leth, T, Totu, LC & La Cour-Harbo, A 2018, Identification of Thrust, Lift, and Drag for Deep-stall Flight Data of a Fixed-wing Unmanned Aircraft. in *2018 International Conference on Unmanned Aircraft Systems, ICUAS 2018.*, 8453340, IEEE (Institute of Electrical and Electronics Engineers), International Conference on Unmanned Aircraft Systems (ICUAS), pp. 531-538, 2018 International Conference on Unmanned Aircraft Systems (ICUAS), Dallas , Texas, United States, 12/06/2018. <https://doi.org/10.1109/ICUAS.2018.8453340>

La Cour-Harbo, A 2018, The Value of Step-by-Step Risk Assessment for Unmanned Aircraft. in *2018 International Conference on Unmanned Aircraft Systems, ICUAS 2018.*, 8453411, IEEE (Institute of Electrical and Electronics Engineers), International Conference on Unmanned Aircraft Systems (ICUAS), pp. 149-157, 2018 International Conference on Unmanned Aircraft Systems (ICUAS), Dallas , Texas, United States, 12/06/2018. <https://doi.org/10.1109/ICUAS.2018.8453411>

Schiøler, H, Totu, LC, La Cour-Harbo, A, Leth, J-J & Larsen, JA 2017, Easy 3D Mapping for Indoor Navigation of Micro UAVs. in *Proceedings of 14th International Conference on Informatics in Control, Automation and Robotics*. SciTePress, pp. 300-308, The 14th International Conference on Informatics in Control, Automation and Robotics, Madrid, Spain, 26/07/2017. <https://doi.org/10.5220/0006418303000308>

La Cour-Harbo, A 2017, Quantifying risk of ground impact fatalities of power line inspection BVLOS flight with small unmanned aircraft. in *2017 International Conference on Unmanned Aircraft Systems (ICUAS)*. IEEE (Institute of Electrical and Electronics Engineers), International Conference on Unmanned Aircraft Systems (ICUAS), pp. 1352 - 1360, International Conference on Unmanned Aircraft Systems 2017, Miami, Florida, United States, 13/06/2017. <https://doi.org/10.1109/ICUAS.2017.7991323>

Hansen, KD & La Cour-Harbo, A 2016, Waypoint planning with Dubins Curves using Genetic Algorithms. in *European Control Conference (ECC), 2016*. IEEE (Institute of Electrical and Electronics Engineers), pp. 2240-2246, European Control Conference 2016, Aalborg, Denmark, 28/06/2016. <https://doi.org/10.1109/ECC.2016.7810624>

Hameed, I, la Cour-Harbo, A & Hansen, KD 2014, Task and Motion Planning for Selective Weed Control using a Team of Autonomous Vehicles. in *The 13th IEEE International Conference on Control, Automation, Robotics and Vision (ICARCV2014)*, Fr45.4, IEEE (Institute of Electrical and Electronics Engineers), Singapore, International Conference on Control Automation Robotics & Vision (ICARCV), pp. 1853-1857, 2014 13th International Conference on Control Automation Robotics & Vision, Marina Bay Sands, Singapore, 10/12/2014. <https://doi.org/10.1109/ICARCV.2014.7064598>

Hansen, KD, Garcia Ruiz, FJ, Kazmi, W, Bisgaard, M, la Cour-Harbo, A, Rasmussen, J & Andersen, HJ 2013, An Autonomous Robotic System for Mapping Weeds in Fields. in *8th IFAC Symposium on Intelligent Autonomous Vehicles, 2013*. vol. 8, Elsevier, I F A C Workshop Series, pp. 217-224, Intelligent Autonomous Vehicles Symposium 2013, Gold Coast, Australia, 26/06/2013. <https://doi.org/10.3182/20130626-3-AU-2035.00055>

Bisgaard, M & la Cour-Harbo, A 2013, Estimating future aircraft intentions using short and long term behavior modeling. in *19th IFAC Symposium on Automatic Control in Aerospace*. Pergamon Press, I F A C Workshop Series, no. 1, vol. 19, pp. 72-77. <https://doi.org/10.3182/20130902-5-DE-2040.00124>

Storvold, R, la Cour-Harbo, A, Mulac, B, Davis, D & Crowe, W 2012, 'Enabling Use of Unmanned Aircraft Systems for Arctic Environmental Monitoring', International Polar Year Conference 2012, Montréal, Canada, 22/04/2012 - 27/11/2012. <<http://www.ipy2012montreal.ca/>>

Giebel, G, la Cour-Harbo, A, Bange, J & Reuder, J 2012, Autonomous Aerial Sensors for Wind Power Meteorology. in *Proceedings of the EWEA 2012*. EWEA 2012, Copenhagen, Denmark, 16/04/2012.

Schøler, F, la Cour-Harbo, A & Bisgaard, M 2012, Generating Approximative Minimum Length Paths in 3D for UAVs. in *Intelligent Vehicles Symposium (IV), 2012 IEEE*. IEEE Press, I E E E Intelligent Vehicles Symposium, pp. 229-233, 2012 IEEE Intelligent Vehicles Symposium (IV), Madrid, Spain, 03/06/2012. <https://doi.org/10.1109/IVS.2012.6232120>

Giebel, G, la Cour-Harbo, A & Bange, J 2011, Autonomous Aerial Sensors for Wind Power Meteorology. in *Proceedings of EWEA 2011*. <<http://www.ewea.org/index.php?id=885>>

Kazmi, W, Bisgaard, M, Garcia-Ruiz, F, Hansen, KD & la Cour-Harbo, A 2011, Adaptive Surveying and Early Treatment of Crops with a Team of Autonomous Vehicles. in *Proceedings of the 5th European Conference on Mobile Robots ECMR 2011*. pp. 253-258, European Conference on Mobile Robots, Örebro, Sweden, 07/09/2011. <http://aass.oru.se/Agora/ECMR2011/proceedings/papers/ECMR2011_0036.pdf>

Schøler, F, la Cour-Harbo, A & Bisgaard, M 2011, Configuration Space and Visibility Graph Generation from Geometric Workspaces for UAVs. in *AIAA Guidance, Navigation, and Control Conference 2011*. American Institute of Aeronautics and Astronautics, AIAA Guidance, Navigation, and Control Conference, Portland, Oregon, United States, 08/08/2011. <https://doi.org/10.2514/6.2011-6416>

A. Danapalasingam, K, la Cour-Harbo, A, Chowdhary, G & Bisgaard, M 2010, 'A Robust Stabilization using State Feedback with Feedforward', *American Control Conference (ACC)*, pp. 3913-3919. <<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5530655>>

Giebel, G, Paulsen, US, Reuder, J, la Cour-Harbo, A, Thomsen, C, Bange, J & Buschmann, M 2010, Autonomous Aerial Sensors For Wind Power Meteorology. in *Proceedings of EWEC 2010*. The European Wind Energy Conference & Exhibition, EWEC 2010, Warszawa, Poland, 20/04/2010. <<http://www.ewec2010.info/index.php?id=106>>

Bisgaard, M, la Cour-Harbo, A & A. Danapalasingam, K 2010, Nonlinear Feedforward Control for Wind Disturbance Rejection on Autonomous Helicopter. in *IEEE/RSJ International Conference on Intelligent Robots and Systems: Proceedings*. IEEE Press, I E E E International Conference on Intelligent Robots and Systems. Proceedings, pp. 1078 - 1083, IEEE/RSJ International Conference on Intelligent Robots and Systems, 18/10/2010.

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A. Danapalasingam, K, Leth, J-J, la Cour-Harbo, A & Bisgaard, M 2010, 'Robust Helicopter Stabilization in the Face of Wind Disturbance', *IEEE Conference on Decision and Control. Proceedings*, pp. 3832 - 3837.
<https://doi.org/10.1109/CDC.2010.5717418>

Schøler, F, La Cour-Harbo, A & Bisgaard, M 2009, Collision free path generation in 3D with turning and pitch radius constraints for aerial vehicles. in *Proceedings of AIAA Guidance, Navigation, and Control Conference and Exhibit*. American Institute of Aeronautics and Astronautics, American Institute of Aeronautics and Astronautics Meeting Papers on Disc , AIAA Guidance, Navigation, and Control Conference and Exhibit, Chicago, United States, 10/08/2009.

A. Danapalasingam, K, la Cour-Harbo, A & Bisgaard, M 2009, Disturbance Effects in Nonlinear Control Systems and Feedforward Control Strategy. in *Control and Automation, 2009. ICCA 2009. IEEE International Conference on* . IEEE (Institute of Electrical and Electronics Engineers), IEEE International Conference on Control and Automation, Christchurch, New Zealand, 09/12/2009. <https://doi.org/10.1109/ICCA.2009.5410495>

A. Danapalasingam, K, la Cour-Harbo, A & Bisgaard, M 2009, Feedforward Control of an Autonomous Helicopter using Trim Inputs. in *AIAA-2009-1833* . American Institute of Aeronautics and Astronautics, American Institute of Aeronautics and Astronautics. Meeting Papers on Disc, AIAA Infotech@Aerospace Conference and Exhibit & AIAA Unmanned...Unlimited Conference and Exhibit, Seattle, Washington, United States, 06/04/2009. <
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la Cour-Harbo, A & Bisgaard, M 2009, State-Control Trajectory Generation for Helicopter Slung Load System using Optimal Control. in *Proceedings of AIAA Guidance, Navigation, and Control 2009*. American Institute of Aeronautics and Astronautics, American Institute of Aeronautics and Astronautics Meeting Papers on Disc , AIAA Guidance, Navigation, and Control 2009, Chicago, United States, 10/08/2009.

Bisgaard, M, la Cour-Harbo, A & Bendtsen, JD 2009, Swing Damping for Helicopter Slung Load Systems using Delayed Feedback. in *Proceedings for AIAA Guidance Navigation and Control Conference*. American Institute of Aeronautics and Astronautics, AIAA Meeting Papers on Disc, AIAA Guidance, Navigation, and Control Conference, Chicago, United States, 10/08/2009.

Bisgaard, M, la Cour-Harbo, A & Bendtsen, JD 2008, Input Shaping for Helicopter Slung Load Swing Reduction. in *AIAA Guidance, Navigation and Control Conference and Exhibit (2008): Conference Proceeding Series*. American Institute of Aeronautics and Astronautics, AIAA Guidance, Navigation and Control Conference and Exhibit, Honolulu, United States, 18/08/2008.

Bisgaard, M, La Cour-Harbo, A, Johnson, EN & Bendtsen, JD 2007, Vision aided state estimator for helicopter slung load system. in *ACA' 2007 - 17th IFAC Symposium on Automatic Control in Aerospace - Proceedings*. Elsevier, IFAC Proceedings Volumes (IFAC-PapersOnline), no. PART 1, vol. 17, pp. 425-430, 17th IFAC Symposium on Automatic Control in Aerospace, ACA' 2007, Toulouse, France, 25/06/2007. <https://doi.org/10.3182/20070625-5-FR-2916.00073>

Bisgaard, M, la Cour-Harbo, A & Bendtsen, JD 2007, Full State Estimation for Helicopter Slung Load System. in *AIAA Guidance, Navigation and Control Conference and Exhibit*. American Institute of Aeronautics and Astronautics, AIAA Guidance, Navigation and Control Conference, Hilton Head, United States, 20/08/2007. <https://doi.org/10.2514/6.2007-6762>

Bisgaard, M, Bendtsen, JD, la Cour-Harbo, A & N. Johnson, E 2007, Vision Aided State Estimation for Helicopter Slung Load System. in *Seventeenth IFAC Symposium on Automatic Control in Aerospace (2007)*. vol. 17, Pergamon Press, IFAC-PapersOnLine, IFAC Symposium on Automatic Control in Aerospace, Toulouse, France, 25/06/2007.

la Cour-Harbo, A 2006, Fast Estimation of Optimal Sparseness of Music Signals. in *Proceedings of SPRRA 2006*. ACTA Press, The Third IASTED International Conference on Signal Processing, Pattern Recognition, and Applications, Innsbruck, Austria, 15/02/2006.

Bisgaard, M, Bendtsen, JD & La Cour-Harbo, A 2006, Modelling of Generic Slung Load System. in *Proceedings of the AIAA Modeling and Simulation Technologies Conference and Exhibit*. AIAA, AIAA Modeling and Simulation Technologies Conference and Exhibit, Keystone, United States, 21/08/2006.

Endelt, LØ & la Cour-Harbo, A 2005, Comparison of Methods for Sparse Representation of Musical Signals. in *IEEE International Conference on Acoustics, Speech, and Signal Processing, 2005. Proceedings. (ICASSP '05). Vol. 3*. ICASSP 2005, Philadelphia, United States, 18/03/2005.

Endelt, LØ & la Cour-Harbo, A 2005, Energy distribution for Coefficients of Redundant Signal Representations of Music. in *Proceedings of SPARS05*. SPARS05 Workshop, Rennes, France, 16/11/2005.

la Cour-Harbo, A 2004, Application of the minimum fuel neural network to music signals. in *Proceedings of IEEE International Conference on Acoustics, Speech and Signal Processing*. vol. 4, pp. 301-304, IEEE International Conference on Acoustics, Speech, and Signal Processing, Montreal, Canada, 17/05/2004.

Endelt, LØ & la Cour-Harbo, A 2004, Wavelets for Sparse Representation of Music. in *Proceedings of WEDELMUSIC 2004*. pp. 10-14, WEDELMUSIC 2004, Barcelona, Spain, 13/09/2004.

Stoustrup, J, Niemann, H & Harbo, AL-C 2003, Optimal Threshold Functions for Fault Detection and Isolation. in *ACC03, Denver, Colorado, USA*. pp. 1782-1787, Optimal Threshold Functions for Fault Detection and Isolation, 19/05/2010.

Harbo, AL-C 2003, The Symmetric Rudin-Shapiro Transform: An Easy, Stable, And Fast Construction Of Multiple Orthogonal Spread Spectrum Signals. in *Proceedings of the IEEE ICASSP 2003, Hong Kong, April 6-10*. IEEE (Institute of Electrical and Electronics Engineers), pp. 397-400, The Symmetric Rudin-Shapiro Transform, 19/05/2010.

Harbo, AL-C & Stoustrup, J 2002, Using Spread Spectrum Transform for Fast and Robust Simultaneous Measurement in Active Sensors with Multiple Emitters. in *Ikke angivet: Proceedings of the IEEE IECON '02, Sevilla, November 5 - 8*. IEEE (Institute of Electrical and Electronics Engineers), pp. 2669-2674, Using Spread Spectrum Transform for Fast and Robust Simultaneous Measurement in Active Sensors with Multiple Emitters, 19/05/2010.
<https://doi.org/10.1109/IECON.2002.1182815>

Harbo, AL-C, Stoustrup, J & Villemoes, LF 2000, A Fast and Robust Method for Measuring Optical Channel Gain. in *IEEE/LEOS Summer Topical Meetings. July 24-26 2000*. A Fast and Robust Method for Measuring Optical Channel Gain, 19/05/2010. <https://doi.org/10.1109/LEOSST.2000.869695>

Harbo, AL-C & Stoustrup, J 2000, Infra Red 3D Computer Mouse. in *28th Symposium of Visualization Society of Japan. July 17-19 2000*. Infra Red 3D Computer Mouse, 19/05/2010.

Patents

Method for determining the channel gain between emitters and receivers

la Cour-Harbo, A. (Inventor) & Stoustrup, J. (Inventor), 28 Sept 2004, Patent No. US6799141B1, 6 Aug 2000

Signal source tracking method and system

la Cour-Harbo, A. (Inventor), Stoustrup, J. (Inventor), Green, H. D. (Inventor) & Bruijenin, D. (Inventor), 17 Nov 2003, Patent No. AU2003255976A1

A method for determining the channel gain between emitters and receivers

la Cour-Harbo, A. (Inventor) & Stoustrup, J. (Inventor), 21 Dec 2000, IPC No. PCT/DK2000/000310, Patent No. WO2000077945, 8 Jun 2000

Projects

(First name is project coordinator)

OPAL: Offshore Delivery of Packages

Böhmer, H. (Project Manager), la Cour-Harbo, A. (Project Participant), Holm Nielsen, L. (Project Participant), Vesth, T. (Project Participant), Pedersen, K. (Project Participant), Kristiansen, N.-P. (Project Participant) & Sørensen, S. (Project Applicant)

Syddansk vækstforum

01/10/2018 → 30/06/2021

SafeEye: Automated emergency lander for small unmanned aircraft

la Cour-Harbo, A. (PI), Andersen, J. (Project Participant) & Larsen, A. (Project Participant)

Innovation Fund Denmark

01/10/2017 → 01/06/2021

UAS-ability: Forskningsinfrastruktur til udvikling af droner og deres anvendelse i luftbåren dataindsamling

Hallenborg, K. (Project Coordinator), la Cour-Harbo, A. (PI), Normand, S. (PI) & Beach, B. (PI)

Styrelsen for Forskning og Innovation

01/10/2016 → 31/12/2021

PREDICT: Time-predictable Distributed Control Systems

Schoeberl, M. (PI), la Cour-Harbo, A. (Project Participant), Bak, T. (Project Participant) & Sparsø, J. (PI)

Independent Research Fund Denmark | Technology and Production sciences

01/10/2016 → 31/12/2020

BVLOS FastTrack

la Cour-Harbo, A. (Project Participant), Schiøler, H. (Project Participant) & Beach, B. (PI)

01/03/2016 → 01/03/2017

DroneImpact

la Cour-Harbo, A. (PI), Hansen, K. D. (Project Participant), Knudsen, P. T. (Project Participant), Jensen, S. (Project Participant) & Dejgaard Meyer, J. (Project Participant)

01/09/2015 → 01/04/2017

AutoDescent: Automated precision drone descent on moving targets

Nielsen, E. (Project Coordinator), la Cour-Harbo, A. (Project Participant), Jakobsen, J. (Project Participant) & Totu, L. C. (PI)

Innovation Fund Denmark

01/01/2015 → 30/06/2018

AutoDrop: Development of a novel autonomous vehicle significantly reducing costs in subsea sensors deployment and recovery

Tjøm, K. (Project Coordinator) & la Cour-Harbo, A. (Project Participant)

FP7

01/04/2010 → 01/11/2012

ASETA : Adaptive Surveying and Early treatment of crops with a Team of Autonomous vehicles

la Cour-Harbo, A. (Project Coordinator), Bak, T. (Project Participant), Bendtsen, J. D. (Project Participant), Bisgaard, M. (Project Participant), Wulfson, D. (Project Participant) & Griepentrog, H. W. (Project Participant)

Det Strategiske Forskningsråd - Nabiit

01/01/2010 → 01/04/2014

Autonomous Aerial Sensors for Wind Power Meteorology

Giebel, G. (Project Coordinator) & la Cour-Harbo, A. (Project Participant)

Energinet SOV

01/08/2009 → 01/01/2012

EVAHC : Emergency Vehicle Aided by Helicopter

la Cour-Harbo, A. (PI) & Schøler, F. (PI)
Aalborg University
15/09/2008 → 01/01/2011

WAVES: Wavelets in Audio/Visual Electronic Systems

Stoustrup, J. (PI), la Cour-Harbo, A. (Project Participant), Andersen, P. (Project Participant), Pedersen, T. S. (Project Participant), Odgaard, P. F. (Project Participant), Vidal Sanchez, E. (Project Participant), Bendtsen, J. D. (Project Participant), Christensen, H. V. (Project Participant), Endelt, L. Ø. (Project Participant), Borup, L. (Project Participant), Nielsen, M. (Project Participant), Hansen, P. C. (Project Participant), Christensen, O. (Project Participant), Søndergaard, P. L. (Project Participant), Skjøelstrup, C. E. (Project Participant), Verbraak, B. (Project Participant), Fløe Mikkelsen, H. (Project Participant), Nissen, P. A. (Project Participant), Madsen, O. (Project Participant) & Thorsen, P. (Project Participant)
Danish Technical Research Foundation
30/06/2007 → 01/09/2009

Automatic Classification and Recognition of Music

Endelt, L. Ø. (Contact), la Cour-Harbo, A. (Other) & Stoustrup, J. (Other)
Aalborg University
31/07/2006 → 01/01/2009

OPTOCTRL: Nonlinear and Robust Control of Electro-mechanical Systems with Optical Sensors

Stoustrup, J. (PI), Andersen, P. (Project Participant), Pedersen, T. S. (Project Participant), la Cour-Harbo, A. (Project Participant), Vidal Sanchez, E. (Project Participant), Jensen, A. (Project Participant), Fløe Mikkelsen, H. (Project Participant) & Nissen, P. (Project Participant)
FTP
01/01/2005 → 01/10/2008

Modelling, Estimation and Control for Helicopter Slung Load System

la Cour-Harbo, A. (PI), Bisgaard, M. (Project Participant) & Bendtsen, J. D. (Project Participant)
Aalborg University
01/09/2004 → 18/01/2008

Teacher of the Year

Teacher of the Year 2015

la Cour-Harbo, A. (Recipient), 1 Sept 2015

Teacher of the Year 2006

la Cour-Harbo, A. (Recipient), 2006

Boards, councils, reviews, conference organizing (since 2013)

PhD Assessment Committee (Event)

la Cour-Harbo, A. (Member) & Storvold, R. (Member)
20 Mar 2020

PhD Assessment Committee (Event)

la Cour-Harbo, A. (Chairperson), Berckmans, D. (Member) & Simonsen, M. (Member)
6 Dec 2019

JARUS - Joint Authority for Rulemaking of Unmanned Systems (External organisation)

la Cour-Harbo, A. (Chairperson)
1 Jun 2019 → ...

Transport 2019

la Cour-Harbo, A. (Participant), Jensen, S. (Participant), Rasmussen, F. H. (Participant) & Pedersen, J. N. (Participant)
21 Mar 2019 → 23 Mar 2019

TUS Nordic Exhibition

la Cour-Harbo, A. (Participant), Jensen, S. (Participant), Hansen, K. D. (Participant) & Dejgaard Meyer, J. (Participant)
10 Oct 2017 → 12 Oct 2017

Advisory Board: Cost advantages and scalable drone alarm and protection system for urban context (Event)

la Cour-Harbo, A. (Member)
1 Oct 2017 → 1 Oct 2021

Department of Electronic Systems (Organisational unit)

la Cour-Harbo, A. (Chairperson)
1 Jan 2017 → ...

2016 European Control Conference, ECC 2016

la Cour-Harbo, A. (Organizer)
28 Jun 2016 → 1 Jul 2016

Nordic UAS Event

la Cour-Harbo, A. (Participant), Jensen, S. (Participant) & Majumder, S. (Participant)
1 Jun 2016 → 3 Jun 2016

PhD Assessment Committee (External organisation)

la Cour-Harbo, A. (Member)
3 Feb 2016

PhD assessment committee (External organisation)

la Cour-Harbo, A. (Member)
18 Sept 2015

ISARRA 2014

la Cour-Harbo, A. (Organizer)
26 May 2014 → 28 May 2014

UAS Advisory Board, UAS Denmark (External organisation)

la Cour-Harbo, A. (Member)
2013 → 2018

UAS Forum, Danish Transportation Authority (External organisation)

la Cour-Harbo, A. (Member)
2013 → 2016

AMAP expert group on UAS (External organisation)

la Cour-Harbo, A. (Member)
2009 → 2014

COST Action on Atmospheric Research (External organisation)

la Cour-Harbo, A. (Member)
2008 → 2013

Press clippings (since 2013)

Helikopterdrone skal flyve reservedele ud til havmøller

la Cour-Harbo, A.

23/02/2024

1 item of Media coverage

Helicopter drone to fly spare parts out to offshore wind turbines

la Cour-Harbo, A.

12/12/2023

1 item of Media coverage

Helikopter-drone skal flyve reservedele ud til havmøller

la Cour-Harbo, A.

06/12/2023

1 item of Media coverage

Verdens første testleverance understreger droners potentiale

la Cour-Harbo, A.

06/09/2023

1 item of Media coverage

Verdens første testleverance understreger droners store potentiale i vind-industrien

la Cour-Harbo, A.

29/08/2023 → 30/08/2023

6 items of Media coverage

Drone skal hjælpe Jeppe med at sprøjte mindre på markerne

la Cour-Harbo, A.

11/07/2023

4 items of Media coverage

Falck: "Nye stramninger vil bremse brug af droner"

la Cour-Harbo, A.

29/06/2020 → 30/06/2020

2 items of Media coverage

Falck om ny stramning i drone-lov-givning: "Med den her stramning får vi svære-re-re ved at udvikle de bedste løsninger til borgerne især i yder-områderne"

la Cour-Harbo, A.

29/06/2020

1 item of Media coverage

Droner skal levere reservedele direkte til vindmøllen

la Cour-Harbo, A.

28/12/2019 → 13/02/2020

2 items of Media coverage

Debat: Samarbejde skal få grøn innovation i gang

la Cour-Harbo, A.

11/02/2020

2 items of Media coverage

Siemens, Ørsted og Esvagt sammen i EU-droneprojekt

la Cour-Harbo, A.

29/01/2020

1 item of Media coverage

Droner skal flyve reservedele til havmøller

la Cour-Harbo, A.

17/01/2020

1 item of Media coverage

Reservedele til vindmøller skal leveres med drone

la Cour-Harbo, A.

17/01/2020

1 item of Media coverage

Transport til havmøller: - Vi udfordrer alt det, droner kan i dag

la Cour-Harbo, A.

15/01/2020 → 15/01/2020

4 items of Media coverage

Droner lammede Saudi-Arabien, men hvem stod bag angrebet?

la Cour-Harbo, A.

17/09/2019

2 items of Media coverage

Førende droneresker: Det bliver svært at flyve med læger

La Cour-Harbo, A.

02/02/2019

1 item of Media coverage

Gatwick er flyvende igen

La Cour-Harbo, A.

22/12/2018

1 item of Media coverage

Drone-ekspert: Forstyrrelser med droner skal tages alvorligt

La Cour-Harbo, A.

22/12/2018

2 items of Media coverage

Gatwick er flyvende igen

La Cour-Harbo, A.

22/12/2018

1 item of Media coverage

Hæder - Navnenyt

La Cour-Harbo, A.

14/12/2017

3 items of Media coverage

Video: Kæmpedronerne kommer

La Cour-Harbo, A.

08/12/2017

12 items of Media coverage

Digital airbag: Ny teknik skal gøre droner mere sikre

La Cour-Harbo, A.

12/11/2017

4 items of Media coverage

Truslen fra oven

La Cour-Harbo, A.

31/10/2017

1 item of Media coverage

Fængselsbetjente efterlyser drone-værn i nyt superfængsel

La Cour-Harbo, A.

25/09/2017

1 item of Media coverage

Radioavisen kl. 17

la Cour-Harbo, A.

21/06/2017

1 item of Media coverage

Sandsynlighedsberegning af risiko for dødsfald skal forenkle tilladelser til droneyfving

La Cour-Harbo, A.

25/05/2017

1 item of Media coverage

Drone skal fragte mennesker i Dubai til sommer

La Cour-Harbo, A.

12/04/2017

1 item of Media coverage

Crashing Drones Into Test Dummies for Safety

la Cour-Harbo, A.

09/03/2017

1 item of Media coverage

Aalborgs dronereskere køber tre ting

la Cour-Harbo, A.

26/09/2016

3 items of Media coverage

P4 Nordjylland - Morgendagens vindere

la Cour-Harbo, A.

09/09/2016

1 item of Media coverage

DR2 Dagen

la Cour-Harbo, A.

31/08/2016

1 item of Media coverage

Forskere forfiner drone-sikkerhed

la Cour-Harbo, A.

03/06/2016

5 items of Media coverage

Ekspert om små droner: De er ikke farligere end så meget andet legetøj

la Cour-Harbo, A.

05/05/2016

3 items of Media coverage

Danske forskere skyder flæskesteg med dronekatapult - for din sikkerheds skyld

la Cour-Harbo, A.

18/04/2016

1 item of Media coverage

Studerende på besøg hos Airbus

la Cour-Harbo, A.

12/04/2016

8 items of Media coverage

Se, hvad der kan ske, hvis du bliver ramt af en drone

la Cour-Harbo, A.

08/04/2016

2 items of Media coverage

VIDEO: Se drone dolke flæskesteg

la Cour-Harbo, A.

07/04/2016

4 items of Media coverage

Ny dronelov er kun et lille skridt på vejen

la Cour-Harbo, A.

15/03/2016

2 items of Media coverage

Global fascination driver udviklingen af droner frem

la Cour-Harbo, A.

11/03/2016

3 items of Media coverage

Aalborg Universitet skruer op for drone-forskningen

la Cour-Harbo, A.

23/02/2016

1 item of Media coverage

Droner bruges af kriminelle

la Cour-Harbo, A.

19/02/2016

6 items of Media coverage

Nye regler åbner for 'blinde' droneflyvninger

la Cour-Harbo, A.

15/01/2016

2 items of Media coverage

Nytårsønske fra forskere: Kæmpedrone til krævende projekter

la Cour-Harbo, A.

04/01/2016

2 items of Media coverage

Nytårsønske fra forskere: Kæmpedrone til krævende projekter

la Cour-Harbo, A.

22/12/2015

4 items of Media coverage

Regeringen vil ændre droneloven

la Cour-Harbo, A.

16/12/2015

1 item of Media coverage

Drone-forskning samles på AAU

la Cour-Harbo, A.

24/11/2015

3 items of Media coverage

Nyt firma baseret på droneflyvning

la Cour-Harbo, A.

23/11/2015

1 item of Media coverage

Skyggesider og rædselsscenerier ved droneteknologien

la Cour-Harbo, A.

04/11/2015

1 item of Media coverage

When will drones be ready for offshore work?

la Cour-Harbo, A.

04/11/2015

1 item of Media coverage

Løft til drone-udvikling i Aalborg

la Cour-Harbo, A.

26/10/2015

3 items of Media coverage

Dansk firma er klar med nummerplade til droner

la Cour-Harbo, A.

22/05/2015

1 item of Media coverage

Droner i landbruget

la Cour-Harbo, A.

21/05/2015

1 item of Media coverage

Hvornår er en drone " harmløs"?

la Cour-Harbo, A.

07/05/2015

1 item of Media coverage

– La små droner fly fritt

la Cour-Harbo, A.

20/04/2015

1 item of Media coverage

I Norge foreslås drone-grensen til 2,5 kg: I Danmark foreslås grense på 250 gram

la Cour-Harbo, A.

16/04/2015

1 item of Media coverage

Ekspert vil lette reglerne for dronetryvning

la Cour-Harbo, A.

16/04/2015

8 items of Media coverage

Forsker: 250 gram bør være grænsen for fri droneyeg

la Cour-Harbo, A.

15/04/2015

1 item of Media coverage

Dansk forsker anbefaler bagatelgrænse for droner

la Cour-Harbo, A.

15/04/2015

1 item of Media coverage

Forsker: Regler for droneyvning skal ændres

la Cour-Harbo, A.

15/04/2015

1 item of Media coverage

Regler for privat droneyvning skal ændres

la Cour-Harbo, A.

15/04/2015

2 items of Media coverage

Dronerne er landet

la Cour-Harbo, A.

10/04/2015

5 items of Media coverage

»Vi beviste, at vi kunne automatisere arbejde mellem droner og robotter«

la Cour-Harbo, A.

03/04/2015

3 items of Media coverage

"Vi beviste, at vi kunne automatisere arbejde mellem droner og robotter"

la Cour-Harbo, A.

03/04/2015

1 Media contribution

Dronerne er landet

la Cour-Harbo, A.

01/04/2015

1 item of Media coverage

Iran testflyver kopi af kapret amerikansk drone

la Cour-Harbo, A.

17/11/2014

1 item of Media coverage

Droner bliver lige så almindelige som biler

la Cour-Harbo, A.

12/07/2014

3 items of Media coverage

Københavns Brandvæsen tager droner i brug

la Cour-Harbo, A.

08/03/2014

1 item of Media coverage

Droner kan andet end at bombe

la Cour-Harbo, A.

25/02/2014

1 item of Media coverage

Danmark går til dronerne

la Cour-Harbo, A.

24/02/2014

1 item of Media coverage

Des drones pour l'agriculture

Hansen, K. D. & la Cour-Harbo, A.

19/12/2013

1 item of Media coverage

Udbredelsen af droner stærkt stigende

la Cour-Harbo, A.

13/12/2013

1 item of Media coverage

Førerløse fly skal levere julepakker

la Cour-Harbo, A.

02/12/2013

2 items of Media coverage

Drone drøner rundt over Økologi-Kongres 2013

la Cour-Harbo, A.

29/11/2013

1 item of Media coverage

Das Beste aus Aller Welt

la Cour-Harbo, A.

02/09/2013

1 item of Media coverage

Un drone herbicide pour aider les agriculteurs

la Cour-Harbo, A.

01/09/2013

1 item of Media coverage

Helikopter finder tidsler

la Cour-Harbo, A.

23/08/2013

1 item of Media coverage

Precision herbicide drones launch strikes on weeds

la Cour-Harbo, A.

04/07/2013

2 items of Media coverage

Helikopter finder tidsler i roer

la Cour-Harbo, A.

12/06/2013

1 item of Media coverage

Ekspert: Derfor koster det milliarder at sikre droner til civilt luftrum

la Cour-Harbo, A.

04/06/2013

2 items of Media coverage

Samarbejde om ubemandede fly i luften

la Cour-Harbo, A.

05/04/2013

1 item of Media coverage

Masser af job i et testcenter for føreløse fly

la Cour-Harbo, A.

24/02/2013

1 item of Media coverage

The Arctic: Drones find peacetime role in the frozen north

la Cour-Harbo, A.

28/01/2013

1 Media contribution

Robots will soon replace the tractor

Hansen, K. D. & la Cour-Harbo, A.

27/01/2013

1 item of Media coverage

Traktorens afløser er en robot

Hansen, K. D. & la Cour-Harbo, A.

22/01/2013

2 items of Media coverage